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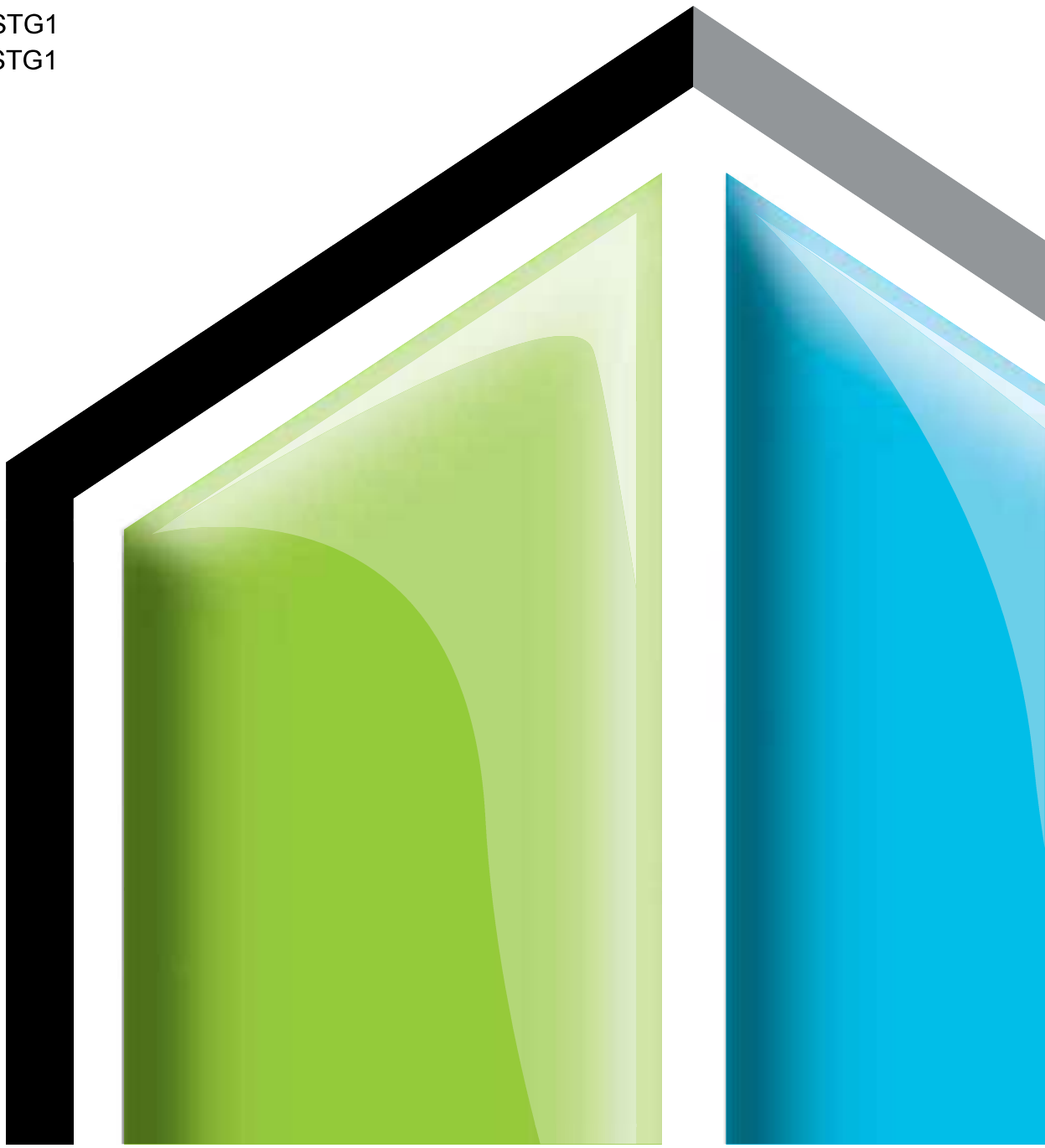
Outdoor Model

UMC18CN23STG1
UMC24CN23STG1
UMC36CN23STG1
UMC48CN23STG1



SAFETY SUMMARY

1. This air conditioner uses new refrigerant HFO (R454B). R454B refrigerant is flammable.
2. Since the max. working pressure is less than 602psig (4.15MPa), some of the piping and installation and service tools are special.
3. This air conditioner uses power supply：208/230V ~, 60Hz.

Please read these SAFETY PRECAUTIONS carefully to ensure correct installation.

- Be sure to use a dedicated power circuit, and do not put other loads on the power supply.
- Be sure to read these SAFETY PRECAUTIONS carefully before installation.
- Be sure to comply with SAFETY PRECAUTIONS of installation manual, because it contains important safety issues. Definitions for identifying hazard levels are provide below with their respective safety symbols.

⚠ WARNING: Hazards or unsafe practices which COULD result in severe personal injury or death.
⚠ CAUTION: Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.

- Please carefully file indoor and outdoor unit manual away for future reference.

⚠WARNING

- Installation should be performed by a qualified personnel.
  Improper installation may cause water leakage, electrical shock or fire.
- Install the air conditioner on a solid base that can support the unit weight.
  An inadequate base or incomplete installation may cause injury if the unit falls off the base.
- Use the specified type of wire for electrical connections safely between the indoor and outdoor units.
  And firmly clamp the interconnecting wires so their terminals receive no external stresses.
- For wiring, use a cable long enough to cover the entire distance with no connection.
  And do not connect multiple devices to the same AC power supply.
  Otherwise, it may be due to bad contact, poor insulation, exceed the allowable current and cause a fire or electric shock.
- After all installation is completed, check to make sure that no refrigerant is leaking out.
  If the refrigerant gas leakage to the interior, and the heater, stove flame touching it, will generate harmful substances.
- Perform the installation securely referring to the installation manual.
  Incomplete installation could cause a personal injury due to fire, electric shock, the unit falling or leakage of water.
- In accordance with the installation instructions for electrical work, please be sure to use a dedicated line.
- If the power supply circuit capacity or electrical work is not in place, may cause a fire or electric shock.
- Attach the electrical cover to the indoor unit and the service panel to the outdoor unit securely.
- If the electrical covers on the indoor unit or the service panel of the outdoor unit are not attached securely, it could result in a fire or an electric shock due to dust water, etc.
- Please be sure to cut off the main power supply before the installation of indoor electronic PCB or wiring. Otherwise, it will cause electric shock.
- The device should be in accordance with the state provisions for installation wiring.
- The outdoor machine installation location should pay attention to the protection, avoid people or other small animals contact with electrical components, please keep the outdoor unit of the surrounding environment clean and tidy.
- When installing or relocating the unit, make sure that no substance other than the specified refrigerant (R454B) enters the refrigerant circuit.
  Any presence of foreign substance such as air can cause abnormal pressure rise or an explosion.
- Assure that PARTIAL UNITS shall only be connected to an appliance suitable for the same refrigerant.

⚠ CAUTION

- Perform grounding
  Does not connect the earth wire to a gas pipe, water pipe, lightning rod or telephone earth wire. Defective grounding could cause an electric shock.
- Do not install the unit in a place where an inflammable gas leaks.
  If gas leaks and accumulates in the area surrounding the unit, it could cause an explosion.
- Fasten a flare nut with a torque wrench as specified in this manual.
  When fastened too tight, a flare nut may break after a long period and cause a leakage of refrigerant.
- Install an earth leakage breaker depending on the installation place(where it is humid).
  If an earth leakage breaker is not installed, it could cause an electric shock.
- Perform the drainage/piping work securely according to the installation manual.
- If there is a defect in the drainage/piping work, water could drop from the unit and household goods could be wet and damaged.
- These units are PARTIAL UNIT AIR CONDITIONERs, complying with PARTIAL UNIT requirements of this standard, and must only be connected to other units that have been confirmed as complying to corresponding PARTIAL UNIT requirements of this standard, UL 60335-2-40/CSA C22.2 No. 60335-2-40, or UL 1995/CSA C22.2 No 236.
- Assure the maximum operating pressure is considered when connecting to any indoor units.
- According to ASHRAE 15, these units can stop compressor working in 10s when receiving the signal from the Refrigerant detection systems in indoor units.
  Please verify and assure the validity during installation.

Safety instructions

- Do not let air enter the refrigeration system or discharge refrigerant when moving the air conditioner.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the appliance is fixed wiring, the appliance must be fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under over voltage category III conditions, and these means must be incorporated in the fixed wiring in accordance with the wiring rules.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- Servicing shall only be performed as recommended by the equipment manufacturer.
- The method of connection of the appliance to the electrical supply and interconnection of separate components is detailed in below part. The wiring diagram with a clear indication of the connections and wiring to external control devices and supply cord is detailed in below part.
- In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- It is necessary to allow disconnection of the appliance from the supply after installation. The disconnection may be achieved by incorporating a switch in the fixed wiring in accordance with the wiring rules. During service and when replacing parts, be sure to disconnect the appliance from its power source. If the disconnection is not foreseen, a disconnection with a locking system in the isolated position shall be provided.
- The information of dimensions of the space necessary for correct installation of the appliance including the minimum permissible distances to adjacent structures is detailed in below part.
- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
- Instructions on addition charging of refrigerants are detailed in below part.

• The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner you have selected.
• Letter K in the manual stands for kBtu/h, for example 18K,27K, which means model size, not real capacity.

Safety Precautions

Precautions for using R454B refrigerant

The basic installation work procedures are the same as the conventional refrigerant (R22 or R410A). However, pay attention to the following points:

⚠ WARNING

1.Transport of equipment containing flammable refrigerants.

Attention is drawn to the fact that additional transportation regulations may exist with respect to equipment containing flammable gas. The maximum number of pieces of equipment or the configuration of the equipment, permitted to be transported together will be determined by the applicable transport regulations.

2. Marking of equipment using signs

Signs for similar appliances (containing flammable refrigerants) used in a work area generally are addressed by local regulations and give the minimum requirements for the provision of safety and/or health signs for a work location. All required signs are to be maintained and employers should ensure that employees receive suitable and sufficient instruction and training on the meaning of appropriate safety signs and the actions that need to be taken in connection with these signs. The effectiveness of signs should not be diminished by too many signs being placed together. Any pictograms used should be as simple as possible and contain only essential details.

3.Disposal of equipment using flammable refrigerants

Compliance with national regulations

4.Storage of equipment/appliances

The storage of equipment should be in accordance with the manufacturer's instructions.

5.Storage of packed (unsold) equipment

- Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge.
- The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.
- The storage temperature should not exceed 60℃, as the refrigerant leakage may occur above 60℃, which can cause danger.

6.Information on servicing

6-1 Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, the following precautions should be complied with prior to conducting work on the system.

6-2 Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of flammable gas or vapour being present while the work is being performed.

6-3 General work area

- All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.
- The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

6-4 Checking for presence of refrigerant

- The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres.
- Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

6-5 Presence of fire extinguisher

- If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand.
- Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

6-6 No ignition sources

- No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion.
- All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space.
- Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.

6-7 Ventilated area

- Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work.
- A degree of ventilation shall continue during the period that the work is carried out.
- The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

6-8 Checks to the refrigeration equipment

- Where electrical components are being changed, they shall be fit for the purpose and to the correct specification.
- At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance.

Safety Precautions

⚠ WARNING

- The following checks shall be applied to installations using flammable refrigerants:
  – The charge amount is in accordance with the room size within which the refrigerant containing parts are installed;
  – The ventilation machinery and outlets are operating adequately and are not obstructed;
  – If an indirect refrigerating circuit is used, the secondary circuit shall be checked for the leak of refrigerant;
  – Marking of the equipment should be visible and legible. Illegal markings and signs hall be corrected;
  – Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

6-9 **Checks of electrical devices**

- Repair and maintenance of electrical components shall include initial safety checks and component inspection procedures.
- If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with.
- If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used.
- This shall be reported to the owner of the equipment so all parties are advised.
- Initial safety checks shall include:
- That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
- That there no live electrical components and wiring are exposed while charging, recovering or purging the system;
- That there is continuity of earth bonding.

7. **Repairs of sealed components**
Sealed electrical components shall be replaced.

8. **Repairs of intrinsically safe components**
Intrinsically safe components must be replaced.

9. **Cabling**

- Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects.
- The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

10. **Detection of flammable refrigerants**

- Under no circumstances shall potential sources of ignition be used in the searching or detection of refrigerant leaks.
- A halide torch (or any other detector using a naked flame) shall not be used.

11. **Leak detection methods**

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants:

- Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.)
- Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.
- Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (maximum 25%) is confirmed.
- Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.
- If a leak is suspected, all naked flames shall be removed/ extinguished.
- If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak.
- Removal of refrigerant shall be according to the manual.

Safety Precautions

⚠ WARNING

12. **Removal and evacuation**

- When breaking into the refrigerant circuit to make repairs – or for any other purpose –conventional procedures shall be used.
- However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration.
- The following procedure shall be adhered to:
  - Safely remove refrigerant following local and national regulations;
  - Evacuate;
  - Purge the circuit with inert gas (optional for A2L);
  - Evacuate (optional for A2L);
  - Continuously flush or purge with inert gas when using flame to open circuit;
  - Open the circuit.
- The refrigerant charge shall be recovered into the correct recovery cylinders.
- The system shall be “flushed” with OFN to render the unit safe.
- This process may need to be repeated for several times.
- Compressed air or oxygen shall not be used for this task.
- Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum.
- This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable working.
- This operation is absolutely vital if brazing operations on the pipe-work are to take place.
- Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

13. **Charging procedures**

- In addition to conventional charging procedures, the following requirements shall be followed:
  - Ensure that contamination of different refrigerants does not occur when using charging equipment.
  - Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
  - Cylinders shall be kept upright.
  - Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.
  - Label the system when charging is complete (if not already).
  - Extreme care shall be taken not to overfill the refrigeration system.
  - Prior to recharging the system pressure shall be tested with OFN.
- The system shall be leak tested on completion of charging but prior to commissioning.
- A follow up leak test shall be carried out prior to leaving the site.

14. **Decommissioning**

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail.

It is recommended that all refrigerants are recovered safely.

Prior to the task, an oil and refrigerant sample shall be taken in case that an analysis is required prior to the re-use of recovered refrigerant. It is essential that electrical power is available before the task.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that:
- Mechanical handling equipment is available, if required, for handling refrigerant cylinders;
- All personal protective equipment is available and being used correctly;
- The recovery process is supervised at all times by a competent person;
- Recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery.

g) Start the recovery machine and operate in accordance with manufacturer's instructions.

h) Do not overfill cylinders. (No more than 80 % volume liquid charge).

Safety Precautions

⚠ WARNING

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.
j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

15. **Labelling**

Equipment shall be labelled stating that it has been de-commissioned and empty of refrigerant.
The label shall be dated and signed.
For appliances containing FLAMMABLE REFRIGERANTS, ensure that there are labels on the equipment stating the equipment contains FLAMMABLE REFRIGERANTS.

16. **Recovery**

- When removing refrigerant from a system, either for servicing or decommissioning, it is recommended that all refrigerant is removed safely.
- When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed.
- Ensure that the correct number of cylinders for holding the total system charge is available.
- All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).
- Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order.
- Empty recovery cylinders are evacuated and, if possible, cooled before recovery.

17. **Competence of service personnel**

Information and training
The training should include the substance of the following:
Information about the explosion potential of flammable refrigerants to show that flammables may be dangerous when handled without care.
Information about potential ignition sources, especially those that are not obvious, such as lighters, light switches, vacuum cleaners, electric heaters.
Information about the concept of sealed components and sealed enclosures according to UL 60335.
Information about the correct working procedures:

a) Commissioning
- Ensure that the floor area is sufficient for the refrigerant charge or that the ventilation duct is assembled in a correct manner.
- Connect the pipes and carry out a leak test before charging with refrigerant.
- Check safety equipment before putting into service.

b) Maintenance
- Portable equipment shall be repaired outside on in a workshop specially equipped for servicing units with flammable refrigerants.
- Ensure sufficient ventilation at the repair place.
- Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
- Discharge capacitors in a way that won't cause any spark. The standard procedure to short circuit the capacitor terminals usually creates sparks.
- Reassemble sealed enclosures accurately If seals are worn, replace them.
- Check safety equipment before putting into service.

c) Repair
- Portable equipment shall be repaired outside or in a workshop specially equipped for servicing units with flammable refrigerants.
- Ensure sufficient ventilation at the repair place.
- Be aware that of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
- Discharge capacitors in a way that won't cause any spark.
- When brazing is required the following procedures shall be carried out in the right order.

- Remove the refrigerant. If the refrigerant is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.

Safety Precautions

⚠ WARNING

- Evacuate the refrigerant circuit.
- Purge the refrigerant circuit with nitrogen for 5 min.
- Evacuate again (not required for A2L refrigerants)
- Remove parts to be replaced by cutting, not by flame.
- Purge the braze point with nitrogen during the brazing procedure.
- Carry out a leak test before charging with refrigerant.

● Reassemble sealed enclosures accurately. If seals are worn, replace them.
● Check safety equipment before putting into service.

d) Decommissioning

• If the safety is affected when the equipment is putted out of service. the refrigerant charge shall be removed before decommissioning.
• Ensure sufficient ventilation at the equipment location.
• Be aware that malfunction of the equipment may be caused by refrigerant loss and a leak is possible.
• Discharge capacitors in a way that won't cause any spark.
• Remove the If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet .Take special care that drained refrigerant will not float back into the building.

e) Disposal

• Ensure sufficient ventilation at the working place.
• Remove the refrigerant. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.
• Evacuate the refrigerant circuit
• Purge the refrigerant circuit with nitrogen for 5 min.
• Evacuate again.
• Cut out the compressor and drain the oil.

•The pipe-work shall be complianced with national gas regulations.
•The maximum refrigerant charge amount is X kg (X see below).
•Where addition of charge is required to complete installation, according to the content in "Refrigerant piping" . After charged, finish the label (in accessory bag) and paste it near the nameplate.
•When moving or relocating the air conditioner, consult experienced service technicians for disconnection and reinstallation of the unit.
•Do not place any other electrical products or household belongings under indoor unit or outdoor unit.
•Condensation dripping from the unit might get them wet, and may cause damage or malfunction of your property.
•Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
•The appliance shall be stored in a room without continuously operating ignition sources （for example: open flames, an operating gas appliance or an operating electric heater).
•Do not pierce or burn.
•Be aware that refrigerants may not contain an odour.
•To keep ventilation openings clear of obstruction.
•The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
•The appliance shall be stored in a room without continuously operating open flames (for example an operating as appliance) and ignition sources (for example an operating electric heater).
•Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.
•Servicing shall only be performed as recommended by the equipment manufacturer.
•Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
•The appliance shall be installed and stored so as to prevent mechanical damage from occurring.
•Mechanical connectors used indoors shall comply with ISO 14903. When mechanical connectors are reused indoors, sealing parts shall be renewed. When flared joints are reused indoors, the flare part shall be re-fabricated.
•The installation of pipe-work shall be kept to a minimum.
•Mechanical connections shall be accessible for maintenance purposes.

Safety Precautions

⚠ WARNING

- That pipe-work including piping material, pipe routing, and installation shall include protection from physical damage in operation and service, and be in compliance with national and local codes and standards, such as ASHRAE 15, ASHRAE 15.2, IAPMO Uniform Mechanical Code, ICC International Mechanical Code, or CSA B52. All field joints shall be accessible for inspection prior to being covered or enclosed;
- That after completion of field piping for split systems, the field pipework shall be pressure tested with an inert gas and then vacuum tested prior to refrigerant charging.
- Field-made refrigerant joints indoors shall be tightness tested. The test method shall have a sensitivity of 5 grams per year of refrigerant or better under a pressure of at least 0,25 times the maximum allowable pressure. No leak shall be detected. The joints must be welded or brazed.

Label in accessory bag

Contains Flammable Refrigerants
Contient des réfrigérants inflammables

Refrigerant:
Fluide frigorigène: R454B

Additional Charge:
Charge supplémentaire: ____ OZ

Total Charge (Installer Reference):
Charge totale (Référence du Programme d'installation): ____ OZ

Max. Refrigerant Charge Amount X[oz.(g)]

Model(Btu/h)	18K	24K	36K	48K
Max. Refrigerant charge [oz.(g)]	69.67(1975)	101.34(2873)	127(3600)	128.33(3638)

⚠ WARNING

Required minimum room area Y [ft.^{2}(m^2)]

X[oz.(g)]	Ducted unit		Cassette unit		Wall-mounted unit	
	Return air outlet height [ft.(m)]	Y[ft.^{2}(m^2)]	Return air outlet height [ft.(m)]	Y[ft.^{2}(m^2)]	Return air outlet height [ft.(m)]	Y[ft.^{2}(m^2)]
<63.49(1800)	No restriction					
63.49(1800)		60(5.5)		60(5.5)		73(6.8)
67.02(1900)		63(5.8)		63(5.8)		77(7.1)
70.55(2000)		66(6.1)		66(6.1)		81(7.5)
74.08(2100)		69(6.4)		69(6.4)		85(7.9)
77.60(2200)		73(6.8)		73(6.8)		90(8.3)
81.13(2300)		77(7.1)		77(7.1)		93(8.6)
84.66(2400)		80(7.4)		80(7.4)		97(9.0)
88.18(2500)		83(7.7)		83(7.7)		102(9.4)
91.71(2600)		86(8.0)		86(8.0)		106(9.8)
95.24(2700)		90(8.3)		90(8.3)		109(10.1)
98.77(2800)		93(8.6)		93(8.6)		113(10.5)
102.29(2900)		95(8.9)		95(8.9)		118(10.9)
105.82(3000)		99(9.2)		99(9.2)		122(11.3)
109.35(3100)		103(9.5)		103(9.5)		125(11.6)
112.88(3200)		106(9.8)		106(9.8)		130(12.0)
116.40(3300)		109(10.1)		109(10.1)		134(12.4)
119.93(3400)	7.2(2.2)	112(10.4)	7.2(2.2)	112(10.4)	5.9(1.8)	138(12.8)
123.46(3500)		115(10.7)		115(10.7)		141(13.1)
126.99(3600)		120(11.1)		120(11.1)		146(13.5)
130.51(3700)		123(11.4)		123(11.4)		153(14.2)
134.04(3800)		126(11.7)		126(11.7)		162(15.0)
137.57(3900)		130(12.0)		130(12.0)		170(15.8)
141.10(4000)		133(12.3)		133(12.3)		179(16.6)
144.62(4100)		136(12.6)		136(12.6)		188(17.4)
148.15(4200)		139(12.9)		139(12.9)		197(18.3)
151.68(4300)		142(13.2)		142(13.2)		207(19.2)
155.21(4400)		146(13.5)		146(13.5)		217(20.1)
158.73(4500)		151(14.0)		151(14.0)		226(21.0)
162.26(4600)		159(14.7)		159(14.7)		236(21.9)
165.79(4700)		165(15.3)		165(15.3)		247(22.9)
169.32(4800)		173(16.0)		173(16.0)		258(23.9)
172.84(4900)		180(16.7)		180(16.7)		268(24.9)
176.37(5000)		187(17.3)		187(17.3)		279(25.9)

Safety Precautions

Explanation of symbols displayed on the indoor unit or outdoor unit.

  Refrigerant safety group **A2L**	**WARNING**	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	**CAUTION**	This symbol shows that the operation manual should be read carefully.
	**CAUTION**	This symbol shows that a service personnel should be handling this equipment with reference to the installation manual.
	**CAUTION**	This symbol shows that information is available such as the operating manual or installation manual.

Multi-Split Type Air Conditioner Service Manual

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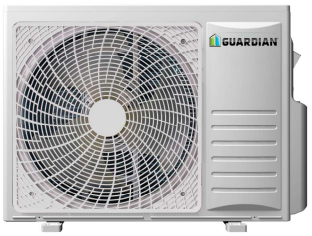
Part I
Engineering Data

1. GENERAL

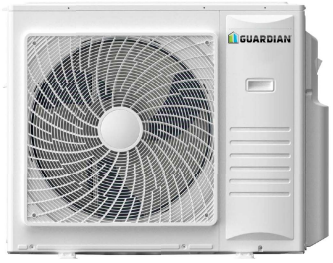
1.1 External Appearance

Outdoor unit

18K



24K/36K/48K



1.2 Product Lineup

Model(Btu/h) / Type	18K	24K	36K	48K
Up to 2 IDUs	●			
Up to 3 IDUs		●		
Up to 4 IDUs			●	
Up to 5 IDUs				●

●: available model

1.3 Power Supply

Model (Capacity: Btu/h)	Power Supply	Applicable voltage		ELB		Circuit Breaker (A)
		Umin(V)	Umax(V)	Rated Current (A)	Nominal Sensitive Current (mA)	
18K	208/230V ~/60Hz	187	253	30	30	30
24K	208/230V ~/60Hz	187	253	40	30	40
36K	208/230V ~/60Hz	187	253	50	30	50
48K	208/230V ~/60Hz	187	253	60	30	60

NOTE:

1. The above compressor data is based on 100% capacity combination of indoor units at the rated operating frequency.
2. This data is based on the same conditions as the nominal heating and cooling capacities.
3. The compressor started by an inverter, resulting in extremely low starting current.

1.4 Unit Installation

With the DC inverter technology, one outdoor unit can be connected with 5 indoor units at most. The combination rate range is from 80% to 130%.

Model (Btu/h)	Max. Combined Quantity of Indoor Units
18K	2
24K	3
36K	4
48K	5

1.5 Working Range

Power supply

Working Voltage	187V ~ 253V
Voltage Imbalance	Within a 3% deviation from each voltage at the main terminal of outdoor unit
Starting Voltage	Higher than 85% of the Rated Voltage

Operating temperature range

This air conditioner is designed for the following outdoor operating temperatures.

Type	Mode	Outdoor operating temperature	
		maximum	minimum
Multi-Split Air Conditioner (Heat pump type)	Cooling Operation	125°F(52°C)	5°F(-15°C)
	Heating Operation	75°F(24°C)	-13°F(-25°C)

Storage condition:

Temperature -13~140°F (-25~60°C)

Humidity 30%~80%

1.6 Specification

Free Match Split Indoor					
Model Name		**UNI09HW23STG1**	**UNI12HW23STG1**	**UNI18HW23STG1**	**UNI24HW23STG1**
Box code		G1X	G1X	G3D	G3D
Cooling capacity	Btu/h	9000	12000	18000	24000
Heating capacity	Btu/h	9000	12000	18000	24000
Power	V/Hz/f	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P
Rated current	A	0.18	0.18	0.32	0.32
Anti electric shock		Class I	Class I	Class I	Class I
Degrees of protection		IPX0	IPX0	IPX0	IPX0
Air flow	m3/h	580	620	1100	1200
	CFM	341	365	647	706
Noise Level (Sound Pressure)	dB(A)	39/32/29	39/32/29	45/41/37	47/42/36
Net Dimension (WxHxD)	mm	835×280×220	835×280×220	1100×325×244	1100×325×244
	inch	32 7/8x11x8 11/16	32 7/8x11x8 11/16	43 5/16x12 13/16x9 5/8	43 5/16x12 13/16x9 5/8
Net Weight	kg	8.5	8.5	14	14
	lbs	18.7	18.7	30.8	30.8
Package Dimension (WxHxD)	mm	870×335×265	870×335×265	1170×390×315	1170×390×315
	inch	34 1/4x13 3/16x10 7/16	34 1/4x13 3/16x10 7/16	46 1/16x15 3/8x12 7/16	46 1/16x15 3/8x12 7/16
Gross Weight	kg	10.5	10.5	17.0	17.0
	lbs	23.1	23.1	37.5	37.5
Diameter(Liquid)	mm	6.35	6.35	6.35	9.52
	inch	1/4	1/4	1/4	3/8
Diameter(Gas)	mm	9.52	9.52	12.7	15.88
	inch	3/8	3/8	1/2	5/8
Loading capacity	20'/40'/40HQ	408/807/944	408/807/944	199/402/464	199/402/464

Free Match Split Indoor						
Model Name		**UNI09CS23STG1**	**UNI12CS23STG1**	**UNI18CS23STG1**	**UNI24CS23STG1**	**UNI36CS23STG1**
Box code		Q2C	Q2C	Q3D	Q5D	Q5D
Cooling capacity	Btu/h	9000	12000	18000	24000	36000
Heating capacity	Btu/h	9000	12000	18000	24000	36000
Power	V/Hz/f	208/230 50/60 1	208/230 50/60 1	208/230 50/60 1	208/230 50/60 1	208/230 50/60 1
Rated current	A	0.5	0.5	0.9	0.9	0.82
Anti electric shock		Class I	Class I	Class I	Class I	Class I
Degrees of protection		IPX4	IPX4	IPX4	IPX4	IPX4
Air flow	m3/h	580/500/400	580/500/400	1080/930/780	1080/930/780	1750/1500/1250
	CFM	341/294/235	341/294/235	643/554/465	643/554/465	1030/883/736
Noise Level (Sound Pressure)	dB(A)	52	52	57	54	60
Net Dimension (WxHxD)	mm	570×215×570	570×215×570	840×236×840	840×236×840	840×272×840
	inch	22-1/2 ×8-1/2×22-1/2	22-1/2 ×8-1/2×22-1/2	33-1/8 ×9-1/4 ×33-1/8	33-1/8 ×9-1/4 ×33-1/8	33-1/8 ×10-3/4×33-1/8
Net Weight	kg	15.5	15.5	23	23	26
	lbs	34.2	34.2	50.7	50.7	57.3
Package Dimension (WxHxD)	mm	730×668×292	730×668×292	950×950×320	950×950×320	950×360×950
	inch	28-3/4 ×26-1/4×11-1/2	28-3/4 ×26-1/4×11-1/2	37-3/8 ×37-3/8 ×12-5/8	37-3/8 ×37-3/8 ×12-5/8	37-3/8 ×14-1/8×37-3/8
Gross Weight	kg	18.5	18.5	28	28	32
	lbs	40.8	40.8	61.7	61.7	70.6
Diameter(Liquid)	mm	6.35	6.35	6.35	9.52	9.52
	inch	1/4	1/4	1/4	3/8	3/8
Diameter(Gas)	mm	9.52	9.52	12.7	15.88	15.88
	inch	3/8	3/8	1/2	5/8	5/8
Loading capacity	20'/40'/40HQ	140/298/330	140/298/330	84/168/192	84/168/192	72/144/168

Free Match Duct Indoor						
Model Name		UNI09DT23STG1	UNI12DT23STG1	UNI18DT23STG1	UNI24DT23STG1	UNI36DT23STG1
Box code		F2E	F2E			F5E
Cooling capacity	Btu/h	9000	12000	18000	24000	33000
Heating capacity	Btu/h	9000	12000	18000	24000	36000
Power	V/Hz/f	208/230 50/60 1	208/230 50/60 1	208/230 50/60 1	208/230 50/60 1	208/230 50/60 1
Rated current	A	0.4	0.4			2.35
Anti electric shock		Class I	Class I	Class I	Class I	Class I
Degrees of protection		IPX0	IPX0	IPX0	IPX0	IPX0
Air flow	m3/h	550/500/400	550/500/400	900/800/700	1250/1100/950	1900/1700/1500
	CFM	324/294/235	324/294/235	530/471/412	735/647/559	1118/1000/883
Noise Level (Sound Pressure)	dB(A)	57	57	54	54	69
Net Dimension (WxHxD)	mm	910×190×447	910×190×447	800×245×700	1100×245×700	1400×300×800
	inch	35-7/8 ×7-1/2×17-5/8	35-7/8 ×7-1/2×17-5/8	31-1/2×9-5/8×27-1/2	47-1/4×9-5/8×27-1/2	55-1/8 × 11-3/4 × 31-1/2
Net Weight	kg	20	20	26.5	33.5	51
	lbs	44.1	44.1	58.4	73.9	112.4
Package Dimension (WxHxD)	mm	1080×565×285	1080×565×285	980×810×315	1295×830×315	1580×380×920
	inch	42-1/2×22-1/4 ×11-1/4	42-1/2×22-1/4 ×11-1/4	38-5/8×31-7/8×12-3/8	51×32-5/8×12-3/8	62-1/4×15×36-1/4
Gross Weight	kg	23.5	23.5	31	38.5	57
	lbs	51.8	51.8	68.3	84.9	125.66334
Diameter(Liquid)	mm	6.35	6.35	6.35	9.52	9.52
	inch	1/4	1/4	1/4	3/8	3/8
Diameter(Gas)	mm	9.52	9.52	9.52	15.88	15.88
	inch	3/8	3/8	3/8	5/8	5/8
Loading capacity	20'/40'/40HQ	160/352/396	160/352/396	98/196/224	77/161/184	42/90/105

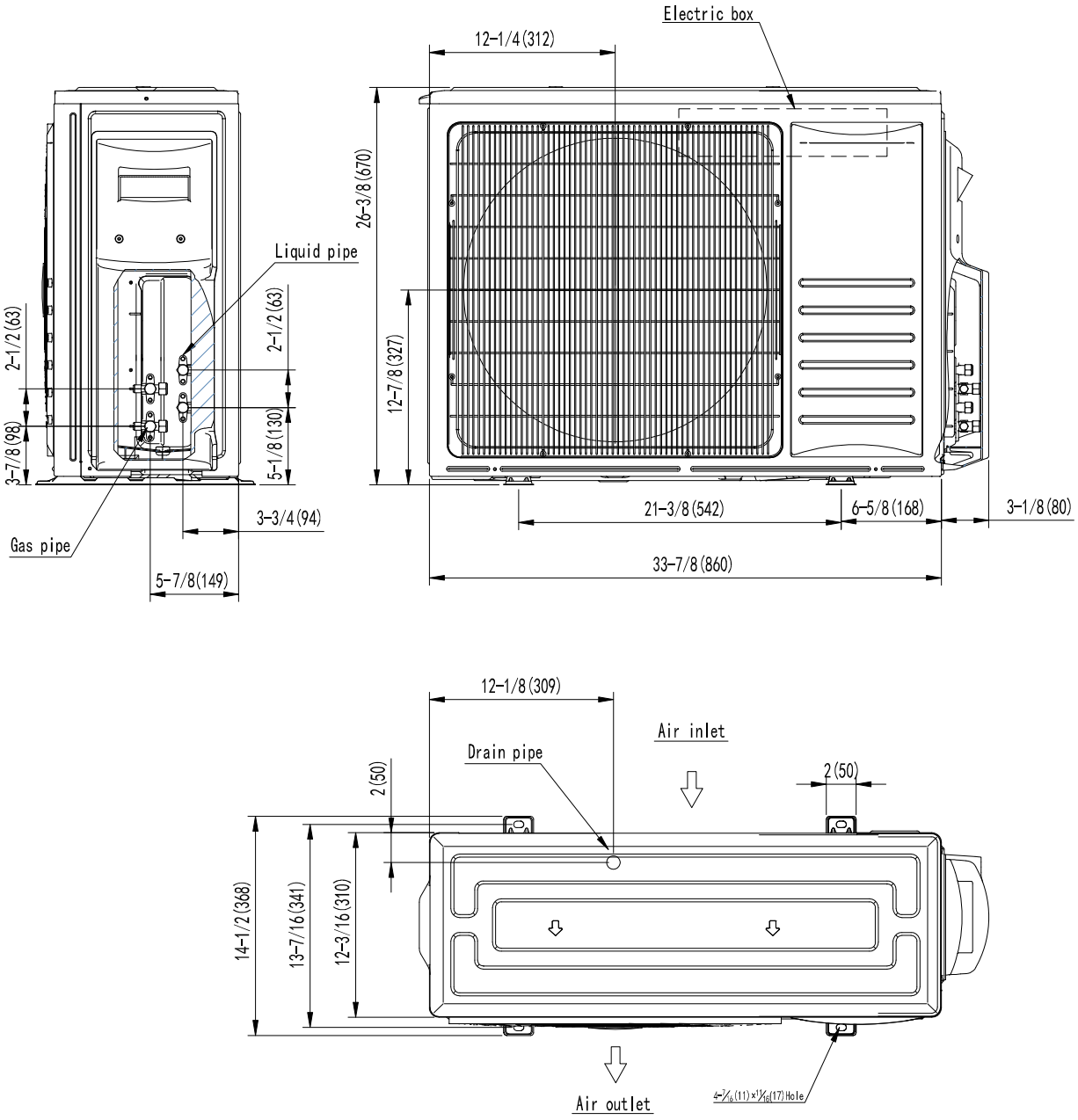
Outdoor Units

Type (Multi Zone)				**Up to 2 indoor units**	**Up to 3 indoor units**	**Up to 4 indoor units**	**Up to 5 indoor units**
Model Name				**UMC18CN23STG1**	**UMC24CN23STG1**	**UMC36CN23STG1**	**UMC48CN23STG1**
E-STAR__V6.1				Yes	Yes	Yes	Yes
NEEP				Yes	Yes	Yes	Yes
Canada Greener Home Program				Yes	Yes	Yes	Yes
Gas				R454B	R454B	R454B	R454B
Capacity	Rated Cooling Capacity	95 ºF	Btu/h	18000	27000	36000	42000
	Rated Heating Capacity	47 ºF	Btu/h	18000	27000	36000	48000
		17 ºF	Btu/h	11500	17600	22600	28200
	Maximum Heating Capacity	17 ºF	Btu/h	18000	27000	36000	36000
		5 ºF	Btu/h	18000	27000	36000	36000
	Cooling Capacity Range	95 ºF	Btu/h	18000(9000~22000)	27000(9000-31000)	36000(9000-46800)	42000(9000-54600)
	Heating Capacity Range	47 ºF	Btu/h	18000(14500~30000)	27000(20100-44000)	36000(9000-54000)	48000(9000-58000)
Airflow Outdoor Unit			m3/h	3150	5700	5700	5700
			CFM	1850	3357	3357	3357
EER2		95 ºF	Btu/（W•h）	13.33	12.85	12.85	12.0
EER2		95 ºF		3.91	3.77	3.77	3.52
COP2		47 ºF	W/W	3.82	3.60	3.91	3.60
COP2		47 ºF	Btu/（W•h）	13.04	12.28	13.34	12.28
SEER2			Btu/（W•h）	22	23	22	22
HSPF2			Btu/（W•h）	10.00	10.00	10.00	9.5
Noise Level			dB(A) (Max)	55	62	64	64
Guaranteed Operating Range	Cooling		℉	5~125	5~125	5~125	5~125
			℃	-15~52	-15~52	-15~52	-15~52
	Heating		℉	-13~75℉	-13~75℉	-13~75℉	-13~75℉
			℃	-25~24	-25~24	-25~24	-25~24
Compressor	Model			KRD220XAA21	KKD330XAA21	C-7RZ420H1CAF	C-7RZ420H1CAF
	Type			ROTARY	ROTARY	ROTARY	ROTARY
	Brand			Panasonic	Panasonic	CRSS	CRSS
Electrical Data							
Voltage, Frequency, Phase			V/Hz/f	208/230 50/60 1	208/230 50/60 1	208/230 50/60 1	208/230 50/60 1
Voltage Range			V	187~253	187~253	187~253	187~253
Power Input	Cooling	95 ºF	W	1350(510-2610)	2100（850-3000)	2802(1200-5350)	3500(1200-6300)
	Heating	47 ºF	W	1380(450-3381)	2200(1300-4500)	2700(1950-5250)	3910(2100-5400)
Rated Current	Cooling	95 ºF	A	6.3	9.3	12.8	15.5
	Heating	47 ºF	A	6.4	10	12.5	18
Max. Current	Cooling		A	12.1	13.6	24	28.0
	Heating		A	15.7	20	23.8	24.5
Current Range	Cooling		A	6.3(2.4-12.1)	9.3(3.6-13.6)	12.8(5.3-24)	15.5(5.3-28.0)
	Heating		A	6.4(2.1-15.7)	10(5.9-20)	12.5(9.0-23.8)	18.0(9.7-24.5)
Max. td Fuse/Breaker			A	30	40	50	60
Power Source Cable Size			No.× AWG	3×12AWG	3×12AWG	3×8AWG	3×8AWG
Transmitting Cable Size			No.× AWG	4×16AWG	4×16AWG	4×16AWG	4×16AWG
Power Consumption in Stand-by mode			W	12	20	20	20
Dimension & Weight							
Net Dimension (WxHxD)			mm	860×670×310	975×835×360	975×835×360	975×835×360
			inch	33-7/8x26-3/8x12-1/4	38-3/8 ×32-7/8 ×14-1/8	38-3/8 ×32-7/8 ×14-1/8	38-3/8 ×32-7/8 ×14-1/8
Net Weight			kg	46	72.9	77	78
			lbs	101.4	160.6	169.8	172
Package Dimension (WxHxD)			mm	990×730×450	1045×960×460	1045×960×460	1045×960×460
			inch	39x28-3/4x17-3/4	43-3/4x37-3/4x18-1/8	43-3/4x37-3/4x18-1/8	43-3/4x37-3/4x18-1/8
Gross Weight			kg	51	83.1	87	88
			lbs	112.4	183.2	191.8	194
Technical Information							
Piping	Diameter(Liquid)		mm	6.35	6.35	6.35	6.35
			inch	1/4	1/4	1/4	1/4
	Diameter(Gas)		mm	9.52	9.52	9.52	9.52
			inch	3/8	3/8	3/8	3/8
	Max Length(Each)		m	25	25	25	25
			ft	82	82	82	82
	Max Length(Total)		m	50	70	70	80
			ft	164	230	230	262
	Max Height		m	15	15	15	15
			ft	49	49	49	49
Upload refrigerant			g	1450	2160	3000	3000
			oz	51.15	76.2	105.8	105.8
Upload additional refrigerant			g/m	15g/m over 15m	15g/m over 22.5m	15g/m over 30m	15g/m over37.5m
			oz/ft	0.16oz/ft over 15m	0.16oz/ft over 22.5m	0.16oz/ft over 30m	0.16oz/ft over 37.5m
Loading capacity	20'/40'/40HQ		sets	90/186/186	52/106/106	52/106/106	52/106/106

2. Outlines and Dimensions

18K

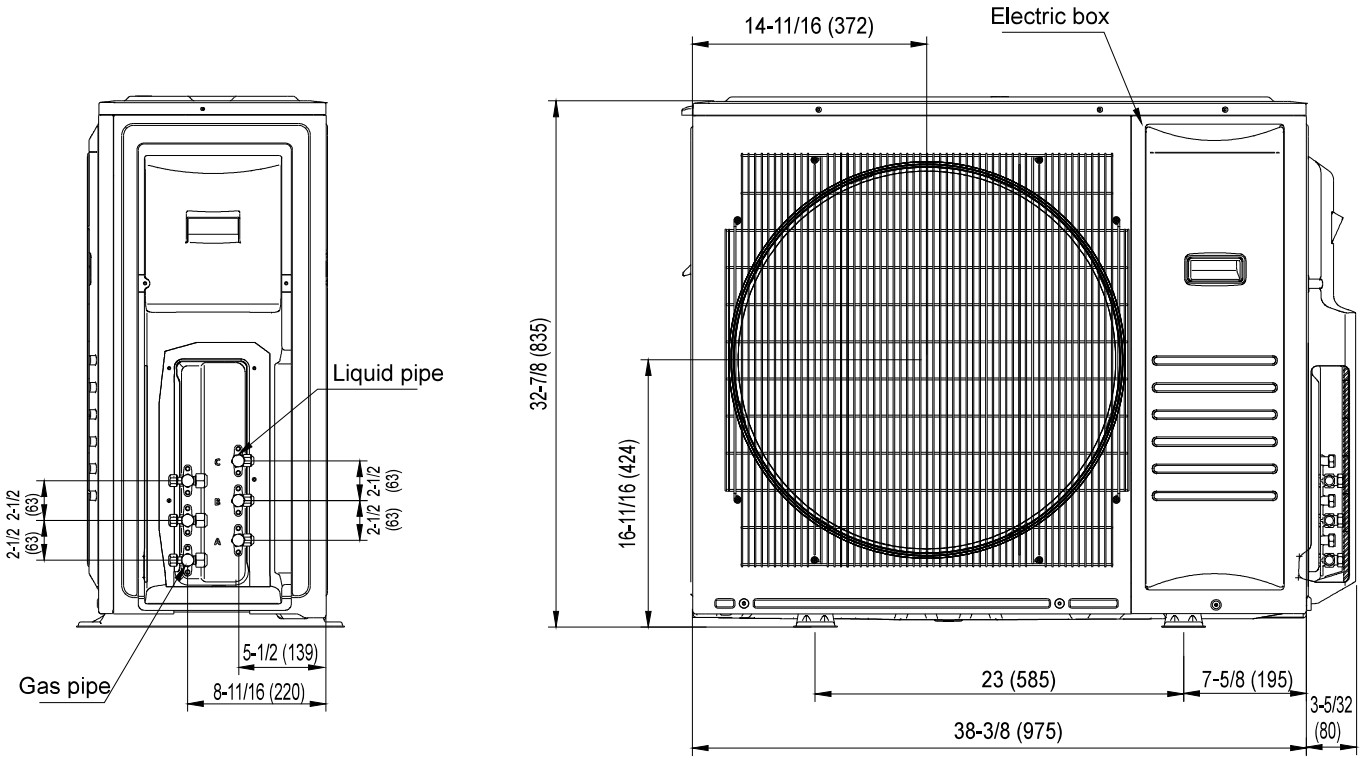
Unit: in.(mm)

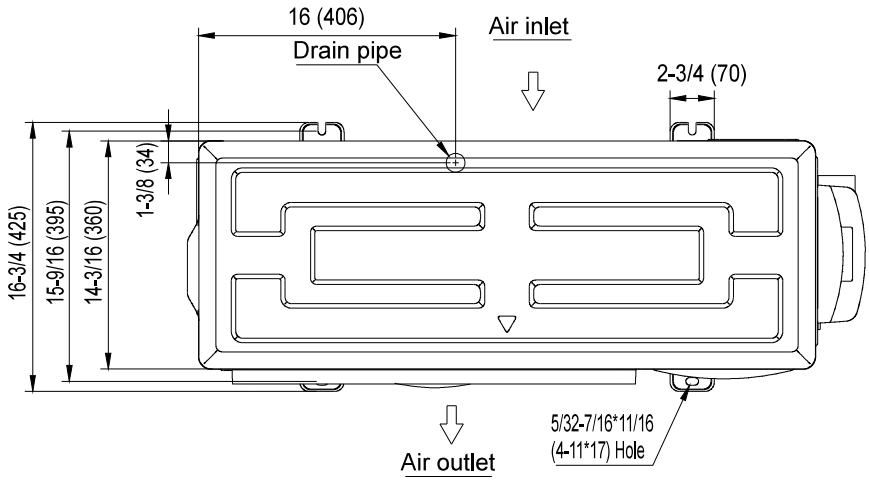


2. OUTLINES AND DIMENSIONS

24K

Unit: in.(mm)

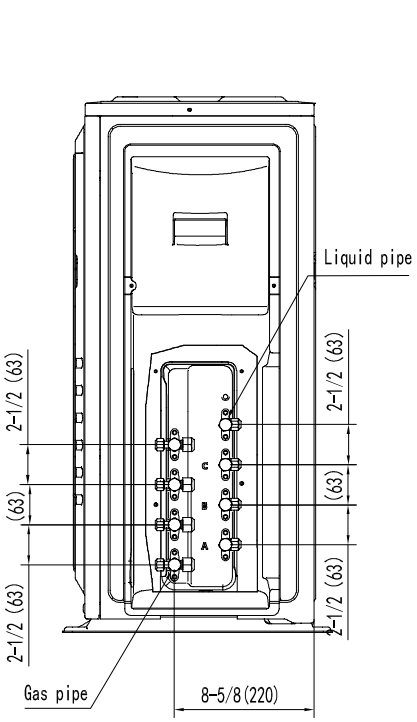


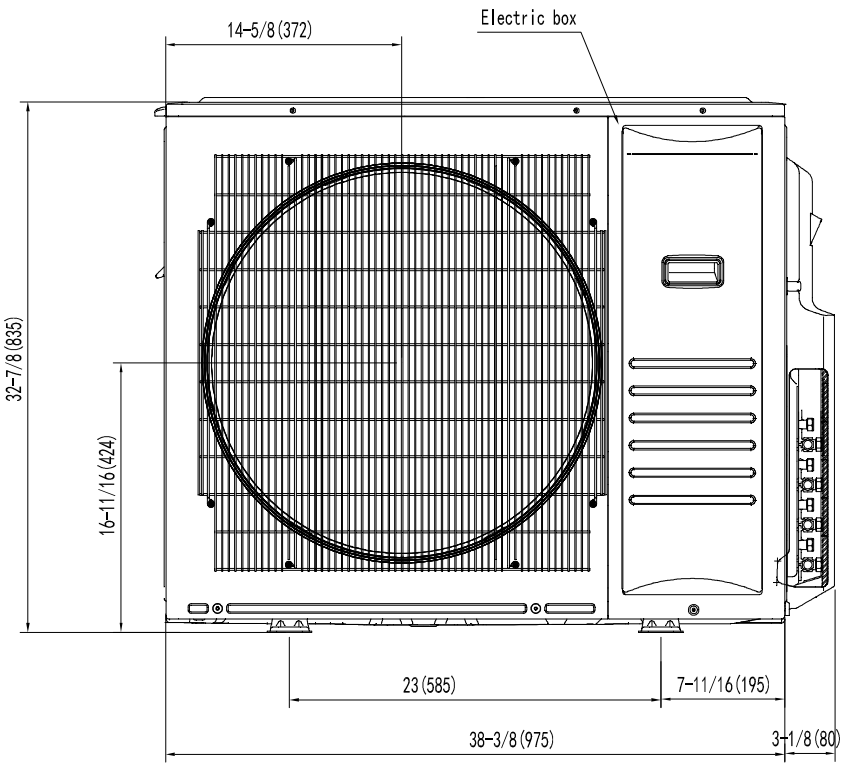


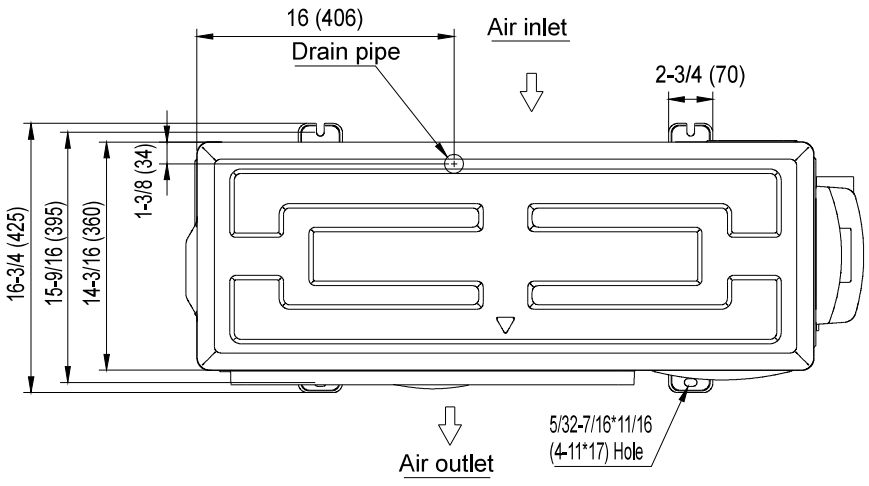
2. OUTLINES AND DIMENSIONS

36K

Unit: in.(mm)



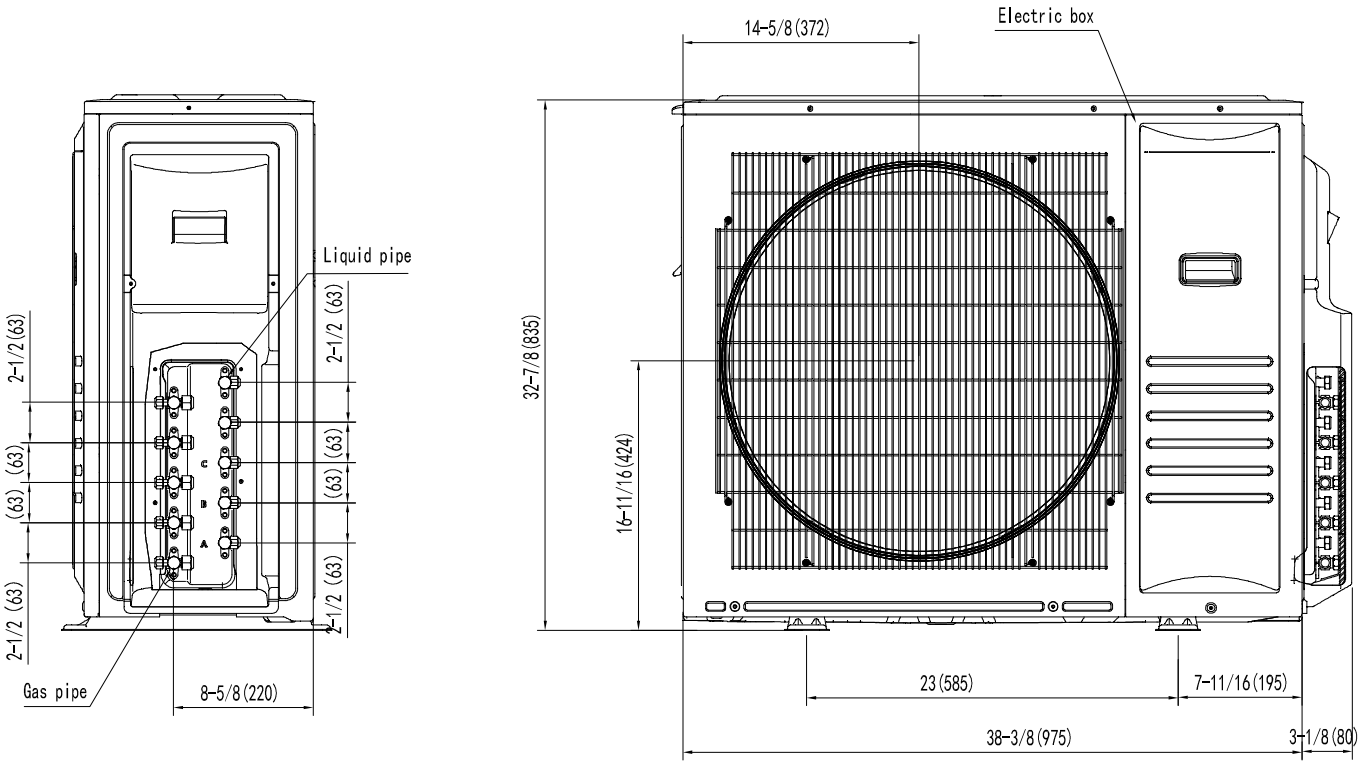


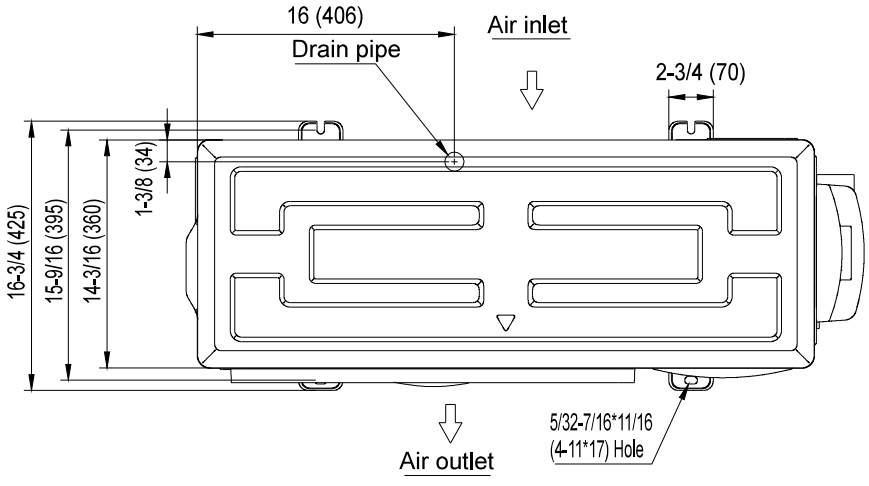


2. OUTLINES AND DIMENSIONS

48K

Unit: in.(mm)

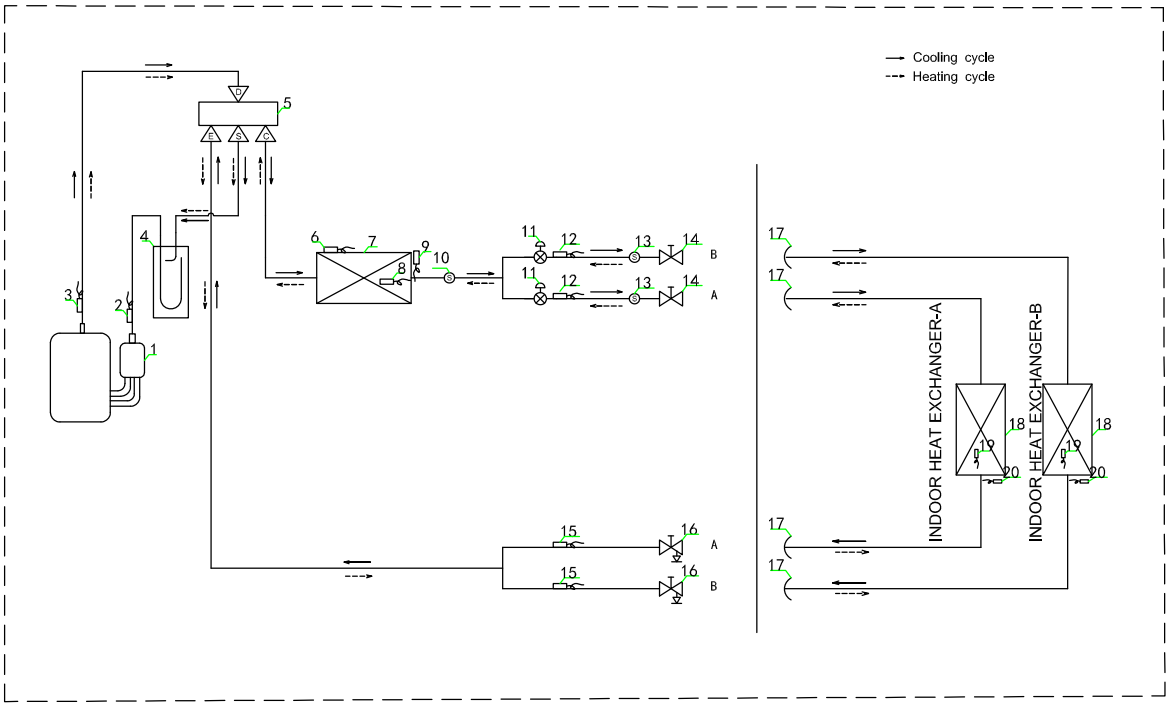




3. REFRIGERANT CYCLE

3. Refrigerant Cycle

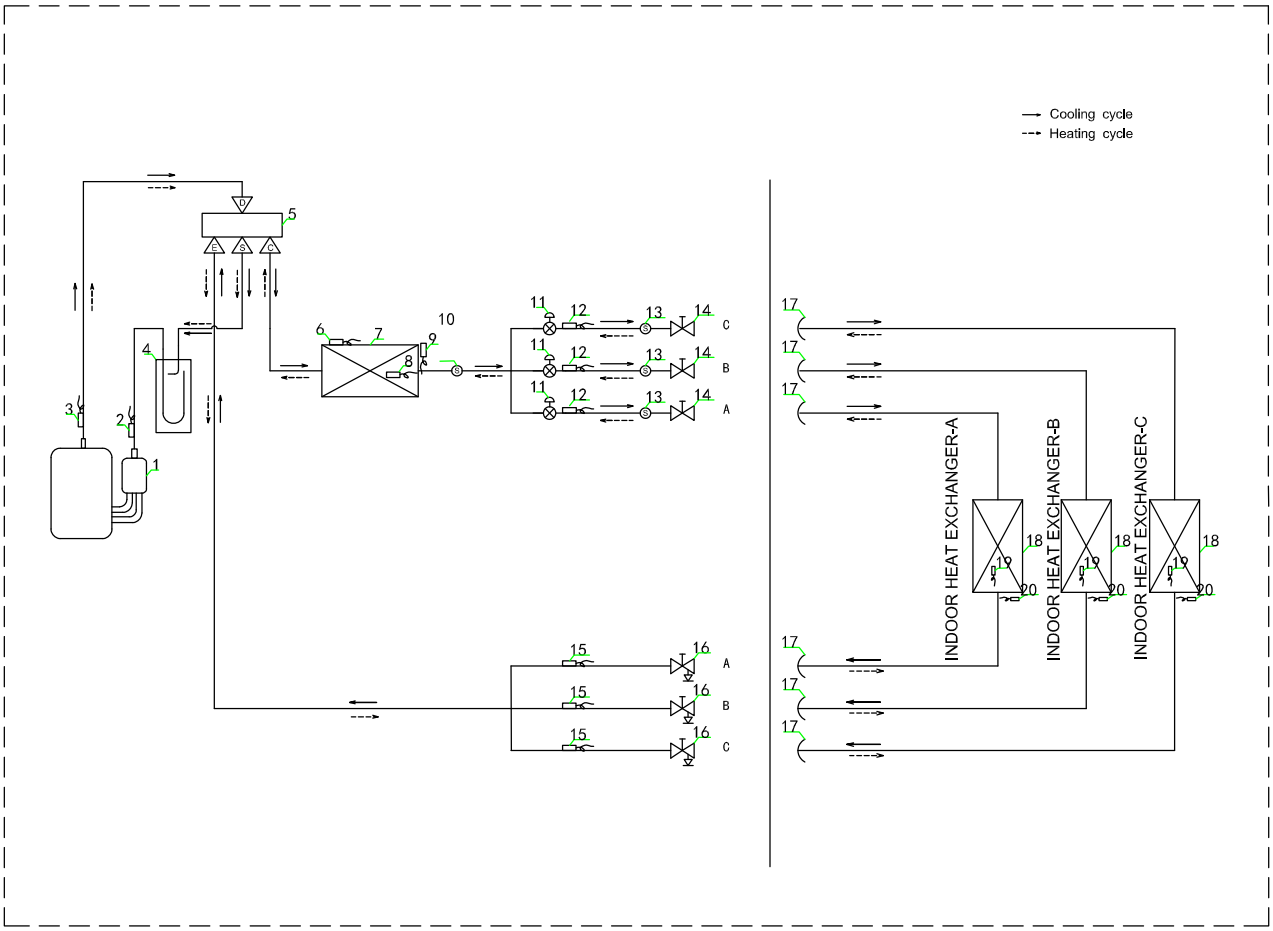
18K



List of components			
1	Two-rotor compressor	11	Electronic expansion valve
2	Suction temperature sensor	12	Gas tube temperature sensor
3	Discharge temperature sensor	13	Strainer
4	Gas-liquid separator	14	Stop valve
5	4-Way valve	15	Liquid tube temperature sensor
6	Ambient temperature sensor	16	Stop valve(Needle)
7	Outdoor heat exchanger	17	Hexagon nut
8	Coil temperature sensor	18	Indoor heat exchanger
9	Frost temperature sensor	19	Coil temperature sensor
10	Strainer	20	Ambient temperature sensor

3. REFRIGERANT CYCLE

24K



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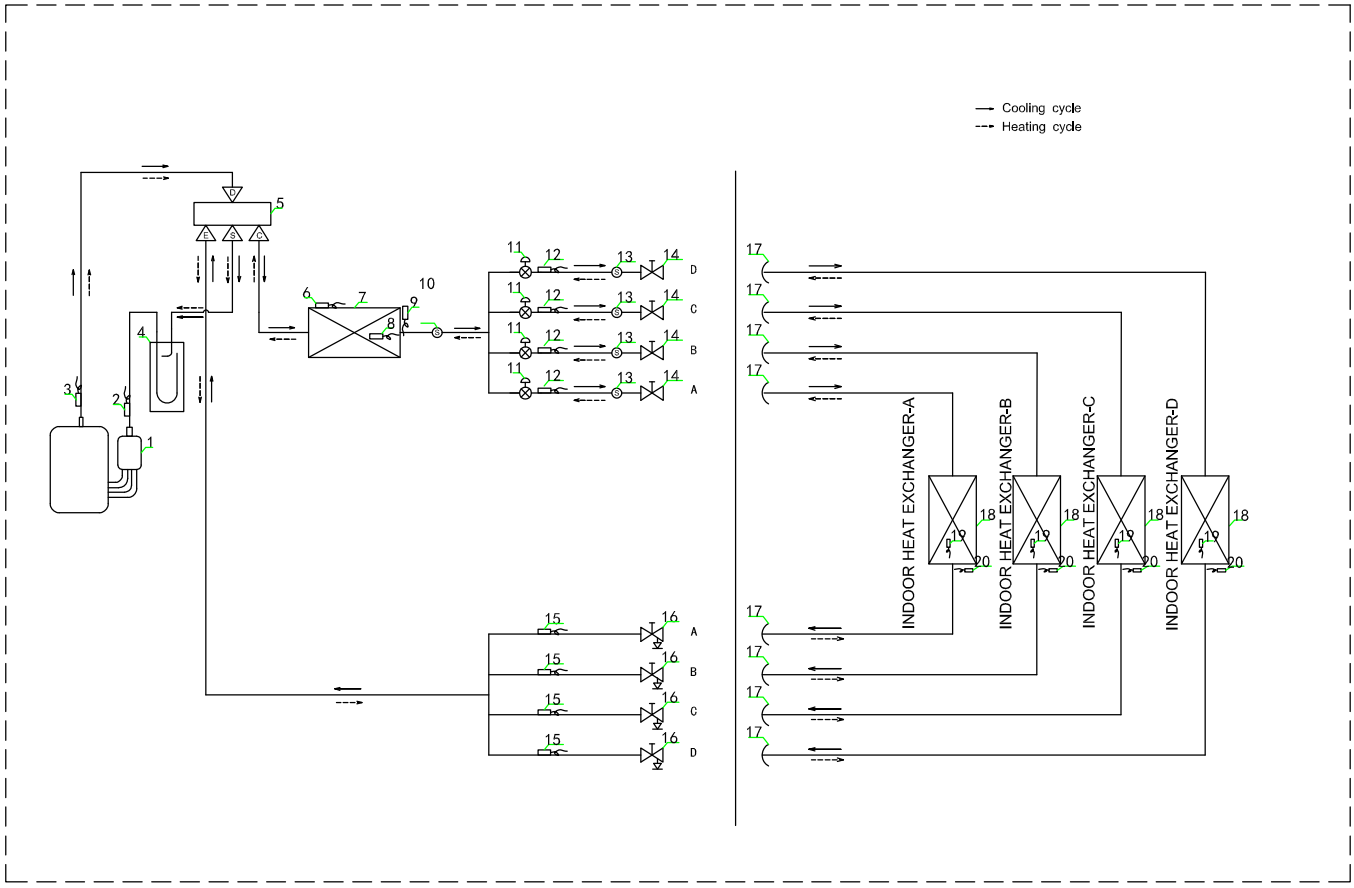
9	Frost temperature sensor	19	Coil temperature sensor
10	Strainer	20	Ambient temperature sensor

3. REFRIGERANT CYCLE

36K



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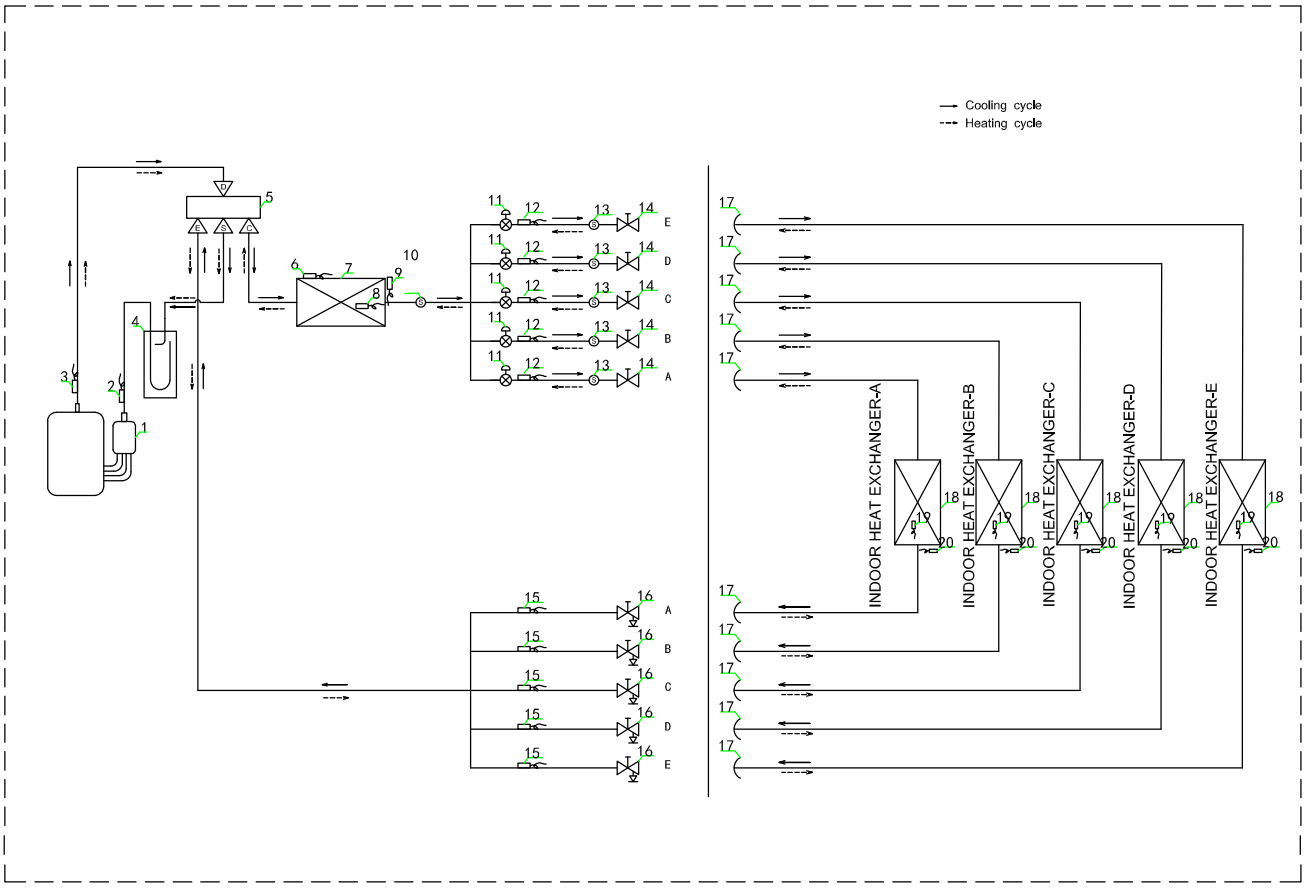
10	Strainer	20	Ambient temperature sensor

3. REFRIGERANT CYCLE

48K



List of components			
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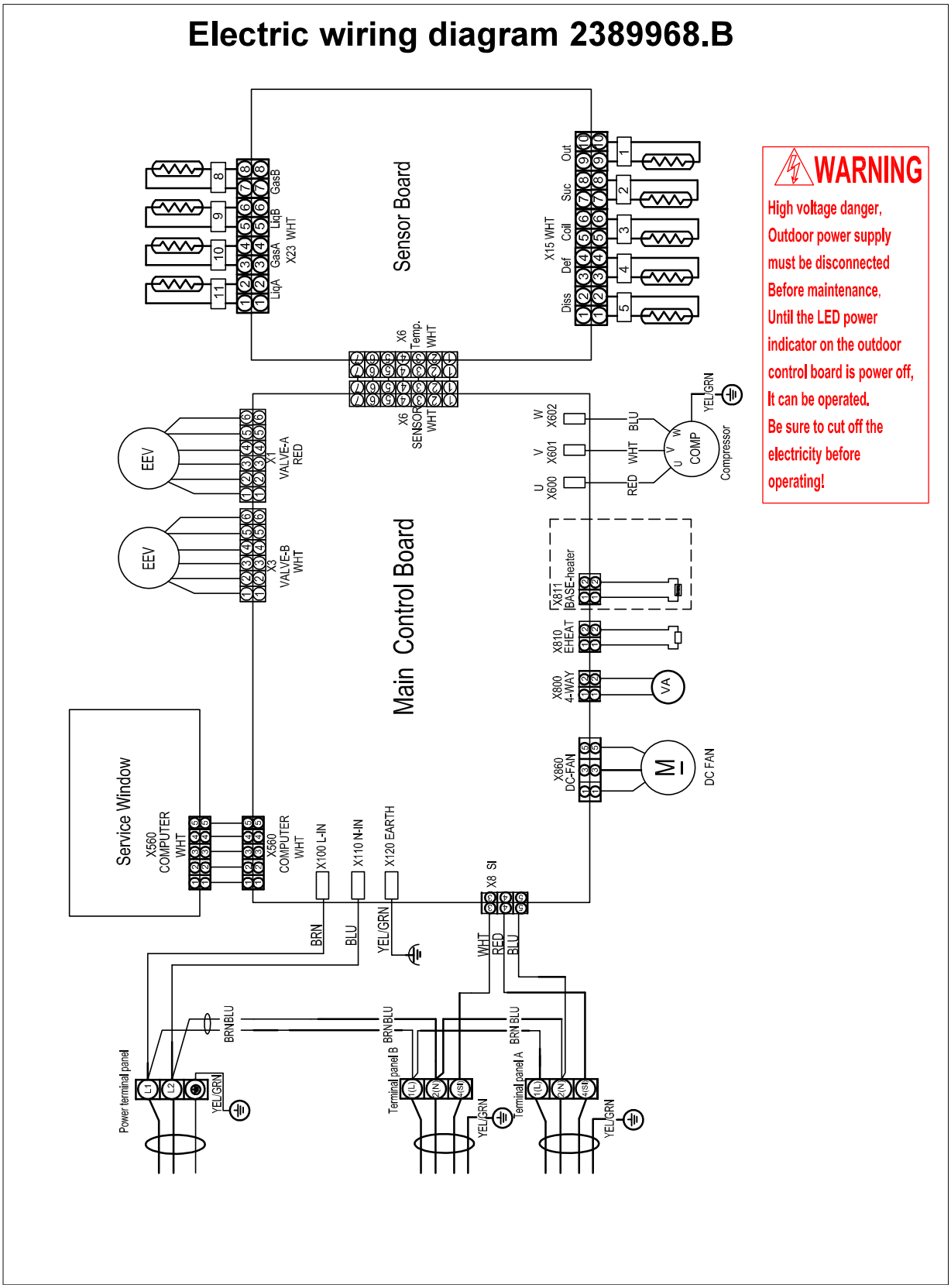
4	Gas-liquid separator	14	Stop valve
5	4-Way valve	15	Liquid tube temperature sensor
6	Ambient temperature sensor	16	Stop valve(Needle)
7	Outdoor heat exchanger	17	Hexagon nut
8	Coil temperature sensor	18	Indoor heat exchanger
9	Frost temperature sensor	19	Coil temperature sensor
10	Strainer	20	Ambient temperature sensor

4. Wiring Diagram

4.1 Electrical Wiring Diagram

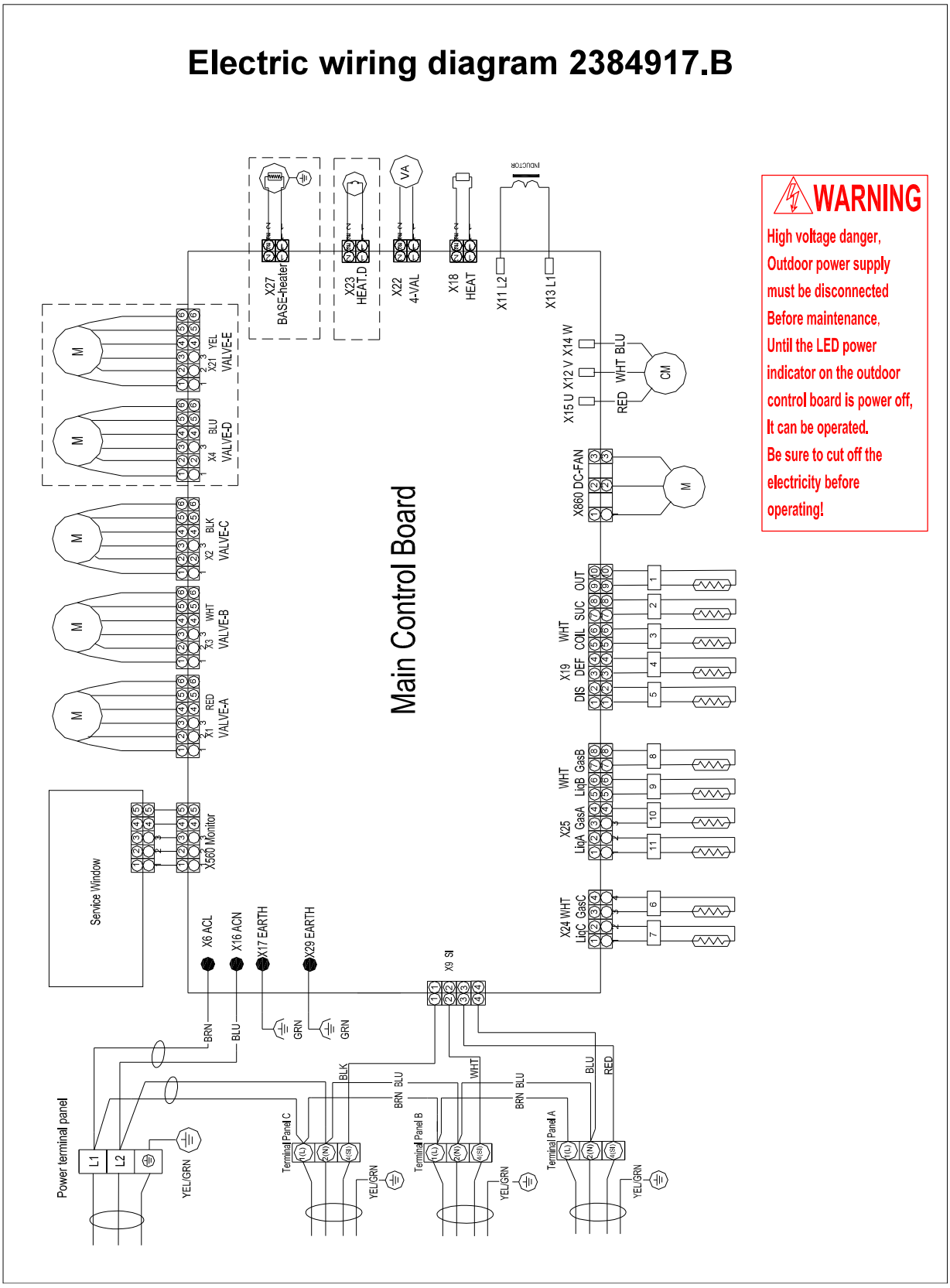
Outdoor unit

18K



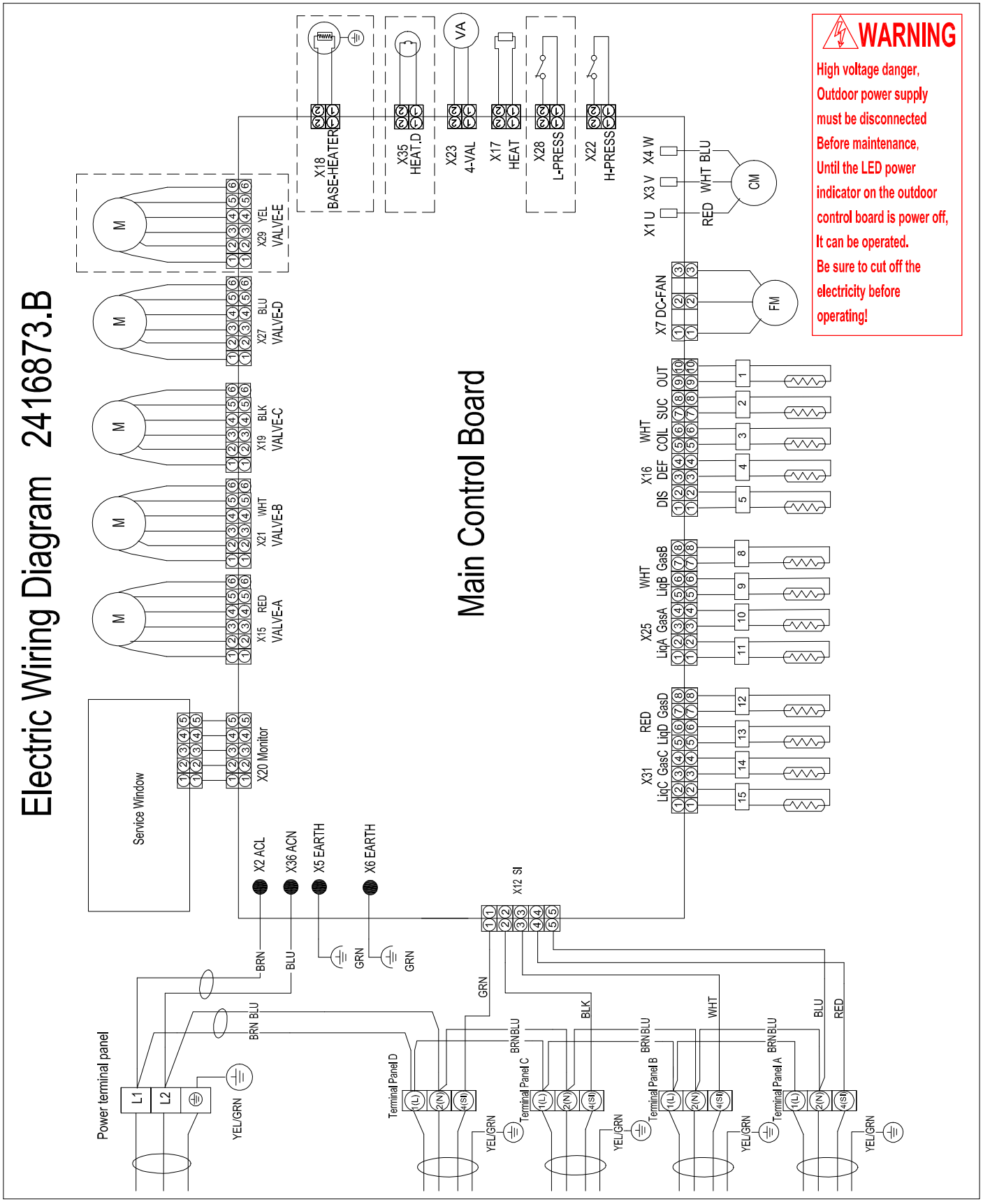
4. WIRING DIAGRAM

24K



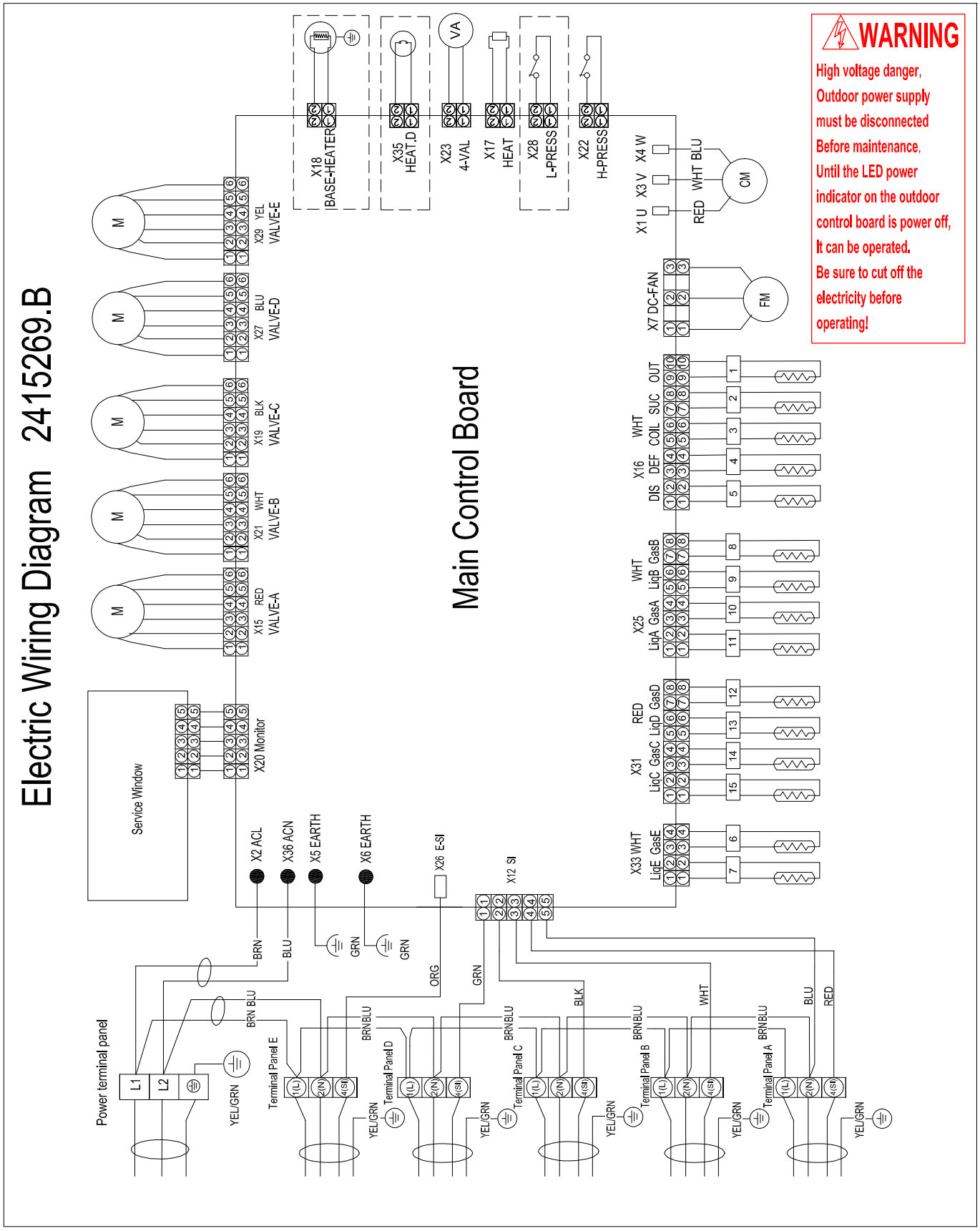
4. WIRING DIAGRAM

36K



4. WIRING DIAGRAM

48K

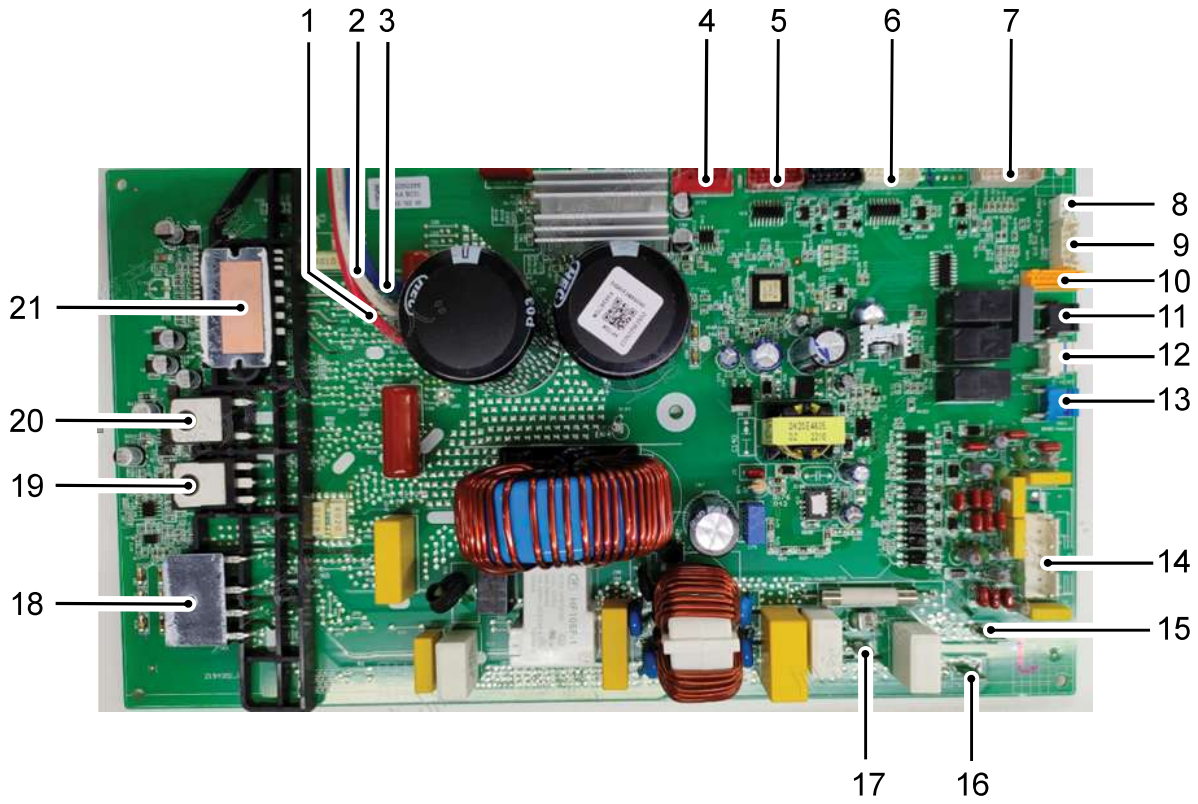


4. WIRING DIAGRAM

4.2 Control Board Picture

Main control board

18K

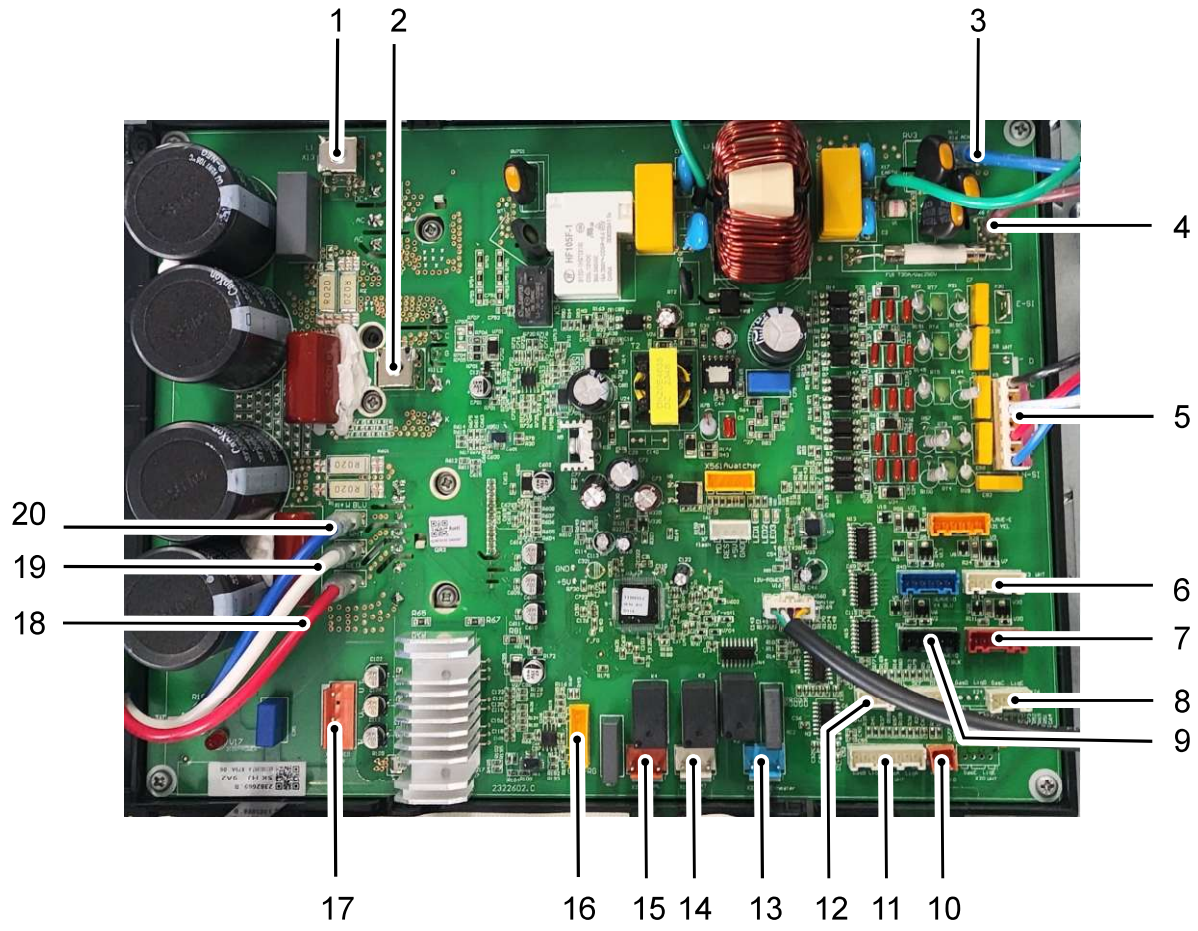


NO.	Description	NO.	Description
1	Compressor U	12	Electric Heating Belt
2	Compressor V	13	Base Heater
3	Compressor W	14	Communication Signal to Indoor
4	DC Motor	15	AC Power Lin
5	Electronic Expansion Valve A	16	AC Power Nin
6	Electronic Expansion Valve B	17	Earth
7	Ambient/ Coil/ Discharge Temp Sensor	18	Bridge Rectifier
8	EEPROM Flashing	19	IGBT
9	Communication Signal to Computer	20	Power Diode
10	EE PRG	21	IPM Module Circuit
11	4-way Valve		

4. WIRING DIAGRAM

Main control board

24K

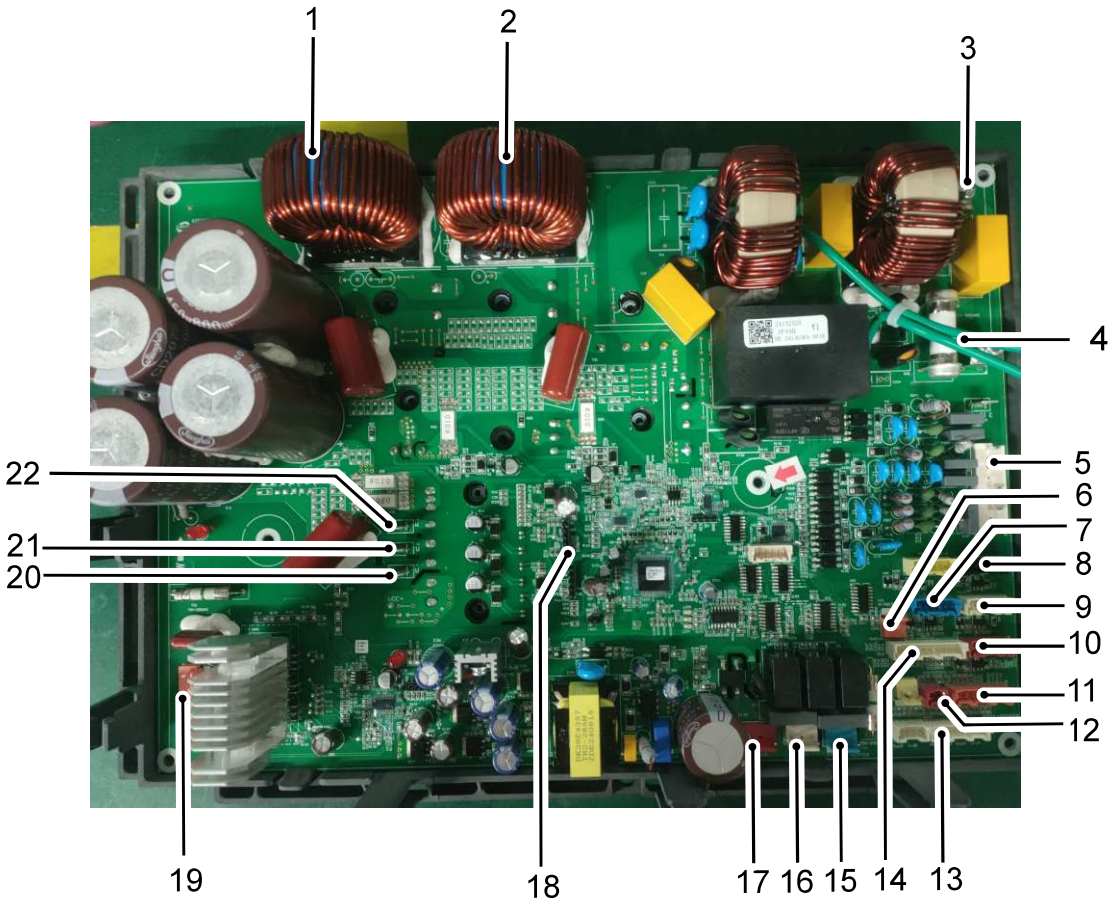


NO.	Description	NO.	Description
1	Reactor L1	11	Gas B/ Liquid B / Gas A/ Liquid A Sensor
2	Reactor L2	12	Discharge/defrost/coil/suction/outdoor sensor
3	AC Power Nin	13	Base Heater
4	AC Power Lin	14	Electric Heating Belt
5	SI	15	4-way Valve
6	Electronic Expansion Valve B	16	EEPROM Flashing
7	Electronic Expansion Valve A	17	DC Motor
8	Gas C/ Liquid C Sensor	18	Compressor U
9	Electronic Expansion Valve C	19	Compressor V
10	Overheat protector	20	Compressor W

4. WIRING DIAGRAM

Main control board

36K

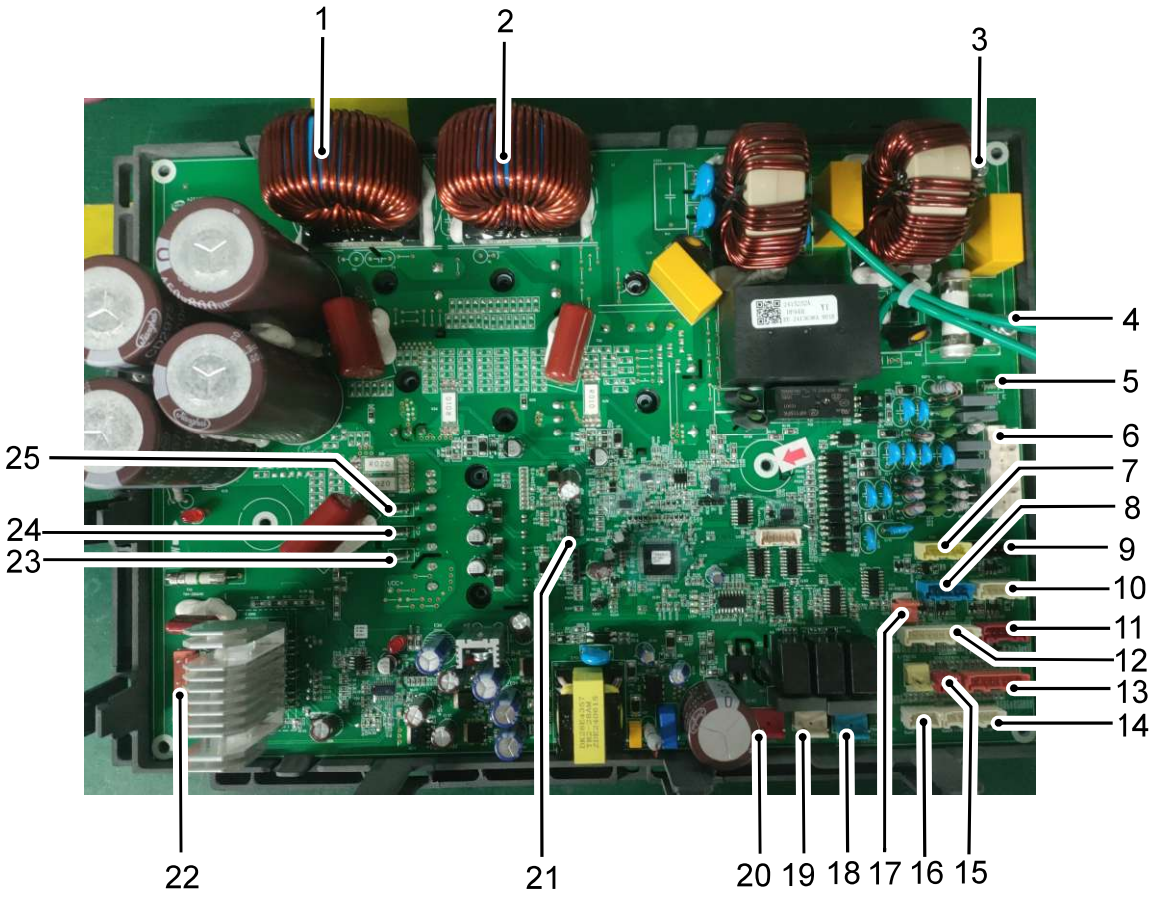


NO.	Description	NO.	Description
1	Reactor L2	12	Overheat protector
2	Reactor L1	13	GasB/LiqB/GasA/LiqA sensor
3	N-IN	14	Discharge/defrost/coil/suction/ outdoor sensor
4	L-IN	15	Base heater
5	SI-(A-D)	16	Electric heating belt
6	H-press	17	4-way valve
7	Electronic expansion value D	18	EEPROM
8	Electronic expansion value C	19	DC fan motor
9	Electronic expansion value B	20	Compressor U
10	Electronic expansion value A	21	Compressor V
11	GasD/LiqD/ GasC/LiqC sensor	22	Compressor W

4. WIRING DIAGRAM

Main control board

48K

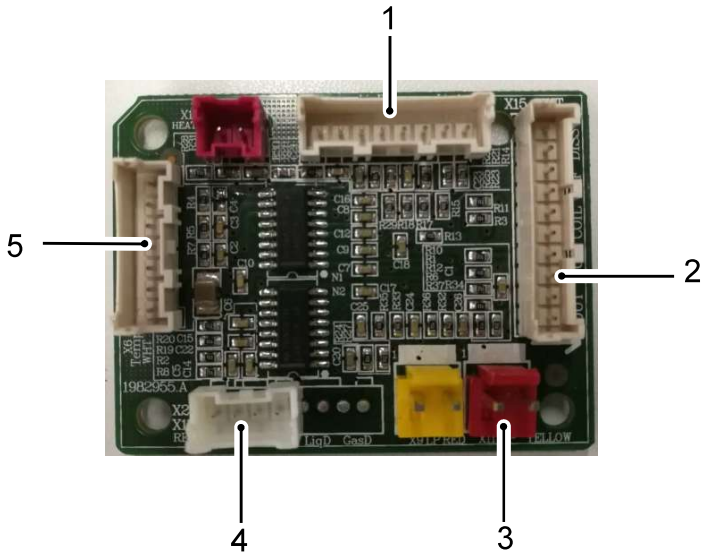


NO.	Description	NO.	Description
1	Reactor L2	14	GasB/LiqB/GasA/LiqA sensor
2	Reactor L1	15	Overheat protector
3	N-IN	16	GasE/LiqE sensor
4	L-IN	17	H-press
5	SI-E	18	Base heater
6	SI-(A-D)	19	Electric heating belt
7	Electronic expansion value E	20	4-way valve
8	Electronic expansion value D	21	EEPROM
9	Electronic expansion value C	22	DC fan motor
10	Electronic expansion value B	23	Compressor U
11	Electronic expansion value A	24	Compressor V
12	Discharge/defrost/coil/ suction/ outdoor sensor	25	Compressor W
13	GasD/LiqD/ GasC/LiqC sensor		

4. WIRING DIAGRAM

Sensor board

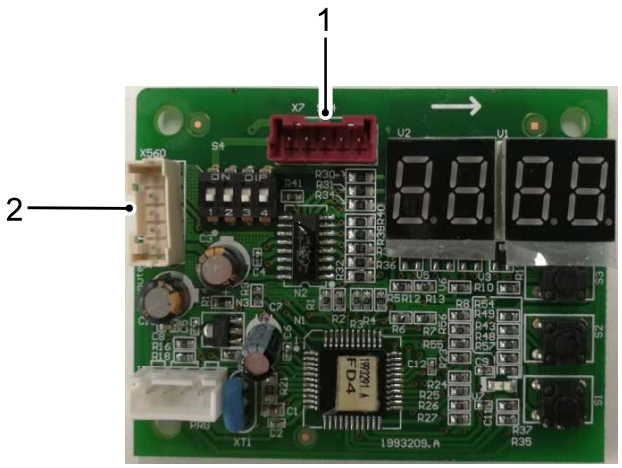
18K



NO.	Description
1	Gas B/Liquid B/Gas A/Liquid A sensor
2	Discharge Sensor/ Defrost Sensor /Coil Sensor /Suction Sensor/ Outdoor Sensor
3	High Pressure Switch
4	Liquid C/ Gas C/Liquid D/Gas D sensor (Invalid for 18K)
5	Sensor Signal to Main Board
6	Select Switch Signal to Mainboard to Indoor
7	Communication signal to main board

Maintenance board

18K/24K/36K/48K

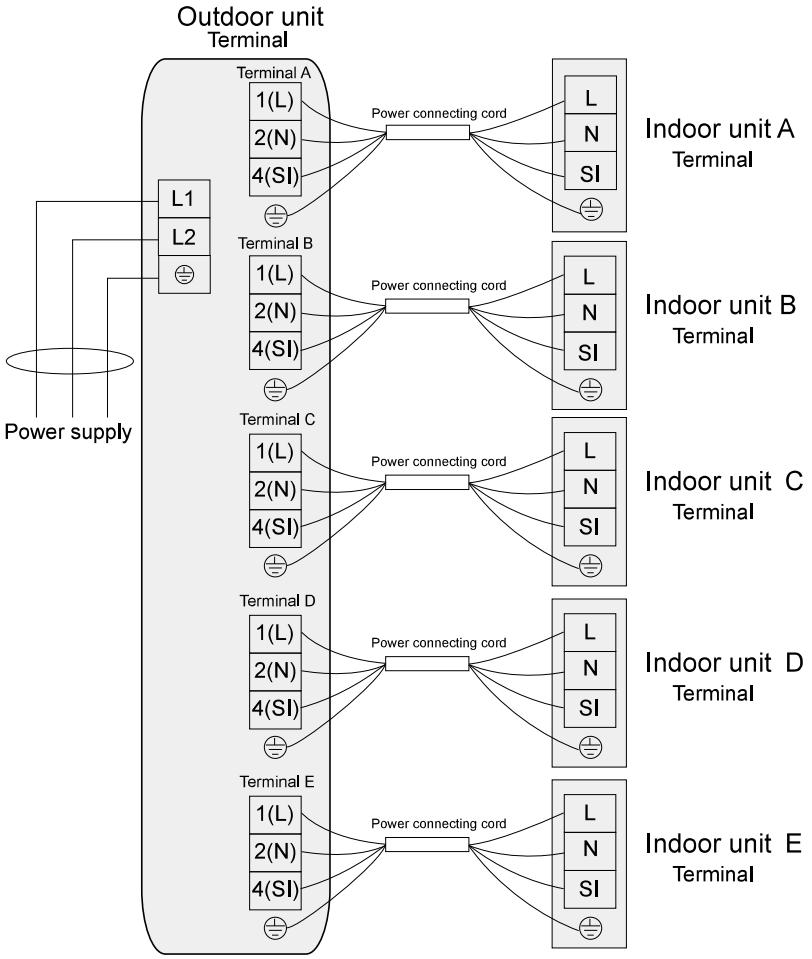


NO.	Description
1	Select Switch Signal to Mainboard to Indoor
2	Communication signal to main board

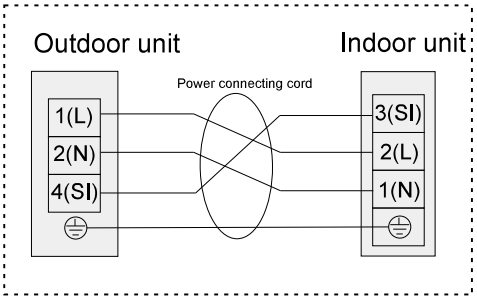
4. WIRING DIAGRAM

4.3 Common Wiring

Electrical wiring diagram



Note: For some indoor units



NOTES:

1. For 18K model, there is no INDOOR UNIT C, D and E.
2. For 24K model, there is no INDOOR UNIT D and E.
3. For 36K model, there is no INDOOR UNIT E.
4. Since there is some difference between the terminal panel in the diagram and the real one, the wire connecting operation should be done according to the letters on the panel, please neglect the numbers on it.

4. WIRING DIAGRAM

Recommended wire size

Model (Capacity: Btu/h)	Power Supply	ELB		Power Source Cable Size	Transmitting Cable Size	Circuit Breaker (A)
		Rated Current (A)	Nominal Sensitive Current (mA)			
18K	208/230V ~/60Hz	30	30	3*12AWG	4*16AWG	30
24K	208/230V ~/60Hz	40	30	3*12AWG	4*16AWG	40
36K	208/230V ~/60Hz	50	30	3*8AWG	4*16AWG	50
48K	208/230V ~/60Hz	60	30	3*8AWG	4*16AWG	60

Max. Running Current (A): REFER TO NAMEPLATE

NOTE:

- Use cooper power supply wires.
- Follow local codes and regulations when select field wires, and all the above are the minimum wire size.
- When transmitting cable length is longer than 49 ft. (15m), a larger wire size should be selected.
- Install main switch and ELB for each system separately. Select the high response type ELB that acts within 0.1second.

5. Capacities and Selection Data

5.1 Capacity Characteristic Charts

The following charts show the characteristics of outdoor unit capacity, which corresponds with the operating ambient temperature of outdoor unit.

Conditions:

① Pipe length / height difference : 25 ft. (7.5m) / 0 ft. (0m)

② Compressor at rated inverter frequency

③ Indoor fan speed at high fan speed

④ Capacity loss due to white frost and defrost operation is not included.

Remarks:

Q: Total Cooling Capacity (Gross) kW SHC: Sensible Heat Capacity (Gross) SHF: Sensible Heat Factor IPT: Power Input(including the compressor, evap. fan motor & cond. fan motor) W DB: Dry Bulb Temperature WB: Wet Bulb Temperature

5. CAPACITIES AND SELECTION DATA

18K(Up to 2 indoor units series)

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
130%	21	69.8	18	64.4	18.47	11.27	0.61	1480	18.29	11.16	0.61	1493	18.09	11.03	0.61	1507	17.86	10.89	0.61	1519	17.68	10.78	0.61	1527	17.49	10.67	0.61	1578	17.25	10.52	0.61	1647	16.94	10.33	0.61	1759	16.54	10.09	0.61	1840
	21	69.8	20	68.0	19.23	9.42	0.49	1503	19.04	9.33	0.49	1517	18.83	9.23	0.49	1531	18.59	9.11	0.49	1543	18.41	9.02	0.49	1550	18.21	8.92	0.49	1601	17.96	8.80	0.49	1671	17.64	8.64	0.49	1782	17.23	8.44	0.49	1864
	22	71.6	18	64.4	19.04	12.38	0.65	1495	18.85	12.25	0.65	1508	18.65	12.12	0.65	1522	18.41	11.97	0.65	1535	18.23	11.85	0.65	1542	18.03	11.72	0.65	1594	17.78	11.56	0.65	1664	17.46	11.35	0.65	1776	17.06	11.09	0.65	1859
	22	71.6	20	68.0	19.62	10.40	0.53	1519	19.43	10.30	0.53	1532	19.22	10.19	0.53	1546	18.97	10.06	0.53	1558	18.78	9.96	0.53	1566	18.58	9.85	0.53	1617	18.32	9.71	0.53	1688	18.00	9.54	0.53	1800	17.58	9.32	0.53	1882
	22	71.6	22	71.6	19.96	8.18	0.41	1535	19.76	8.10	0.41	1548	19.55	8.01	0.41	1562	19.29	7.91	0.41	1574	19.10	7.83	0.41	1582	18.90	7.75	0.41	1634	18.63	7.64	0.41	1704	18.31	7.51	0.41	1816	17.88	7.33	0.41	1899
	23	73.4	18	64.4	19.43	13.41	0.69	1510	19.24	13.27	0.69	1524	19.03	13.13	0.69	1538	18.78	12.96	0.69	1550	18.60	12.83	0.69	1558	18.40	12.69	0.69	1610	18.14	12.52	0.69	1681	17.82	12.30	0.69	1794	17.40	12.01	0.69	1877
	23	73.4	20	68.0	20.03	11.41	0.57	1534	19.83	11.30	0.57	1548	19.61	11.18	0.57	1562	19.36	11.03	0.57	1574	19.17	10.93	0.57	1582	18.96	10.81	0.57	1634	18.70	10.66	0.57	1705	18.37	10.47	0.57	1818	17.94	10.22	0.57	1901
	23	73.4	22	71.6	20.37	9.16	0.45	1550	20.16	9.07	0.45	1564	19.94	8.97	0.45	1578	19.69	8.86	0.45	1590	19.49	8.77	0.45	1598	19.28	8.68	0.45	1650	19.02	8.56	0.45	1721	18.68	8.41	0.45	1835	18.24	8.21	0.45	1918
	24	75.2	18	64.4	19.83	14.47	0.73	1525	19.63	14.33	0.73	1539	19.42	14.17	0.73	1553	19.17	13.99	0.73	1566	18.98	13.85	0.73	1574	18.77	13.70	0.73	1626	18.51	13.51	0.73	1698	18.18	13.27	0.73	1812	17.76	12.96	0.73	1896
	24	75.2	20	68.0	20.43	12.46	0.61	1549	20.23	12.34	0.61	1563	20.01	12.21	0.61	1577	19.75	12.05	0.61	1590	19.56	11.93	0.61	1598	19.35	11.80	0.61	1650	19.08	11.64	0.61	1722	18.74	11.43	0.61	1837	18.30	11.16	0.61	1921
	24	75.2	22	71.6	20.78	10.18	0.49	1566	20.58	10.08	0.49	1580	20.35	9.97	0.49	1594	20.09	9.84	0.49	1606	19.89	9.75	0.49	1614	19.67	9.64	0.49	1667	19.40	9.51	0.49	1738	19.06	9.34	0.49	1853	18.61	9.12	0.49	1937
	24	75.2	24	75.2	21.07	7.80	0.37	1585	20.86	7.72	0.37	1599	20.64	7.64	0.37	1613	20.37	7.54	0.37	1626	20.17	7.46	0.37	1634	19.95	7.38	0.37	1686	19.67	7.28	0.37	1758	19.33	7.15	0.37	1873	18.87	6.98	0.37	1957
	25	77.0	18	64.4	20.44	15.74	0.77	1541	20.24	15.58	0.77	1555	20.02	15.41	0.77	1569	19.76	15.22	0.77	1582	19.56	15.06	0.77	1590	19.35	14.90	0.77	1642	19.08	14.70	0.77	1715	18.75	14.44	0.77	1831	18.31	14.10	0.77	1915
	25	77.0	20	68.0	21.07	13.69	0.65	1565	20.86	13.56	0.65	1579	20.63	13.41	0.65	1593	20.37	13.24	0.65	1606	20.16	13.11	0.65	1614	19.94	12.96	0.65	1667	19.67	12.78	0.65	1739	19.32	12.56	0.65	1855	18.87	12.26	0.65	1940
	25	77.0	22	71.6	21.42	11.35	0.53	1582	21.21	11.24	0.53	1596	20.98	11.12	0.53	1610	20.71	10.98	0.53	1623	20.51	10.87	0.53	1631	20.28	10.75	0.53	1684	20.00	10.60	0.53	1756	19.65	10.41	0.53	1872	19.19	10.17	0.53	1957
	25	77.0	24	75.2	21.72	8.91	0.41	1601	21.51	8.82	0.41	1615	21.27	8.72	0.41	1630	21.00	8.61	0.41	1642	20.79	8.53	0.41	1650	20.57	8.43	0.41	1703	20.28	8.32	0.41	1776	19.92	8.17	0.41	1892	19.46	7.98	0.41	1976
	26	78.8	18	64.4	21.07	17.07	0.81	1556	20.86	16.90	0.81	1570	20.64	16.72	0.81	1585	20.37	16.50	0.81	1598	20.17	16.34	0.81	1606	19.95	16.16	0.81	1659	19.68	15.94	0.81	1732	19.33	15.65	0.81	1849	18.87	15.29	0.81	1935
	26	78.8	20	68.0	21.72	14.98	0.69	1581	21.50	14.84	0.69	1595	21.27	14.68	0.69	1609	21.00	14.49	0.69	1622	20.79	14.34	0.69	1630	20.56	14.19	0.69	1684	20.28	13.99	0.69	1757	19.92	13.74	0.69	1874	19.45	13.42	0.69	1960
	26	78.8	22	71.6	22.09	12.59	0.57	1598	21.87	12.46	0.57	1612	21.63	12.33	0.57	1626	21.35	12.17	0.57	1639	21.14	12.05	0.57	1647	20.91	11.92	0.57	1701	20.62	11.75	0.57	1774	20.26	11.55	0.57	1891	19.78	11.28	0.57	1976
	26	78.8	24	75.2	22.40	10.08	0.45	1617	22.17	9.98	0.45	1632	21.93	9.87	0.45	1646	21.65	9.74	0.45	1659	21.44	9.65	0.45	1667	21.20	9.54	0.45	1720	20.91	9.41	0.45	1794	20.54	9.24	0.45	1911	20.06	9.03	0.45	1996
	26	78.8	26	78.8	22.75	7.51	0.33	1640	22.53	7.43	0.33	1654	22.28	7.35	0.33	1669	22.00	7.26	0.33	1682	21.78	7.19	0.33	1690	21.54	7.11	0.33	1743	21.25	7.01	0.33	1816	20.87	6.89	0.33	1933	20.38	6.73	0.33	2019
	27	80.6	18	64.4	21.50	18.28	0.85	1572	21.29	18.10	0.85	1586	21.06	17.90	0.85	1601	20.79	17.67	0.85	1614	20.58	17.49	0.85	1622	20.36	17.30	0.85	1676	20.08	17.07	0.85	1750	19.72	16.76	0.85	1868	19.26	16.37	0.85	1954
	27	80.6	19	66.2	21.94	17.33	0.79	1582	21.72	17.16	0.79	1596	21.49	16.98	0.79	1611	21.21	16.76	0.79	1624	21.00	16.59	0.79	1632	20.77	16.41	0.79	1686	20.49	16.18	0.79	1760	20.12	15.90	0.79	1878	19.65	15.53	0.79	1964
	27	80.6	20	68.0	22.16	16.18	0.73	1597	21.94	16.02	0.73	1611	21.70	15.84	0.73	1626	21.42	15.64	0.73	1639	21.21	15.48	0.73	1647	20.98	15.32	0.73	1701	20.69	15.10	0.73	1775	20.33	14.84	0.73	1893	19.85	14.49	0.73	1979
	27	80.6	22	71.6	22.54	13.75	0.61	1614	22.31	13.61	0.61	1628	22.07	13.46	0.61	1643	21.79	13.29	0.61	1656	21.57	13.16	0.61	1664	21.34	13.02	0.61	1718	21.04	12.84	0.61	1792	20.67	12.61	0.61	1910	20.19	12.31	0.61	1996
	27	80.6	24	75.2	22.85	11.20	0.49	1634	22.63	11.09	0.49	1648	22.38	10.97	0.49	1663	22.09	10.83	0.49	1676	21.87	10.72	0.49	1684	21.64	10.60	0.49	1738	21.34	10.46	0.49	1812	20.96	10.27	0.49	1930	20.47	10.03	0.49	2016
	27	80.6	26	78.8	23.22	8.59	0.37	1657	22.99	8.51	0.37	1671	22.74	8.41	0.37	1686	22.45	8.31	0.37	1699	22.22	8.22	0.37	1707	21.98	8.13	0.37	1761	21.68	8.02	0.37	1835	21.30	7.88	0.37	1953	20.80	7.69	0.37	2039
	28	82.4	18	64.4	21.72	19.33	0.89	1588	21.50	19.14	0.89	1602	21.27	18.93	0.89	1617	21.00	18.69	0.89	1630	20.79	18.50	0.89	1638	20.56	18.30	0.89	1692	20.28	18.05	0.89	1767	19.92	17.73	0.89	1887	19.45	17.31	0.89	1974
	28	82.4	20	68.0	22.16	17.06	0.77	1613	21.94	16.89	0.77	1627	21.70	16.71	0.77	1642	21.42	16.50	0.77	1655	21.21	16.33	0.77	1663	20.98	16.16	0.77	1718	20.69	15.93	0.77	1792	20.33	15.65	0.77	1912	19.85	15.28	0.77	1999
	28	82.4	22	71.6	22.38	14.55	0.65	1630	22.16	14.40	0.65	1644	21.92	14.25	0.65	1659	21.64	14.06	0.65	1672	21.42	13.93	0.65	1680	21.19	13.77	0.65	1735	20.90	13.58	0.65	1810	20.53	13.34	0.65	1929	20.05	13.03	0.65	2016
	28	82.4	24	75.2	22.76	12.06	0.53	1650	22.54	11.94	0.53	1665	22.29	11.81	0.53	1679	22.01	11.66	0.53	1692	21.79	11.55	0.53	1701	21.55	11.42	0.53	1755	21.25	11.26	0.53	1830	20.88	11.07	0.53	1949	20.39	10.81	0.53	2037
	28	82.4	26	78.8	23.08	9.46	0.41	1673	22.85	9.37	0.41	1688	22.60	9.27	0.41	1703	22.31	9.15	0.41	1716	22.09	9.06	0.41	1724	21.85	8.96	0.41	1778	21.55	8.84	0.41	1853	21.17	8.68	0.41	1972	20.67	8.48	0.41	2060
	29	84.2	18	64.4	21.93	19.96	0.91	1603	21.72	19.76	0.91	1618	21.48	19.55	0.91	1633	21.21	19.30	0.91	1646	21.00	19.11	0.91	1654	20.77	18.90	0.91	1709	20.48	18.64	0.91	1785	20.12	18.31	0.91	1906	19.65	17.88	0.91	1994
	29	84.2	20	68.0	22.38	18.13	0.81	1629	22.16	17.95	0.81	1644	21.92	17.75	0.81	1658	21.64	17.53	0.81	1672	21.42	17.35	0.81	1680	21.19	17.16	0.81	1735	20.90	16.93	0.81	1810	20.53	16.63	0.81	1931	20.05	16.24	0.81	2019
	29	84.2	22	71.6	22.83	15.75	0.69	1646	22.60	15.60	0.69	1661	22.36	15.43	0.69	1676	22.07	15.23	0.69	1689	21.85	15.08	0.69	1697	21.61	14.91	0.69	1752	21.32	14.71	0.69	1828	20.94	14.45	0.69	1948	20.45	14.11	0.69	2037
	29	84.2	24	75.2	22.99	13.10	0.57	1667	22.76	12.97	0.57	1681	22.51	12.83	0.57	1696	22.23	12.67	0.57	1709	22.01	12.54	0.57	1718	21.77	12.41	0.57	1773	21.47	12.24	0.57	1848	21.09	12.02	0.57	1969	20.59	11.74	0.57	2057
	29	84.2	26	78.8	23.31	10.49	0.45	1690	23.08	10.39	0.45	1705	22.83	10.27	0.45	1720	22.54	10.14	0.45	1733	22.31	10.04	0.45	1741	22.07	9.93	0.45	1796	21.77	9.79	0.45	1872	21.38	9.62	0.45	1992	20.88	9.40	0.45	2080
	30	86.0	18	64.4	22.15	20.16	0.91	1619	21.93	19.96	0.91	1634	21.70	19.74	0.91	1649	21.42	19.49	0.91	1663	21.21	19.30	0.91	1671	20.97	19.09	0.91	1727	20.68	18.82	0.91	1803	20.32	18.49	0.91	1925	19.84	18.06	0.91	2014
	30	86.0	20	68.0	22.61	19.21	0.85	1645	22.38	19.02	0.85	1660	22.14	18.82	0.85	1675	21.85	18.58	0.85	1688	21.64	18.39	0.85	1697	21.40	18.19	0.85	1752	21.11	17.94	0.85	1828	20.73	17.62	0.85	1950	20.25	17.21	0.85	2039
	30	86.0	22	71.6	23.06	16.83	0.73	1663	22.83	16.67	0.73	1677	22.58	16.48	0.73	1692	22.29	16.27	0.73	1706	22.07	16.11	0.73	1714	21.83	15.94	0.73	1770	21.53	15.72	0.73	1846	21.15	15.44	0.73	1968	20.65	15.08	0.73	2057
	30	86.0	24	75.2	23.22	14.16	0.61	1683	22.99	14.02	0.61	1698	22.74	13.87	0.61	1713	22.45	13.69	0.61	1726	22.23	13.56	0.61	1735	21.98	13.41	0.61	1790	21.68	13.23	0.61	1867	21.30	12.99	0.61	1988	20.80	12.69	0.61	2077
	30	86.0	26	78.8	23.55	11.54	0.49	1707	23.31	11.42	0.49	1722	23.06	11.30	0.49	1737	22.76	11.15	0.49	1750	22.54	11.04	0.49	1759	22.29	10.92	0.49	1814	21.98	10.77	0.49	1890	21.60	10.58	0.49	2012	21.09	10.33	0.49	2101
	31	87.8	18	64.4	22.38	20.36	0.91	1636	22.15	20.16	0.91	1651	21.91	19.94	0.91	1666	21.63	19.68	0.91	1679	21.42	19.49	0.91	1688	21.18	19.28	0.91	1744	20.89	19.01	0.91	1821	20.52	18.68	0.91	1944	20.04	18.24	0.91	2034
	31	87.8	20	68.0	22.83	20.32	0.89	1662	22.61	20.12	0.89	1677	22.36	19.90	0.89	1692	22.07	19.64	0.89	1705	21.85	19.45	0.89	1714	21.62	19.24	0.89	1770	21.32	18.97	0.89	1847	20.94	18.64	0.89	1970	20.45	18.20	0.89	2060
	31	87.8	22	71.6	23.29	17.93	0.77	1679	23.06	17.75	0.77	1694	22.81	17.56	0.77	1709	22.51	17.34	0.77	1723	22.29	17.16	0.77	1731	22.05	16.98	0.77	1787	21.74	16.74	0.77	1864	21.36	16.45	0.77	1988	20.86	16.06	0.77	2077
	31	87.8	24	75.2	23.45	15.24	0.65	1700	23.22	15.09	0.65	1715	22.97	14.93	0.65	1730	22.67	14.74	0.65	1744	22.45	14.59	0.65	1752	22.20	14.43	0.65	1808	21.90	14.23	0.65	1885	21.51	13.98	0.65	2008	21.01	13.65	0.65	2098
	31	87.8	26	78.8	23.78	12.60	0.53	1724	23.55	12.48	0.53	1739	23.29	12.34	0.53	1754	22.99	12.18	0.53	1768	22.76	12.06	0.53	1776	22.51	11.93	0.53	1832	22.20	11.77	0.53	1909	21.81	11.56	0.53	2032	21.30	11.29	0.53	2122
	32	89.6	18	64.4	22.60	20.57	0.91	1652	22.38	20.36	0.91	1667	22.13	20.14	0.91	1682	21.85	19.88	0.91	1696	21.63	19.68	0.91	1705	21.40	19.47	0.91	1761	21.10	19.20	0.91	1839	20.73	18.86	0.91	1963	20.24	18.42	0.91	2054
	32	89.6	20	68.0	23.06	20.98	0.91	1678	22.83	20.78	0.91	1693	22.58	20.55	0.91	1709	22.29	20.29	0.91	1722	22.07	20.09	0.91	1731	21.83	19.87	0.91	1787	21.53	19.59	0.91	1865	21.15	19.25	0.91	1990	20.65	18.80	0.91	2080
	32	89.6	22	71.6	23.52	19.05	0.81	1696	23.29	18.86	0.81	1711	23.04	18.66	0.81	1726	22.74	18.42	0.81	1740	22.51	18.24	0.81	1749	22.27	18.04	0.81	1805	21.96	17.79	0.81	1883	21.57	17.47	0.81	2007	21.07	17.07	0.81	2098
	32	89.6	24	75.2	23.69	16.34	0.69	1717	23.45	16.18	0.69	1732	23.20	16.01	0.69	1747	22.90	15.80	0.69	1761	22.67	15.64	0.69	1770	22.43	15.47	0.69	1826	22.12	15.26	0.69	1904	21.73	14.99	0.69	2028	21.22	14.64	0.69	2119
	32	89.6	26	78.8	24.02	13.69	0.57	1741	23.78	13.55	0.57	1756	23.52	13.41	0.57	1772	23.22	13.24	0.57	1785	22.99	13.10	0.57	1794	22.74	12.96	0.57	1851	22.43	12.78	0.57	1928	22.03	12.56	0.57	2053	21.51	12.26	0.57	2143

5. CAPACITIES AND SELECTION DATA

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)				53.8(128.8F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
130%	21	69.8	18	64.4	16.06	9.80	0.61	1909	14.78	9.01	0.61	2005	14.63	8.92	0.61	2025	12.07	7.36	0.61	2102	11.71	7.14	0.61	2117	10.42	6.36	0.61	2160	10.00	6.10	0.61	2181	9.50	5.80	0.61	2225	8.93	5.45	0.61	2270
	21	69.8	20	68.0	16.72	8.19	0.49	1933	15.39	7.54	0.49	2029	15.23	7.46	0.49	2049	12.57	6.16	0.49	2126	12.19	5.97	0.49	2141	10.85	5.32	0.49	2183	10.41	5.10	0.49	2205	9.89	4.85	0.49	2249	9.30	4.56	0.49	2294
	22	71.6	18	64.4	16.56	10.76	0.65	1928	15.23	9.90	0.65	2025	15.08	9.80	0.65	2046	12.44	8.09	0.65	2124	12.07	7.84	0.65	2139	10.74	6.98	0.65	2182	10.31	6.70	0.65	2204	9.80	6.37	0.65	2248	9.21	5.99	0.65	2293
	22	71.6	20	68.0	17.07	9.04	0.53	1952	15.70	8.32	0.53	2049	15.54	8.24	0.53	2069	12.82	6.80	0.53	2147	12.44	6.59	0.53	2162	11.07	5.87	0.53	2205	10.63	5.63	0.53	2227	10.10	5.35	0.53	2272	9.49	5.03	0.53	2317
	22	71.6	22	71.6	17.36	7.12	0.41	1968	15.97	6.55	0.41	2065	15.81	6.48	0.41	2086	13.04	5.35	0.41	2164	12.65	5.19	0.41	2179	11.26	4.62	0.41	2222	10.81	4.43	0.41	2243	10.27	4.21	0.41	2288	9.65	3.96	0.41	2333
	23	73.4	18	64.4	16.90	11.66	0.69	1948	15.54	10.73	0.69	2046	15.39	10.62	0.69	2066	12.70	8.76	0.69	2145	12.32	8.50	0.69	2160	10.96	7.56	0.69	2204	10.52	7.26	0.69	2226	10.00	6.90	0.69	2270	9.40	6.48	0.69	2316
	23	73.4	20	68.0	17.41	9.93	0.57	1972	16.02	9.13	0.57	2070	15.86	9.04	0.57	2090	13.08	7.46	0.57	2169	12.69	7.23	0.57	2184	11.30	6.44	0.57	2228	10.84	6.18	0.57	2250	10.30	5.87	0.57	2294	9.68	5.52	0.57	2340
	23	73.4	22	71.6	17.71	7.97	0.45	1988	16.29	7.33	0.45	2086	16.13	7.26	0.45	2107	13.31	5.99	0.45	2186	12.91	5.81	0.45	2201	11.49	5.17	0.45	2244	11.03	4.96	0.45	2266	10.48	4.71	0.45	2311	9.85	4.43	0.45	2356
	24	75.2	18	64.4	17.24	12.59	0.73	1968	15.86	11.58	0.73	2066	15.70	11.46	0.73	2087	12.96	9.46	0.73	2167	12.57	9.17	0.73	2182	11.18	8.16	0.73	2226	10.74	7.84	0.73	2248	10.20	7.45	0.73	2293	9.59	7.00	0.73	2339
	24	75.2	20	68.0	17.77	10.84	0.61	1992	16.35	9.97	0.61	2091	16.18	9.87	0.61	2111	13.35	8.14	0.61	2191	12.95	7.90	0.61	2206	11.53	7.03	0.61	2250	11.07	6.75	0.61	2273	10.51	6.41	0.61	2318	9.88	6.03	0.61	2364
	24	75.2	22	71.6	18.07	8.85	0.49	2008	16.63	8.15	0.49	2107	16.46	8.07	0.49	2128	13.58	6.65	0.49	2208	13.17	6.45	0.49	2223	11.72	5.74	0.49	2267	11.25	5.51	0.49	2289	10.69	5.24	0.49	2334	10.05	4.92	0.49	2380
	24	75.2	24	75.2	18.32	6.78	0.37	2028	16.86	6.24	0.37	2127	16.69	6.18	0.37	2147	13.77	5.09	0.37	2227	13.36	4.94	0.37	2242	11.89	4.40	0.37	2286	11.41	4.22	0.37	2308	10.84	4.01	0.37	2354	10.19	3.77	0.37	2400
	25	77.0	18	64.4	17.77	13.69	0.77	1987	16.35	12.59	0.77	2087	16.19	12.47	0.77	2108	13.36	10.28	0.77	2189	12.96	9.98	0.77	2204	11.53	8.88	0.77	2248	11.07	8.52	0.77	2271	10.52	8.10	0.77	2317	9.88	7.61	0.77	2363
	25	77.0	20	68.0	18.32	11.91	0.65	2012	16.85	10.95	0.65	2112	16.68	10.85	0.65	2133	13.76	8.95	0.65	2213	13.35	8.68	0.65	2229	11.88	7.72	0.65	2273	11.41	7.42	0.65	2295	10.84	7.04	0.65	2341	10.19	6.62	0.65	2388
	25	77.0	22	71.6	18.63	9.87	0.53	2029	17.14	9.08	0.53	2128	16.97	8.99	0.53	2149	14.00	7.42	0.53	2230	13.58	7.20	0.53	2245	12.09	6.41	0.53	2290	11.60	6.15	0.53	2312	11.02	5.84	0.53	2358	10.36	5.49	0.53	2404
	25	77.0	24	75.2	18.89	7.75	0.41	2048	17.38	7.13	0.41	2148	17.21	7.05	0.41	2169	14.19	5.82	0.41	2249	13.77	5.65	0.41	2265	12.25	5.02	0.41	2309	11.76	4.82	0.41	2332	11.18	4.58	0.41	2377	10.51	4.31	0.41	2424
	26	78.8	18	64.4	18.32	14.84	0.81	2007	16.86	13.66	0.81	2108	16.69	13.52	0.81	2130	13.77	11.15	0.81	2211	13.36	10.82	0.81	2226	11.89	9.63	0.81	2271	11.41	9.24	0.81	2294	10.84	8.78	0.81	2340	10.19	8.25	0.81	2387
	26	78.8	20	68.0	18.89	13.03	0.69	2032	17.37	11.99	0.69	2133	17.20	11.87	0.69	2154	14.19	9.79	0.69	2236	13.76	9.50	0.69	2251	12.25	8.45	0.69	2296	11.76	8.11	0.69	2319	11.17	7.71	0.69	2365	10.50	7.25	0.69	2412
	26	78.8	22	71.6	19.21	10.95	0.57	2049	17.67	10.07	0.57	2150	17.49	9.97	0.57	2171	14.43	8.23	0.57	2252	14.00	7.98	0.57	2268	12.46	7.10	0.57	2313	11.96	6.82	0.57	2335	11.36	6.48	0.57	2382	10.68	6.09	0.57	2429
	26	78.8	24	75.2	19.48	8.76	0.45	2069	17.92	8.06	0.45	2170	17.74	7.98	0.45	2191	14.63	6.59	0.45	2272	14.19	6.39	0.45	2288	12.63	5.69	0.45	2332	12.13	5.46	0.45	2355	11.52	5.18	0.45	2401	10.83	4.87	0.45	2448
	26	78.8	26	78.8	19.79	6.53	0.33	2092	18.20	6.01	0.33	2192	18.02	5.95	0.33	2214	14.87	4.91	0.33	2295	14.42	4.76	0.33	2311	12.84	4.24	0.33	2355	12.32	4.07	0.33	2378	11.71	3.86	0.33	2424	11.00	3.63	0.33	2471
	27	80.6	18	64.4	18.70	15.89	0.85	2028	17.20	14.62	0.85	2130	17.03	14.48	0.85	2151	14.05	11.94	0.85	2233	13.63	11.58	0.85	2249	12.13	10.31	0.85	2294	11.64	9.90	0.85	2317	11.06	9.40	0.85	2364	10.40	8.84	0.85	2411
	27	80.6	19	66.2	19.08	15.07	0.79	2038	17.55	13.87	0.79	2140	17.38	13.73	0.79	2161	14.34	11.33	0.79	2243	13.91	10.99	0.79	2259	12.38	9.78	0.79	2304	11.88	9.39	0.79	2327	11.29	8.92	0.79	2374	10.61	8.38	0.79	2421
	27	80.6	20	68.0	19.27	14.07	0.73	2053	17.73	12.94	0.73	2155	17.55	12.81	0.73	2176	14.48	10.57	0.73	2258	14.05	10.25	0.73	2274	12.50	9.13	0.73	2319	12.00	8.76	0.73	2342	11.40	8.32	0.73	2389	10.72	7.82	0.73	2436
	27	80.6	22	71.6	19.60	11.96	0.61	2070	18.03	11.00	0.61	2172	17.85	10.89	0.61	2193	14.73	8.98	0.61	2275	14.28	8.71	0.61	2291	12.71	7.76	0.61	2336	12.20	7.44	0.61	2359	11.59	7.07	0.61	2406	10.90	6.65	0.61	2453
	27	80.6	24	75.2	19.87	9.74	0.49	2090	18.28	8.96	0.49	2192	18.10	8.87	0.49	2213	14.93	7.32	0.49	2295	14.48	7.10	0.49	2311	12.89	6.32	0.49	2356	12.38	6.06	0.49	2379	11.76	5.76	0.49	2426	11.05	5.42	0.49	2473
	27	80.6	26	78.8	20.19	7.47	0.37	2113	18.58	6.87	0.37	2215	18.39	6.80	0.37	2236	15.17	5.61	0.37	2318	14.72	5.45	0.37	2334	13.10	4.85	0.37	2379	12.57	4.65	0.37	2402	11.94	4.42	0.37	2449	11.23	4.15	0.37	2496
	28	82.4	18	64.4	18.89	16.81	0.89	2048	17.37	15.46	0.89	2151	17.20	15.31	0.89	2173	14.19	12.63	0.89	2255	13.76	12.25	0.89	2271	12.25	10.90	0.89	2317	11.76	10.47	0.89	2340	11.17	9.94	0.89	2387	10.50	9.35	0.89	2435
	28	82.4	20	68.0	19.27	14.84	0.77	2073	17.73	13.65	0.77	2176	17.55	13.51	0.77	2198	14.48	11.15	0.77	2281	14.05	10.82	0.77	2297	12.50	9.63	0.77	2342	12.00	9.24	0.77	2365	11.40	8.78	0.77	2413	10.72	8.25	0.77	2460
	28	82.4	22	71.6	19.46	12.65	0.65	2090	17.91	11.64	0.65	2193	17.73	11.52	0.65	2215	14.63	9.51	0.65	2298	14.19	9.22	0.65	2314	12.63	8.21	0.65	2359	12.12	7.88	0.65	2383	11.51	7.48	0.65	2430	10.82	7.04	0.65	2478
	28	82.4	24	75.2	19.79	10.49	0.53	2111	18.21	9.65	0.53	2214	18.03	9.56	0.53	2235	14.87	7.88	0.53	2318	14.43	7.65	0.53	2334	12.84	6.81	0.53	2380	12.33	6.53	0.53	2403	11.71	6.21	0.53	2450	11.01	5.83	0.53	2498
	28	82.4	26	78.8	20.07	8.23	0.41	2134	18.47	7.57	0.41	2237	18.28	7.50	0.41	2258	15.08	6.18	0.41	2341	14.63	6.00	0.41	2357	13.02	5.34	0.41	2403	12.50	5.12	0.41	2426	11.87	4.87	0.41	2473	11.16	4.58	0.41	2521
	29	84.2	18	64.4	19.07	17.36	0.91	2069	17.55	15.97	0.91	2172	17.37	15.81	0.91	2194	14.33	13.04	0.91	2278	13.90	12.65	0.91	2294	12.37	11.26	0.91	2340	11.88	10.81	0.91	2364	11.28	10.27	0.91	2411	10.61	9.65	0.91	2460
	29	84.2	20	68.0	19.46	15.77	0.81	2094	17.91	14.50	0.81	2198	17.73	14.36	0.81	2220	14.63	11.85	0.81	2304	14.19	11.49	0.81	2320	12.63	10.23	0.81	2366	12.12	9.82	0.81	2389	11.51	9.33	0.81	2437	10.82	8.77	0.81	2485
	29	84.2	22	71.6	19.85	13.70	0.69	2111	18.26	12.60	0.69	2215	18.08	12.48	0.69	2237	14.92	10.29	0.69	2321	14.47	9.98	0.69	2337	12.88	8.89	0.69	2383	12.36	8.53	0.69	2406	11.75	8.10	0.69	2454	11.04	7.62	0.69	2502
	29	84.2	24	75.2	19.99	11.40	0.57	2132	18.39	10.48	0.57	2236	18.21	10.38	0.57	2258	15.02	8.56	0.57	2341	14.57	8.31	0.57	2357	12.97	7.39	0.57	2403	12.45	7.10	0.57	2427	11.83	6.74	0.57	2474	11.12	6.34	0.57	2523
	29	84.2	26	78.8	20.27	9.12	0.45	2155	18.65	8.39	0.45	2259	18.46	8.31	0.45	2281	15.23	6.85	0.45	2365	14.78	6.65	0.45	2381	13.15	5.92	0.45	2427	12.62	5.68	0.45	2450	11.99	5.40	0.45	2498	11.27	5.07	0.45	2546
	30	86.0	18	64.4	19.26	17.53	0.91	2089	17.72	16.13	0.91	2194	17.55	15.97	0.91	2216	14.48	13.17	0.91	2301	14.04	12.78	0.91	2317	12.50	11.37	0.91	2364	12.00	10.92	0.91	2387	11.40	10.37	0.91	2435	10.71	9.75	0.91	2484
	30	86.0	20	68.0	19.66	16.71	0.85	2115	18.09	15.37	0.85	2220	17.90	15.22	0.85	2242	14.77	12.56	0.85	2327	14.33	12.18	0.85	2343	12.75	10.84	0.85	2389	12.24	10.41	0.85	2413	11.63	9.89	0.85	2461	10.93	9.29	0.85	2510
	30	86.0	22	71.6	20.05	14.64	0.73	2132	18.45	13.47	0.73	2237	18.26	13.33	0.73	2259	15.07	11.00	0.73	2344	14.61	10.67	0.73	2360	13.01	9.50	0.73	2407	12.49	9.12	0.73	2431	11.86	8.66	0.73	2479	11.15	8.14	0.73	2527
	30	86.0	24	75.2	20.19	12.32	0.61	2153	18.58	11.33	0.61	2258	18.39	11.22	0.61	2280	15.17	9.26	0.61	2365	14.72	8.98	0.61	2381	13.10	7.99	0.61	2427	12.57	7.67	0.61	2451	11.95	7.29	0.61	2499	11.23	6.85	0.61	2548
	30	86.0	26	78.8	20.47	10.03	0.49	2177	18.84	9.23	0.49	2282	18.65	9.14	0.49	2304	15.39	7.54	0.49	2388	14.92	7.31	0.49	2405	13.28	6.51	0.49	2451	12.75	6.25	0.49	2475	12.11	5.94	0.49	2523	11.39	5.58	0.49	2572
	31	87.8	18	64.4	19.46	17.71	0.91	2110	17.90	16.29	0.91	2216	17.72	16.13	0.91	2238	14.62	13.30	0.91	2324	14.18	12.91	0.91	2340	12.62	11.49	0.91	2387	12.12	11.03	0.91	2411	11.51	10.48	0.91	2460	10.82	9.85	0.91	2509
	31	87.8	20	68.0	19.85	17.67	0.89	2136	18.27	16.26	0.89	2242	18.08	16.09	0.89	2264	14.92	13.28	0.89	2350	14.47	12.88	0.89	2366	12.88	11.46	0.89	2413	12.36	11.00	0.89	2437	11.75	10.45	0.89	2486	11.04	9.83	0.89	2535
	31	87.8	22	71.6	20.25	15.59	0.77	2154	18.63	14.35	0.77	2260	18.45	14.20	0.77	2282	15.22	11.72	0.77	2368	14.76	11.37	0.77	2384	13.14	10.12	0.77	2431	12.61	9.71	0.77	2455	11.98	9.23	0.77	2503	11.26	8.67	0.77	2553
	31	87.8	24	75.2	20.39	13.26	0.65	2175	18.76	12.20	0.65	2281	18.58	12.07	0.65	2303	15.32	9.96	0.65	2388	14.86	9.66	0.65	2405	13.23	8.60	0.65	2452	12.70	8.26	0.65	2476	12.07	7.84	0.65	2524	11.34	7.37	0.65	2574
	31	87.8	26	78.8	20.68	10.96	0.53	2199	19.03	10.08	0.53	2305	18.84	9.98	0.53	2327	15.54	8.24	0.53	2412	15.07	7.99	0.53	2429	13.41	7.11	0.53	2476	12.88	6.83	0.53	2500	12.23	6.48	0.53	2548	11.50	6.10	0.53	2597
	32	89.6	18	64.4	19.65	17.88	0.91	2131	18.08	16.45	0.91	2238	17.90	16.29	0.91	2261	14.77	13.44	0.91	2347	14.32	13.03	0.91	2364	12.75	11.60	0.91	2411	12.24	11.14	0.91	2435	11.63	10.58	0.91	2484	10.93	9.95	0.91	2534
	32	89.6	20	68.0	20.05	18.25	0.91	2157	18.45	16.79	0.91	2265	18.26	16.62	0.91	2287	15.07	13.71	0.91	2373	14.62	13.30	0.91	2390	13.01	11.84	0.91	2437	12.49	11.36	0.91	2462	11.86	10.80	0.91	2510	11.15	10.15	0.91	2560
	32	89.6	22	71.6	20.45	16.57	0.81	2175	18.82	15.24	0.81	2282	18.63	15.09	0.81	2305	15.37	12.45	0.81	2391	14.91	12.08	0.81	2408	13.27	10.75	0.81	2455	12.74	10.32	0.81	2479	12.10	9.80	0.81	2528	11.37	9.21	0.81	2578
	32	89.6	24	75.2	20.60	14.21	0.69	2196	18.95	13.08	0.69	2303	18.76	12.94	0.69	2326	15.48	10.68	0.69	2412	15.01	10.36	0.69	2429	13.36	9.22	0.69	2476	12.83	8.85	0.69	2500	12.19	8.41	0.69	2549	11.45	7.90	0.69	2599
	32	89.6	26	78.8	20.89	11.91	0.57	2221	19.22	10.95	0.57	2328	19.02	10.84	0.57	2350	15.69	8.95	0.57	2436	15.22	8.68	0.57	2453	13.55	7.72	0.57	2500	13.01	7.41	0.57	2525	12.36	7.04	0.57	2574	11.62	6.62	0.57	2623

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
120%	21	69.8	18	64.4	18.30	11.16	0.61	1466	18.11	11.05	0.61	1479	17.92	10.93	0.61	1492	17.69	10.79	0.61	1505	17.51	10.68	0.61	1512	17.32	10.57	0.61	1562	17.08	10.42	0.61	1631	16.78	10.24	0.61	1742	16.39	10.00	0.61	1822
	21	69.8	20	68.0	19.05	9.33	0.49	1489	18.86	9.24	0.49	1502	18.66	9.14	0.49	1516	18.42	9.02	0.49	1528	18.23	8.94	0.49	1536	18.04	8.84	0.49	1586	17.79	8.72	0.49	1655	17.47	8.56	0.49	1765	17.06	8.36	0.49	1846
	22	71.6	18	64.4	18.86	12.26	0.65	1480	18.68	12.14	0.65	1494	18.47	12.01	0.65	1508	18.23	11.85	0.65	1520	18.05	11.74	0.65	1527	17.86	11.61	0.65	1578	17.61	11.45	0.65	1648	17.30	11.25	0.65	1759	16.89	10.98	0.65	1841
	22	71.6	20	68.0	19.44	10.30	0.53	1504	19.25	10.20	0.53	1518	19.04	10.09	0.53	1531	18.79	9.96	0.53	1544	18.61	9.86	0.53	1551	18.40	9.75	0.53	1602	18.15	9.62	0.53	1672	17.83	9.45	0.53	1783	17.41	9.23	0.53	1865
	22	71.6	22	71.6	19.77	8.11	0.41	1520	19.57	8.03	0.41	1534	19.36	7.94	0.41	1547	19.11	7.84	0.41	1560	18.92	7.76	0.41	1567	18.72	7.67	0.41	1618	18.46	7.57	0.41	1688	18.13	7.43	0.41	1799	17.71	7.26	0.41	1881
	23	73.4	18	64.4	19.25	13.28	0.69	1495	19.06	13.15	0.69	1509	18.85	13.01	0.69	1523	18.61	12.84	0.69	1535	18.42	12.71	0.69	1543	18.22	12.57	0.69	1594	17.97	12.40	0.69	1665	17.65	12.18	0.69	1777	17.24	11.90	0.69	1859
	23	73.4	20	68.0	19.84	11.31	0.57	1519	19.64	11.19	0.57	1533	19.43	11.07	0.57	1547	19.18	10.93	0.57	1559	18.99	10.82	0.57	1567	18.78	10.70	0.57	1618	18.52	10.56	0.57	1689	18.19	10.37	0.57	1801	17.77	10.13	0.57	1883
	23	73.4	22	71.6	20.17	9.08	0.45	1536	19.97	8.99	0.45	1549	19.76	8.89	0.45	1563	19.50	8.78	0.45	1575	19.31	8.69	0.45	1583	19.10	8.59	0.45	1635	18.84	8.48	0.45	1705	18.50	8.33	0.45	1817	18.07	8.13	0.45	1900
	24	75.2	18	64.4	19.64	14.34	0.73	1510	19.45	14.20	0.73	1524	19.23	14.04	0.73	1538	18.99	13.86	0.73	1551	18.80	13.72	0.73	1558	18.59	13.57	0.73	1610	18.34	13.39	0.73	1681	18.01	13.15	0.73	1795	17.59	12.84	0.73	1878
	24	75.2	20	68.0	20.24	12.35	0.61	1535	20.04	12.22	0.61	1548	19.82	12.09	0.61	1562	19.57	11.94	0.61	1575	19.37	11.82	0.61	1583	19.16	11.69	0.61	1635	18.90	11.53	0.61	1706	18.56	11.32	0.61	1819	18.13	11.06	0.61	1902
	24	75.2	22	71.6	20.59	10.09	0.49	1551	20.38	9.99	0.49	1565	20.16	9.88	0.49	1579	19.90	9.75	0.49	1591	19.70	9.65	0.49	1599	19.49	9.55	0.49	1651	19.22	9.42	0.49	1722	18.88	9.25	0.49	1836	18.44	9.03	0.49	1919
	24	75.2	24	75.2	20.87	7.72	0.37	1571	20.67	7.65	0.37	1584	20.44	7.56	0.37	1598	20.18	7.47	0.37	1611	19.98	7.39	0.37	1619	19.76	7.31	0.37	1670	19.49	7.21	0.37	1742	19.14	7.08	0.37	1855	18.70	6.92	0.37	1938
	25	77.0	18	64.4	20.25	15.59	0.77	1526	20.05	15.44	0.77	1540	19.83	15.27	0.77	1554	19.57	15.07	0.77	1566	19.38	14.92	0.77	1574	19.17	14.76	0.77	1627	18.90	14.56	0.77	1698	18.57	14.30	0.77	1813	18.14	13.96	0.77	1897
	25	77.0	20	68.0	20.87	13.56	0.65	1550	20.66	13.43	0.65	1564	20.44	13.28	0.65	1578	20.17	13.11	0.65	1591	19.97	12.98	0.65	1599	19.76	12.84	0.65	1651	19.48	12.66	0.65	1723	19.14	12.44	0.65	1838	18.69	12.15	0.65	1922
	25	77.0	22	71.6	21.22	11.25	0.53	1567	21.01	11.14	0.53	1581	20.78	11.01	0.53	1595	20.52	10.87	0.53	1607	20.31	10.77	0.53	1615	20.09	10.65	0.53	1668	19.81	10.50	0.53	1739	19.46	10.32	0.53	1854	19.01	10.07	0.53	1938
	25	77.0	24	75.2	21.52	8.82	0.41	1586	21.31	8.74	0.41	1600	21.07	8.64	0.41	1614	20.80	8.53	0.41	1627	20.60	8.44	0.41	1635	20.37	8.35	0.41	1687	20.09	8.24	0.41	1759	19.74	8.09	0.41	1874	19.27	7.90	0.41	1958
	26	78.8	18	64.4	20.87	16.91	0.81	1541	20.67	16.74	0.81	1555	20.44	16.56	0.81	1569	20.18	16.35	0.81	1582	19.98	16.18	0.81	1590	19.76	16.01	0.81	1643	19.49	15.79	0.81	1715	19.14	15.51	0.81	1831	18.70	15.14	0.81	1916
	26	78.8	20	68.0	21.51	14.84	0.69	1566	21.30	14.70	0.69	1580	21.07	14.54	0.69	1594	20.80	14.35	0.69	1607	20.59	14.21	0.69	1615	20.37	14.05	0.69	1668	20.09	13.86	0.69	1740	19.73	13.61	0.69	1856	19.27	13.30	0.69	1941
	26	78.8	22	71.6	21.88	12.47	0.57	1583	21.66	12.35	0.57	1597	21.43	12.21	0.57	1611	21.15	12.06	0.57	1624	20.94	11.94	0.57	1632	20.71	11.81	0.57	1685	20.43	11.64	0.57	1757	20.07	11.44	0.57	1873	19.60	11.17	0.57	1958
	26	78.8	24	75.2	22.18	9.98	0.45	1602	21.96	9.88	0.45	1617	21.73	9.78	0.45	1631	21.45	9.65	0.45	1644	21.23	9.56	0.45	1652	21.00	9.45	0.45	1704	20.71	9.32	0.45	1777	20.35	9.16	0.45	1893	19.87	8.94	0.45	1978
	26	78.8	26	78.8	22.54	7.44	0.33	1625	22.32	7.36	0.33	1639	22.07	7.28	0.33	1654	21.79	7.19	0.33	1666	21.57	7.12	0.33	1674	21.34	7.04	0.33	1727	21.04	6.94	0.33	1800	20.67	6.82	0.33	1916	20.19	6.66	0.33	2000
	27	80.6	18	64.4	21.30	18.10	0.85	1557	21.09	17.93	0.85	1571	20.86	17.73	0.85	1585	20.59	17.50	0.85	1598	20.39	17.33	0.85	1606	20.17	17.14	0.85	1660	19.89	16.90	0.85	1733	19.54	16.61	0.85	1850	19.08	16.22	0.85	1936
	27	80.6	19	66.2	21.73	17.17	0.79	1567	21.52	17.00	0.79	1581	21.28	16.81	0.79	1595	21.01	16.60	0.79	1608	20.80	16.43	0.79	1616	20.58	16.26	0.79	1670	20.29	16.03	0.79	1743	19.93	15.75	0.79	1860	19.47	15.38	0.79	1946
	27	80.6	20	68.0	21.95	16.02	0.73	1582	21.73	15.87	0.73	1596	21.50	15.69	0.73	1610	21.22	15.49	0.73	1623	21.01	15.34	0.73	1631	20.78	15.17	0.73	1685	20.50	14.96	0.73	1758	20.13	14.70	0.73	1875	19.66	14.35	0.73	1961
	27	80.6	22	71.6	22.32	13.62	0.61	1599	22.10	13.48	0.61	1613	21.86	13.34	0.61	1627	21.58	13.17	0.61	1640	21.37	13.03	0.61	1648	21.14	12.89	0.61	1702	20.84	12.72	0.61	1775	20.48	12.49	0.61	1892	20.00	12.20	0.61	1978
	27	80.6	24	75.2	22.64	11.09	0.49	1619	22.41	10.98	0.49	1633	22.17	10.86	0.49	1647	21.88	10.72	0.49	1660	21.67	10.62	0.49	1668	21.43	10.50	0.49	1722	21.14	10.36	0.49	1795	20.76	10.17	0.49	1912	20.28	9.94	0.49	1998
	27	80.6	26	78.8	23.00	8.51	0.37	1642	22.77	8.43	0.37	1656	22.52	8.33	0.37	1670	22.23	8.23	0.37	1683	22.01	8.15	0.37	1691	21.78	8.06	0.37	1745	21.47	7.95	0.37	1818	21.09	7.81	0.37	1935	20.60	7.62	0.37	2021
	28	82.4	18	64.4	21.51	19.15	0.89	1572	21.30	18.96	0.89	1587	21.07	18.75	0.89	1601	20.80	18.51	0.89	1614	20.59	18.33	0.89	1622	20.37	18.13	0.89	1676	20.09	17.88	0.89	1750	19.73	17.56	0.89	1868	19.27	17.15	0.89	1955
	28	82.4	20	68.0	21.95	16.90	0.77	1597	21.73	16.74	0.77	1612	21.50	16.55	0.77	1626	21.22	16.34	0.77	1639	21.01	16.18	0.77	1647	20.78	16.00	0.77	1701	20.50	15.78	0.77	1775	20.13	15.50	0.77	1894	19.66	15.14	0.77	1980
	28	82.4	22	71.6	22.17	14.41	0.65	1615	21.95	14.27	0.65	1629	21.71	14.11	0.65	1644	21.43	13.93	0.65	1657	21.22	13.79	0.65	1665	20.99	13.64	0.65	1719	20.70	13.46	0.65	1793	20.33	13.22	0.65	1911	19.86	12.91	0.65	1997
	28	82.4	24	75.2	22.55	11.95	0.53	1635	22.32	11.83	0.53	1649	22.08	11.70	0.53	1664	21.80	11.55	0.53	1677	21.58	11.44	0.53	1685	21.35	11.31	0.53	1739	21.05	11.16	0.53	1813	20.68	10.96	0.53	1931	20.20	10.70	0.53	2018
	28	82.4	26	78.8	22.86	9.37	0.41	1658	22.64	9.28	0.41	1672	22.39	9.18	0.41	1687	22.10	9.06	0.41	1700	21.88	8.97	0.41	1708	21.65	8.88	0.41	1762	21.35	8.75	0.41	1836	20.97	8.60	0.41	1954	20.48	8.40	0.41	2041
	29	84.2	18	64.4	21.73	19.77	0.91	1588	21.51	19.58	0.91	1602	21.28	19.36	0.91	1617	21.01	19.11	0.91	1630	20.80	18.93	0.91	1638	20.57	18.72	0.91	1693	20.29	18.46	0.91	1768	19.93	18.13	0.91	1887	19.46	17.71	0.91	1974
	29	84.2	20	68.0	22.17	17.96	0.81	1613	21.95	17.78	0.81	1628	21.71	17.59	0.81	1643	21.43	17.36	0.81	1656	21.22	17.19	0.81	1664	20.99	17.00	0.81	1718	20.70	16.77	0.81	1793	20.33	16.47	0.81	1913	19.86	16.09	0.81	2000
	29	84.2	22	71.6	22.61	15.60	0.69	1631	22.39	15.45	0.69	1645	22.15	15.28	0.69	1660	21.86	15.09	0.69	1673	21.65	14.94	0.69	1681	21.41	14.77	0.69	1736	21.11	14.57	0.69	1810	20.74	14.31	0.69	1930	20.26	13.98	0.69	2017
	29	84.2	24	75.2	22.77	12.98	0.57	1651	22.55	12.85	0.57	1666	22.30	12.71	0.57	1680	22.02	12.55	0.57	1693	21.80	12.42	0.57	1702	21.56	12.29	0.57	1756	21.26	12.12	0.57	1831	20.89	11.91	0.57	1950	20.40	11.63	0.57	2038
	29	84.2	26	78.8	23.09	10.39	0.45	1675	22.86	10.29	0.45	1689	22.61	10.18	0.45	1704	22.32	10.05	0.45	1717	22.10	9.95	0.45	1725	21.86	9.84	0.45	1780	21.56	9.70	0.45	1854	21.18	9.53	0.45	1974	20.68	9.31	0.45	2061
	30	86.0	18	64.4	21.94	19.97	0.91	1604	21.73	19.77	0.91	1618	21.49	19.56	0.91	1633	21.22	19.31	0.91	1647	21.01	19.11	0.91	1655	20.78	18.91	0.91	1710	20.49	18.65	0.91	1785	20.13	18.32	0.91	1906	19.66	17.89	0.91	1994
	30	86.0	20	68.0	22.39	19.03	0.85	1630	22.17	18.85	0.85	1644	21.93	18.64	0.85	1659	21.65	18.40	0.85	1672	21.43	18.22	0.85	1681	21.20	18.02	0.85	1736	20.91	17.77	0.85	1811	20.54	17.46	0.85	1932	20.06	17.05	0.85	2020
	30	86.0	22	71.6	22.84	16.67	0.73	1647	22.61	16.51	0.73	1662	22.37	16.33	0.73	1677	22.08	16.12	0.73	1690	21.86	15.96	0.73	1698	21.62	15.79	0.73	1753	21.33	15.57	0.73	1829	20.95	15.29	0.73	1949	20.46	14.93	0.73	2038
	30	86.0	24	75.2	23.00	14.03	0.61	1668	22.77	13.89	0.61	1682	22.53	13.74	0.61	1697	22.24	13.56	0.61	1710	22.02	13.43	0.61	1719	21.78	13.28	0.61	1774	21.48	13.10	0.61	1849	21.10	12.87	0.61	1970	20.60	12.57	0.61	2058
	30	86.0	26	78.8	23.32	11.43	0.49	1691	23.09	11.32	0.49	1706	22.84	11.19	0.49	1721	22.55	11.05	0.49	1734	22.32	10.94	0.49	1742	22.08	10.82	0.49	1797	21.78	10.67	0.49	1873	21.39	10.48	0.49	1994	20.89	10.24	0.49	2082
	31	87.8	18	64.4	22.16	20.17	0.91	1620	21.94	19.97	0.91	1635	21.71	19.75	0.91	1650	21.43	19.50	0.91	1663	21.22	19.31	0.91	1671	20.98	19.10	0.91	1727	20.69	18.83	0.91	1803	20.33	18.50	0.91	1925	19.85	18.07	0.91	2014
	31	87.8	20	68.0	22.62	20.13	0.89	1646	22.39	19.93	0.89	1661	22.15	19.71	0.89	1676	21.86	19.46	0.89	1689	21.65	19.27	0.89	1697	21.41	19.06	0.89	1753	21.12	18.79	0.89	1829	20.74	18.46	0.89	1951	20.26	18.03	0.89	2040
	31	87.8	22	71.6	23.07	17.76	0.77	1664	22.84	17.59	0.77	1678	22.59	17.40	0.77	1693	22.30	17.17	0.77	1707	22.08	17.00	0.77	1715	21.84	16.82	0.77	1771	21.54	16.59	0.77	1847	21.16	16.29	0.77	1969	20.66	15.91	0.77	2058
	31	87.8	24	75.2	23.23	15.10	0.65	1684	23.00	14.95	0.65	1699	22.75	14.79	0.65	1714	22.46	14.60	0.65	1728	22.24	14.45	0.65	1736	21.99	14.30	0.65	1792	21.69	14.10	0.65	1868	21.31	13.85	0.65	1990	20.81	13.53	0.65	2079
	31	87.8	26	78.8	23.56	12.48	0.53	1708	23.32	12.36	0.53	1723	23.07	12.23	0.53	1738	22.77	12.07	0.53	1751	22.55	11.95	0.53	1760	22.30	11.82	0.53	1815	21.99	11.66	0.53	1892	21.61	11.45	0.53	2014	21.10	11.18	0.53	2103
	32	89.6	18	64.4	22.39	20.37	0.91	1636	22.16	20.17	0.91	1651	21.92	19.95	0.91	1666	21.64	19.69	0.91	1680	21.43	19.50	0.91	1688	21.19	19.29	0.91	1744	20.90	19.02	0.91	1821	20.53	18.68	0.91	1944	20.05	18.25	0.91	2034
	32	89.6	20	68.0	22.84	20.79	0.91	1662	22.62	20.58	0.91	1677	22.37	20.36	0.91	1692	22.08	20.10	0.91	1706	21.86	19.90	0.91	1714	21.63	19.68	0.91	1771	21.33	19.41	0.91	1847	20.95	19.07	0.91	1971	20.46	18.62	0.91	2061
	32	89.6	22	71.6	23.30	18.87	0.81	1680	23.07	18.69	0.81	1695	22.82	18.48	0.81	1710	22.52	18.25	0.81	1724	22.30	18.06	0.81	1732	22.06	17.87	0.81	1788	21.75	17.62	0.81	1865	21.37	17.31	0.81	1988	20.87	16.90	0.81	2078
	32	89.6	24	75.2	23.46	16.19	0.69	1701	23.23	16.03	0.69	1716	22.98	15.85	0.69	1731	22.68	15.65	0.69	1745	22.46	15.50	0.69	1753	22.21	15.33	0.69	1809	21.91	15.12	0.69	1886	21.52	14.85	0.69	2010	21.02	14.50	0.69	2099
	32	89.6	26	78.8	23.79	13.56	0.57	1725	23.56	13.43	0.57	1740	23.30	13.28	0.57	1755	23.00	13.11	0.57	1769	22.77	12.98	0.57	1777	22.53	12.84	0.57	1834	22.21	12.66	0.57	1911	21.82	12.44	0.57	2034	21.31	12.15	0.57	2124

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)				53.8(128.8F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
120%	21	69.8	18	64.4	15.91	9.71	0.61	1891	14.64	8.93	0.61	1986	14.49	8.84	0.61	2006	11.96	7.29	0.61	2082	11.60	7.07	0.61	2097	10.32	6.30	0.61	2139	9.91	6.04	0.61	2161	9.41	5.74	0.61	2204	8.85	5.40	0.61	2248
	21	69.8	20	68.0	16.57	8.12	0.49	1914	15.24	7.47	0.49	2009	15.09	7.39	0.49	2029	12.45	6.10	0.49	2106	12.07	5.92	0.49	2120	10.75	5.27	0.49	2163	10.32	5.06	0.49	2184	9.80	4.80	0.49	2227	9.21	4.51	0.49	2272
	22	71.6	18	64.4	16.40	10.66	0.65	1910	15.09	9.81	0.65	2006	14.94	9.71	0.65	2026	12.32	8.01	0.65	2103	11.96	7.77	0.65	2118	10.64	6.92	0.65	2161	10.21	6.64	0.65	2182	9.70	6.31	0.65	2226	9.12	5.93	0.65	2271
	22	71.6	20	68.0	16.90	8.96	0.53	1934	15.55	8.24	0.53	2030	15.40	8.16	0.53	2050	12.70	6.73	0.53	2127	12.32	6.53	0.53	2142	10.97	5.81	0.53	2184	10.53	5.58	0.53	2206	10.00	5.30	0.53	2250	9.40	4.98	0.53	2295
	22	71.6	22	71.6	17.19	7.05	0.41	1950	15.82	6.48	0.41	2046	15.66	6.42	0.41	2066	12.92	5.30	0.41	2143	12.53	5.14	0.41	2158	11.15	4.57	0.41	2201	10.71	4.39	0.41	2222	10.17	4.17	0.41	2266	9.56	3.92	0.41	2311
	23	73.4	18	64.4	16.74	11.55	0.69	1929	15.40	10.62	0.69	2026	15.24	10.52	0.69	2046	12.58	8.68	0.69	2125	12.20	8.42	0.69	2139	10.86	7.49	0.69	2182	10.42	7.19	0.69	2204	9.90	6.83	0.69	2249	9.31	6.42	0.69	2294
	23	73.4	20	68.0	17.25	9.83	0.57	1953	15.87	9.05	0.57	2050	15.71	8.96	0.57	2070	12.96	7.39	0.57	2149	12.57	7.17	0.57	2163	11.19	6.38	0.57	2206	10.74	6.12	0.57	2228	10.20	5.82	0.57	2273	9.59	5.47	0.57	2318
	23	73.4	22	71.6	17.54	7.89	0.45	1969	16.14	7.26	0.45	2066	15.98	7.19	0.45	2087	13.18	5.93	0.45	2165	12.79	5.75	0.45	2180	11.38	5.12	0.45	2223	10.92	4.92	0.45	2245	10.38	4.67	0.45	2289	9.76	4.39	0.45	2334
	24	75.2	18	64.4	17.08	12.47	0.73	1949	15.71	11.47	0.73	2047	15.56	11.36	0.73	2067	12.83	9.37	0.73	2146	12.45	9.09	0.73	2161	11.08	8.09	0.73	2205	10.64	7.76	0.73	2227	10.10	7.38	0.73	2271	9.50	6.93	0.73	2317
	24	75.2	20	68.0	17.60	10.74	0.61	1973	16.19	9.88	0.61	2071	16.03	9.78	0.61	2091	13.23	8.07	0.61	2170	12.83	7.83	0.61	2185	11.42	6.97	0.61	2229	10.96	6.69	0.61	2251	10.41	6.35	0.61	2296	9.79	5.97	0.61	2341
	24	75.2	22	71.6	17.90	8.77	0.49	1989	16.47	8.07	0.49	2087	16.30	7.99	0.49	2108	13.45	6.59	0.49	2187	13.05	6.39	0.49	2202	11.61	5.69	0.49	2245	11.15	5.46	0.49	2267	10.59	5.19	0.49	2312	9.95	4.88	0.49	2358
	24	75.2	24	75.2	18.15	6.72	0.37	2009	16.70	6.18	0.37	2107	16.53	6.12	0.37	2127	13.64	5.05	0.37	2206	13.23	4.90	0.37	2221	11.77	4.36	0.37	2265	11.30	4.18	0.37	2287	10.74	3.97	0.37	2332	10.09	3.73	0.37	2377
	25	77.0	18	64.4	17.61	13.56	0.77	1968	16.20	12.47	0.77	2067	16.04	12.35	0.77	2088	13.23	10.19	0.77	2168	12.83	9.88	0.77	2183	11.42	8.79	0.77	2227	10.96	8.44	0.77	2249	10.42	8.02	0.77	2294	9.79	7.54	0.77	2340
	25	77.0	20	68.0	18.15	11.79	0.65	1993	16.69	10.85	0.65	2092	16.53	10.74	0.65	2112	13.64	8.86	0.65	2192	13.23	8.60	0.65	2207	11.77	7.65	0.65	2251	11.30	7.35	0.65	2274	10.74	6.98	0.65	2319	10.09	6.56	0.65	2365
	25	77.0	22	71.6	18.45	9.78	0.53	2009	16.98	9.00	0.53	2108	16.81	8.91	0.53	2129	13.87	7.35	0.53	2209	13.45	7.13	0.53	2224	11.97	6.34	0.53	2268	11.49	6.09	0.53	2290	10.92	5.79	0.53	2335	10.26	5.44	0.53	2382
	25	77.0	24	75.2	18.71	7.67	0.41	2029	17.22	7.06	0.41	2128	17.04	6.99	0.41	2149	14.06	5.77	0.41	2228	13.64	5.59	0.41	2244	12.14	4.98	0.41	2288	11.65	4.78	0.41	2310	11.07	4.54	0.41	2355	10.41	4.27	0.41	2401
	26	78.8	18	64.4	18.15	14.70	0.81	1988	16.70	13.53	0.81	2088	16.53	13.39	0.81	2109	13.64	11.05	0.81	2190	13.23	10.72	0.81	2205	11.77	9.54	0.81	2249	11.30	9.16	0.81	2272	10.74	8.70	0.81	2317	10.09	8.18	0.81	2364
	26	78.8	20	68.0	18.71	12.91	0.69	2013	17.21	11.88	0.69	2113	17.04	11.76	0.69	2134	14.06	9.70	0.69	2214	13.64	9.41	0.69	2230	12.14	8.37	0.69	2274	11.65	8.04	0.69	2297	11.07	7.64	0.69	2342	10.40	7.18	0.69	2389
	26	78.8	22	71.6	19.03	10.84	0.57	2030	17.50	9.98	0.57	2130	17.33	9.88	0.57	2151	14.30	8.15	0.57	2231	13.87	7.90	0.57	2247	12.34	7.03	0.57	2291	11.85	6.75	0.57	2313	11.26	6.42	0.57	2359	10.58	6.03	0.57	2406
	26	78.8	24	75.2	19.29	8.68	0.45	2050	17.75	7.99	0.45	2149	17.57	7.91	0.45	2170	14.50	6.52	0.45	2251	14.06	6.33	0.45	2266	12.51	5.63	0.45	2311	12.01	5.41	0.45	2333	11.41	5.14	0.45	2379	10.73	4.83	0.45	2425
	26	78.8	26	78.8	19.60	6.47	0.33	2072	18.03	5.95	0.33	2172	17.85	5.89	0.33	2193	14.73	4.86	0.33	2274	14.29	4.71	0.33	2289	12.71	4.20	0.33	2333	12.21	4.03	0.33	2356	11.60	3.83	0.33	2402	10.90	3.60	0.33	2448
	27	80.6	18	64.4	18.52	15.74	0.85	2008	17.04	14.48	0.85	2109	16.87	14.34	0.85	2130	13.92	11.83	0.85	2212	13.50	11.48	0.85	2227	12.02	10.21	0.85	2272	11.53	9.80	0.85	2295	10.96	9.31	0.85	2341	10.30	8.76	0.85	2388
	27	80.6	19	66.2	18.90	14.93	0.79	2018	17.39	13.74	0.79	2119	17.21	13.60	0.79	2140	14.20	11.22	0.79	2222	13.78	10.88	0.79	2237	12.26	9.69	0.79	2282	11.77	9.30	0.79	2305	11.18	8.83	0.79	2351	10.51	8.30	0.79	2398
	27	80.6	20	68.0	19.09	13.93	0.73	2033	17.56	12.82	0.73	2134	17.39	12.69	0.73	2155	14.34	10.47	0.73	2237	13.91	10.16	0.73	2252	12.38	9.04	0.73	2297	11.89	8.68	0.73	2320	11.29	8.24	0.73	2366	10.62	7.75	0.73	2413
	27	80.6	22	71.6	19.41	11.84	0.61	2050	17.86	10.89	0.61	2151	17.68	10.79	0.61	2172	14.59	8.90	0.61	2254	14.15	8.63	0.61	2269	12.59	7.68	0.61	2314	12.09	7.37	0.61	2337	11.49	7.01	0.61	2383	10.80	6.59	0.61	2430
	27	80.6	24	75.2	19.69	9.65	0.49	2070	18.11	8.87	0.49	2171	17.93	8.79	0.49	2192	14.79	7.25	0.49	2274	14.35	7.03	0.49	2289	12.77	6.26	0.49	2334	12.26	6.01	0.49	2357	11.65	5.71	0.49	2403	10.95	5.36	0.49	2450
	27	80.6	26	78.8	20.00	7.40	0.37	2093	18.40	6.81	0.37	2194	18.22	6.74	0.37	2215	15.03	5.56	0.37	2297	14.58	5.39	0.37	2312	12.97	4.80	0.37	2357	12.46	4.61	0.37	2380	11.83	4.38	0.37	2426	11.12	4.12	0.37	2473
	28	82.4	18	64.4	18.71	16.65	0.89	2028	17.21	15.32	0.89	2130	17.04	15.16	0.89	2152	14.06	12.51	0.89	2234	13.64	12.14	0.89	2250	12.14	10.80	0.89	2295	11.65	10.37	0.89	2318	11.07	9.85	0.89	2364	10.40	9.26	0.89	2412
	28	82.4	20	68.0	19.09	14.70	0.77	2054	17.56	13.52	0.77	2156	17.39	13.39	0.77	2177	14.34	11.04	0.77	2259	13.91	10.71	0.77	2275	12.38	9.53	0.77	2320	11.89	9.15	0.77	2343	11.29	8.70	0.77	2390	10.62	8.17	0.77	2437
	28	82.4	22	71.6	19.28	12.53	0.65	2071	17.74	11.53	0.65	2173	17.56	11.41	0.65	2194	14.49	9.42	0.65	2276	14.05	9.13	0.65	2292	12.51	8.13	0.65	2337	12.01	7.80	0.65	2360	11.41	7.41	0.65	2407	10.72	6.97	0.65	2454
	28	82.4	24	75.2	19.61	10.39	0.53	2091	18.04	9.56	0.53	2193	17.86	9.47	0.53	2214	14.73	7.81	0.53	2296	14.29	7.57	0.53	2312	12.72	6.74	0.53	2357	12.21	6.47	0.53	2380	11.60	6.15	0.53	2427	10.90	5.78	0.53	2474
	28	82.4	26	78.8	19.88	8.15	0.41	2114	18.29	7.50	0.41	2216	18.11	7.42	0.41	2238	14.94	6.13	0.41	2320	14.49	5.94	0.41	2335	12.90	5.29	0.41	2381	12.38	5.08	0.41	2404	11.76	4.82	0.41	2450	11.06	4.53	0.41	2498
	29	84.2	18	64.4	18.89	17.19	0.91	2049	17.38	15.82	0.91	2152	17.21	15.66	0.91	2173	14.20	12.92	0.91	2256	13.77	12.53	0.91	2272	12.26	11.15	0.91	2318	11.77	10.71	0.91	2341	11.18	10.17	0.91	2388	10.51	9.56	0.91	2436
	29	84.2	20	68.0	19.28	15.62	0.81	2074	17.74	14.37	0.81	2177	17.56	14.22	0.81	2199	14.49	11.73	0.81	2282	14.05	11.38	0.81	2298	12.51	10.13	0.81	2343	12.01	9.73	0.81	2366	11.41	9.24	0.81	2413	10.72	8.68	0.81	2461
	29	84.2	22	71.6	19.67	13.57	0.69	2091	18.09	12.48	0.69	2194	17.91	12.36	0.69	2216	14.78	10.20	0.69	2299	14.33	9.89	0.69	2315	12.76	8.80	0.69	2360	12.25	8.45	0.69	2384	11.63	8.03	0.69	2431	10.94	7.55	0.69	2479
	29	84.2	24	75.2	19.80	11.29	0.57	2112	18.22	10.39	0.57	2215	18.04	10.28	0.57	2236	14.88	8.48	0.57	2319	14.43	8.23	0.57	2335	12.85	7.32	0.57	2381	12.33	7.03	0.57	2404	11.72	6.68	0.57	2451	11.01	6.28	0.57	2499
	29	84.2	26	78.8	20.08	9.04	0.45	2135	18.47	8.31	0.45	2238	18.29	8.23	0.45	2260	15.09	6.79	0.45	2343	14.64	6.59	0.45	2359	13.03	5.86	0.45	2404	12.51	5.63	0.45	2428	11.88	5.35	0.45	2475	11.17	5.03	0.45	2523
	30	86.0	18	64.4	19.08	17.37	0.91	2069	17.56	15.98	0.91	2173	17.38	15.82	0.91	2195	14.34	13.05	0.91	2279	13.91	12.66	0.91	2295	12.38	11.27	0.91	2341	11.88	10.81	0.91	2364	11.29	10.27	0.91	2412	10.61	9.66	0.91	2460
	30	86.0	20	68.0	19.47	16.55	0.85	2095	17.91	15.23	0.85	2199	17.74	15.08	0.85	2221	14.63	12.44	0.85	2304	14.19	12.06	0.85	2320	12.63	10.74	0.85	2367	12.13	10.31	0.85	2390	11.52	9.79	0.85	2438	10.83	9.20	0.85	2486
	30	86.0	22	71.6	19.86	14.50	0.73	2112	18.27	13.34	0.73	2216	18.09	13.21	0.73	2238	14.92	10.89	0.73	2322	14.48	10.57	0.73	2338	12.88	9.41	0.73	2384	12.37	9.03	0.73	2408	11.75	8.58	0.73	2455	11.05	8.06	0.73	2504
	30	86.0	24	75.2	20.00	12.20	0.61	2133	18.40	11.22	0.61	2237	18.22	11.11	0.61	2259	15.03	9.17	0.61	2343	14.58	8.89	0.61	2359	12.97	7.91	0.61	2405	12.46	7.60	0.61	2428	11.83	7.22	0.61	2476	11.12	6.79	0.61	2524
	30	86.0	26	78.8	20.28	9.94	0.49	2157	18.66	9.14	0.49	2261	18.47	9.05	0.49	2282	15.24	7.47	0.49	2366	14.78	7.24	0.49	2382	13.16	6.45	0.49	2428	12.63	6.19	0.49	2452	12.00	5.88	0.49	2499	11.28	5.53	0.49	2548
	31	87.8	18	64.4	19.27	17.54	0.91	2090	17.73	16.14	0.91	2195	17.55	15.97	0.91	2217	14.48	13.18	0.91	2301	14.05	12.78	0.91	2318	12.50	11.38	0.91	2364	12.00	10.92	0.91	2388	11.40	10.38	0.91	2436	10.72	9.75	0.91	2485
	31	87.8	20	68.0	19.67	17.50	0.89	2116	18.09	16.10	0.89	2221	17.91	15.94	0.89	2243	14.78	13.15	0.89	2328	14.33	12.76	0.89	2344	12.76	11.35	0.89	2390	12.25	10.90	0.89	2414	11.64	10.36	0.89	2462	10.94	9.73	0.89	2511
	31	87.8	22	71.6	20.06	15.45	0.77	2133	18.46	14.21	0.77	2239	18.27	14.07	0.77	2261	15.07	11.61	0.77	2345	14.62	11.26	0.77	2361	13.01	10.02	0.77	2408	12.49	9.62	0.77	2432	11.87	9.14	0.77	2480	11.16	8.59	0.77	2529
	31	87.8	24	75.2	20.20	13.13	0.65	2154	18.59	12.08	0.65	2259	18.40	11.96	0.65	2281	15.18	9.87	0.65	2366	14.72	9.57	0.65	2382	13.10	8.52	0.65	2429	12.58	8.18	0.65	2452	11.95	7.77	0.65	2500	11.23	7.30	0.65	2549
	31	87.8	26	78.8	20.48	10.86	0.53	2178	18.85	9.99	0.53	2283	18.66	9.89	0.53	2305	15.39	8.16	0.53	2390	14.93	7.91	0.53	2406	13.29	7.04	0.53	2453	12.76	6.76	0.53	2476	12.12	6.42	0.53	2524	11.39	6.04	0.53	2573
	32	89.6	18	64.4	19.47	17.71	0.91	2111	17.91	16.30	0.91	2217	17.73	16.13	0.91	2239	14.63	13.31	0.91	2325	14.19	12.91	0.91	2341	12.63	11.49	0.91	2388	12.12	11.03	0.91	2412	11.52	10.48	0.91	2460	10.83	9.85	0.91	2510
	32	89.6	20	68.0	19.86	18.08	0.91	2137	18.27	16.63	0.91	2243	18.09	16.46	0.91	2265	14.93	13.58	0.91	2351	14.48	13.18	0.91	2367	12.89	11.73	0.91	2414	12.37	11.26	0.91	2438	11.75	10.69	0.91	2487	11.05	10.05	0.91	2536
	32	89.6	22	71.6	20.26	16.41	0.81	2155	18.64	15.10	0.81	2261	18.45	14.95	0.81	2283	15.22	12.33	0.81	2369	14.77	11.96	0.81	2385	13.14	10.65	0.81	2432	12.62	10.22	0.81	2456	11.99	9.71	0.81	2504	11.27	9.13	0.81	2554
	32	89.6	24	75.2	20.40	14.08	0.69	2176	18.77	12.95	0.69	2282	18.58	12.82	0.69	2304	15.33	10.58	0.69	2390	14.87	10.26	0.69	2406	13.24	9.13	0.69	2453	12.71	8.77	0.69	2477	12.07	8.33	0.69	2525	11.35	7.83	0.69	2575
	32	89.6	26	78.8	20.69	11.79	0.57	2200	19.03	10.85	0.57	2306	18.84	10.74	0.57	2328	15.55	8.86	0.57	2414	15.08	8.60	0.57	2430	13.42	7.65	0.57	2477	12.88	7.34	0.57	2501	12.24	6.98	0.57	2550	11.51	6.56	0.57	2599

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
110%	21	69.8	18	64.4	17.95	10.95	0.61	1451	17.77	10.84	0.61	1465	17.58	10.72	0.61	1478	17.35	10.58	0.61	1490	17.18	10.48	0.61	1497	16.99	10.37	0.61	1547	16.76	10.22	0.61	1616	16.46	10.04	0.61	1725	16.08	9.81	0.61	1805
	21	69.8	20	68.0	18.69	9.16	0.49	1475	18.50	9.07	0.49	1488	18.30	8.97	0.49	1501	18.07	8.85	0.49	1513	17.89	8.76	0.49	1521	17.69	8.67	0.49	1571	17.45	8.55	0.49	1639	17.14	8.40	0.49	1748	16.74	8.20	0.49	1828
	22	71.6	18	64.4	18.50	12.03	0.65	1466	18.32	11.91	0.65	1479	18.12	11.78	0.65	1493	17.89	11.63	0.65	1505	17.71	11.51	0.65	1513	17.52	11.39	0.65	1563	17.28	11.23	0.65	1632	16.97	11.03	0.65	1742	16.57	10.77	0.65	1823
	22	71.6	20	68.0	19.07	10.11	0.53	1490	18.88	10.01	0.53	1503	18.67	9.90	0.53	1517	18.44	9.77	0.53	1529	18.25	9.67	0.53	1536	18.05	9.57	0.53	1587	17.80	9.44	0.53	1656	17.49	9.27	0.53	1766	17.08	9.05	0.53	1847
	22	71.6	22	71.6	19.39	7.95	0.41	1506	19.20	7.87	0.41	1519	18.99	7.79	0.41	1533	18.75	7.69	0.41	1545	18.56	7.61	0.41	1553	18.36	7.53	0.41	1603	18.11	7.42	0.41	1672	17.79	7.29	0.41	1782	17.37	7.12	0.41	1863
	23	73.4	18	64.4	18.88	13.03	0.69	1481	18.69	12.90	0.69	1494	18.49	12.76	0.69	1508	18.25	12.59	0.69	1520	18.07	12.47	0.69	1528	17.88	12.33	0.69	1579	17.63	12.16	0.69	1648	17.32	11.95	0.69	1760	16.91	11.67	0.69	1841
	23	73.4	20	68.0	19.46	11.09	0.57	1505	19.27	10.98	0.57	1518	19.06	10.86	0.57	1532	18.81	10.72	0.57	1544	18.63	10.62	0.57	1552	18.42	10.50	0.57	1603	18.17	10.36	0.57	1672	17.85	10.17	0.57	1784	17.43	9.93	0.57	1865
	23	73.4	22	71.6	19.79	8.91	0.45	1521	19.59	8.82	0.45	1535	19.38	8.72	0.45	1548	19.13	8.61	0.45	1561	18.94	8.52	0.45	1568	18.74	8.43	0.45	1619	18.48	8.31	0.45	1689	18.15	8.17	0.45	1800	17.72	7.98	0.45	1882
	24	75.2	18	64.4	19.27	14.06	0.73	1496	19.07	13.92	0.73	1509	18.87	13.77	0.73	1523	18.63	13.60	0.73	1536	18.44	13.46	0.73	1543	18.24	13.32	0.73	1595	17.99	13.13	0.73	1665	17.67	12.90	0.73	1778	17.26	12.60	0.73	1860
	24	75.2	20	68.0	19.86	12.11	0.61	1520	19.66	11.99	0.61	1534	19.44	11.86	0.61	1547	19.20	11.71	0.61	1560	19.01	11.59	0.61	1568	18.80	11.47	0.61	1619	18.54	11.31	0.61	1689	18.21	11.11	0.61	1802	17.78	10.85	0.61	1884
	24	75.2	22	71.6	20.19	9.89	0.49	1536	19.99	9.80	0.49	1550	19.78	9.69	0.49	1564	19.52	9.57	0.49	1576	19.33	9.47	0.49	1584	19.12	9.37	0.49	1635	18.85	9.24	0.49	1706	18.52	9.08	0.49	1818	18.09	8.86	0.49	1901
	24	75.2	24	75.2	20.48	7.58	0.37	1556	20.27	7.50	0.37	1570	20.05	7.42	0.37	1583	19.79	7.32	0.37	1596	19.60	7.25	0.37	1603	19.39	7.17	0.37	1655	19.12	7.07	0.37	1725	18.78	6.95	0.37	1838	18.34	6.79	0.37	1920
	25	77.0	18	64.4	19.86	15.29	0.77	1511	19.66	15.14	0.77	1525	19.45	14.98	0.77	1539	19.20	14.78	0.77	1551	19.01	14.64	0.77	1559	18.80	14.48	0.77	1611	18.54	14.28	0.77	1682	18.22	14.03	0.77	1796	17.79	13.70	0.77	1879
	25	77.0	20	68.0	20.47	13.31	0.65	1535	20.27	13.17	0.65	1549	20.05	13.03	0.65	1563	19.79	12.86	0.65	1576	19.59	12.74	0.65	1583	19.38	12.60	0.65	1635	19.11	12.42	0.65	1706	18.77	12.20	0.65	1820	18.33	11.92	0.65	1903
	25	77.0	22	71.6	20.82	11.03	0.53	1552	20.61	10.92	0.53	1566	20.39	10.81	0.53	1580	20.13	10.67	0.53	1592	19.93	10.56	0.53	1600	19.71	10.45	0.53	1652	19.44	10.30	0.53	1723	19.09	10.12	0.53	1837	18.65	9.88	0.53	1920
	25	77.0	24	75.2	21.11	8.65	0.41	1572	20.90	8.57	0.41	1585	20.67	8.48	0.41	1599	20.41	8.37	0.41	1612	20.21	8.28	0.41	1620	19.99	8.19	0.41	1672	19.71	8.08	0.41	1743	19.36	7.94	0.41	1856	18.91	7.75	0.41	1939
	26	78.8	18	64.4	20.48	16.59	0.81	1526	20.27	16.42	0.81	1540	20.05	16.24	0.81	1554	19.80	16.03	0.81	1567	19.60	15.88	0.81	1575	19.39	15.70	0.81	1627	19.12	15.49	0.81	1699	18.78	15.21	0.81	1814	18.34	14.86	0.81	1898
	26	78.8	20	68.0	21.10	14.56	0.69	1551	20.89	14.42	0.69	1565	20.67	14.26	0.69	1579	20.40	14.08	0.69	1591	20.20	13.94	0.69	1599	19.98	13.79	0.69	1652	19.70	13.60	0.69	1724	19.36	13.35	0.69	1838	18.90	13.04	0.69	1922
	26	78.8	22	71.6	21.46	12.23	0.57	1568	21.25	12.11	0.57	1582	21.02	11.98	0.57	1596	20.75	11.83	0.57	1608	20.54	11.71	0.57	1616	20.32	11.58	0.57	1669	20.04	11.42	0.57	1740	19.68	11.22	0.57	1855	19.22	10.96	0.57	1939
	26	78.8	24	75.2	21.76	9.79	0.45	1587	21.55	9.70	0.45	1601	21.31	9.59	0.45	1616	21.04	9.47	0.45	1628	20.83	9.37	0.45	1636	20.60	9.27	0.45	1688	20.32	9.14	0.45	1760	19.96	8.98	0.45	1875	19.49	8.77	0.45	1959
	26	78.8	26	78.8	22.11	7.30	0.33	1610	21.89	7.22	0.33	1624	21.65	7.15	0.33	1638	21.37	7.05	0.33	1651	21.16	6.98	0.33	1659	20.93	6.91	0.33	1711	20.64	6.81	0.33	1783	20.28	6.69	0.33	1898	19.80	6.54	0.33	1982
	27	80.6	18	64.4	20.89	17.76	0.85	1542	20.69	17.58	0.85	1556	20.46	17.39	0.85	1570	20.20	17.17	0.85	1583	20.00	17.00	0.85	1591	19.78	16.81	0.85	1643	19.51	16.58	0.85	1716	19.16	16.29	0.85	1832	18.71	15.91	0.85	1917
	27	80.6	19	66.2	21.32	16.84	0.79	1552	21.11	16.68	0.79	1566	20.88	16.49	0.79	1580	20.61	16.28	0.79	1593	20.41	16.12	0.79	1601	20.19	15.95	0.79	1653	19.91	15.73	0.79	1726	19.55	15.45	0.79	1842	19.10	15.09	0.79	1927
	27	80.6	20	68.0	21.53	15.72	0.73	1567	21.32	15.56	0.73	1581	21.09	15.39	0.73	1595	20.82	15.20	0.73	1608	20.61	15.05	0.73	1616	20.39	14.88	0.73	1668	20.11	14.68	0.73	1741	19.75	14.42	0.73	1857	19.29	14.08	0.73	1942
	27	80.6	22	71.6	21.90	13.36	0.61	1584	21.68	13.23	0.61	1598	21.45	13.08	0.61	1612	21.17	12.91	0.61	1625	20.96	12.79	0.61	1633	20.73	12.65	0.61	1685	20.45	12.47	0.61	1758	20.09	12.25	0.61	1874	19.62	11.97	0.61	1959
	27	80.6	24	75.2	22.21	10.88	0.49	1604	21.99	10.77	0.49	1618	21.75	10.66	0.49	1632	21.47	10.52	0.49	1645	21.26	10.42	0.49	1653	21.02	10.30	0.49	1705	20.73	10.16	0.49	1778	20.37	9.98	0.49	1894	19.89	9.75	0.49	1979
	27	80.6	26	78.8	22.56	8.35	0.37	1627	22.34	8.26	0.37	1641	22.09	8.18	0.37	1655	21.81	8.07	0.37	1668	21.60	7.99	0.37	1676	21.36	7.90	0.37	1728	21.07	7.79	0.37	1801	20.69	7.66	0.37	1917	20.21	7.48	0.37	2002
	28	82.4	18	64.4	21.10	18.78	0.89	1557	20.89	18.60	0.89	1571	20.67	18.39	0.89	1586	20.40	18.16	0.89	1598	20.20	17.98	0.89	1606	19.98	17.78	0.89	1660	19.70	17.54	0.89	1733	19.36	17.23	0.89	1850	18.90	16.82	0.89	1936
	28	82.4	20	68.0	21.53	16.58	0.77	1582	21.32	16.42	0.77	1596	21.09	16.24	0.77	1611	20.82	16.03	0.77	1624	20.61	15.87	0.77	1632	20.39	15.70	0.77	1685	20.11	15.48	0.77	1758	19.75	15.21	0.77	1876	19.29	14.85	0.77	1961
	28	82.4	22	71.6	21.75	14.14	0.65	1599	21.53	14.00	0.65	1614	21.30	13.84	0.65	1628	21.03	13.67	0.65	1641	20.82	13.53	0.65	1649	20.59	13.38	0.65	1702	20.31	13.20	0.65	1776	19.95	12.97	0.65	1893	19.48	12.66	0.65	1978
	28	82.4	24	75.2	22.12	11.72	0.53	1620	21.90	11.61	0.53	1634	21.66	11.48	0.53	1648	21.38	11.33	0.53	1661	21.17	11.22	0.53	1669	20.94	11.10	0.53	1723	20.65	10.95	0.53	1796	20.29	10.75	0.53	1913	19.81	10.50	0.53	1999
	28	82.4	26	78.8	22.43	9.20	0.41	1643	22.21	9.10	0.41	1657	21.96	9.01	0.41	1671	21.68	8.89	0.41	1684	21.47	8.80	0.41	1692	21.23	8.71	0.41	1746	20.94	8.59	0.41	1819	20.57	8.43	0.41	1936	20.09	8.24	0.41	2022
	29	84.2	18	64.4	21.31	19.40	0.91	1572	21.10	19.20	0.91	1587	20.87	18.99	0.91	1601	20.61	18.75	0.91	1614	20.40	18.56	0.91	1623	20.18	18.36	0.91	1677	19.90	18.11	0.91	1750	19.55	17.79	0.91	1869	19.09	17.37	0.91	1955
	29	84.2	20	68.0	21.75	17.62	0.81	1598	21.53	17.44	0.81	1612	21.30	17.25	0.81	1627	21.03	17.03	0.81	1640	20.82	16.86	0.81	1648	20.59	16.68	0.81	1702	20.31	16.45	0.81	1776	19.95	16.16	0.81	1894	19.48	15.78	0.81	1981
	29	84.2	22	71.6	22.18	15.31	0.69	1615	21.96	15.16	0.69	1630	21.72	14.99	0.69	1644	21.45	14.80	0.69	1657	21.23	14.65	0.69	1665	21.00	14.49	0.69	1719	20.71	14.29	0.69	1793	20.35	14.04	0.69	1912	19.87	13.71	0.69	1998
	29	84.2	24	75.2	22.34	12.73	0.57	1636	22.12	12.61	0.57	1650	21.88	12.47	0.57	1665	21.60	12.31	0.57	1678	21.38	12.19	0.57	1686	21.15	12.06	0.57	1740	20.86	11.89	0.57	1814	20.49	11.68	0.57	1932	20.01	11.41	0.57	2019
	29	84.2	26	78.8	22.65	10.19	0.45	1659	22.43	10.09	0.45	1674	22.18	9.98	0.45	1688	21.90	9.85	0.45	1701	21.68	9.76	0.45	1709	21.45	9.65	0.45	1763	21.15	9.52	0.45	1837	20.78	9.35	0.45	1956	20.29	9.13	0.45	2042
	30	86.0	18	64.4	21.53	19.59	0.91	1588	21.31	19.40	0.91	1603	21.08	19.18	0.91	1617	20.81	18.94	0.91	1631	20.61	18.75	0.91	1639	20.38	18.55	0.91	1693	20.10	18.29	0.91	1768	19.74	17.97	0.91	1888	19.28	17.55	0.91	1975
	30	86.0	20	68.0	21.97	18.67	0.85	1614	21.75	18.49	0.85	1628	21.51	18.29	0.85	1643	21.24	18.05	0.85	1656	21.03	17.87	0.85	1665	20.80	17.68	0.85	1719	20.51	17.43	0.85	1794	20.15	17.12	0.85	1913	19.67	16.72	0.85	2001
	30	86.0	22	71.6	22.41	16.36	0.73	1631	22.18	16.19	0.73	1646	21.94	16.02	0.73	1661	21.66	15.81	0.73	1674	21.45	15.66	0.73	1682	21.21	15.49	0.73	1737	20.92	15.27	0.73	1811	20.55	15.00	0.73	1931	20.07	14.65	0.73	2018
	30	86.0	24	75.2	22.56	13.76	0.61	1652	22.34	13.63	0.61	1667	22.10	13.48	0.61	1681	21.81	13.31	0.61	1694	21.60	13.17	0.61	1703	21.36	13.03	0.61	1757	21.07	12.85	0.61	1832	20.69	12.62	0.61	1951	20.21	12.33	0.61	2039
	30	86.0	26	78.8	22.88	11.21	0.49	1676	22.65	11.10	0.49	1690	22.41	10.98	0.49	1705	22.12	10.84	0.49	1718	21.90	10.73	0.49	1726	21.66	10.61	0.49	1781	21.36	10.47	0.49	1856	20.98	10.28	0.49	1975	20.49	10.04	0.49	2062
	31	87.8	18	64.4	21.74	19.79	0.91	1604	21.53	19.59	0.91	1619	21.29	19.38	0.91	1634	21.02	19.13	0.91	1647	20.81	18.94	0.91	1655	20.58	18.73	0.91	1710	20.30	18.47	0.91	1786	19.94	18.15	0.91	1906	19.47	17.72	0.91	1995
	31	87.8	20	68.0	22.19	19.75	0.89	1630	21.97	19.53	0.89	1645	21.73	19.34	0.89	1660	21.45	19.09	0.89	1673	21.24	18.90	0.89	1681	21.00	18.69	0.89	1736	20.71	18.44	0.89	1812	20.35	18.11	0.89	1932	19.87	17.69	0.89	2021
	31	87.8	22	71.6	22.63	17.42	0.77	1648	22.41	17.25	0.77	1662	22.16	17.06	0.77	1677	21.88	16.85	0.77	1691	21.66	16.68	0.77	1699	21.42	16.50	0.77	1754	21.13	16.27	0.77	1829	20.76	15.98	0.77	1950	20.27	15.61	0.77	2038
	31	87.8	24	75.2	22.79	14.81	0.65	1669	22.56	14.67	0.65	1683	22.32	14.51	0.65	1698	22.03	14.32	0.65	1711	21.81	14.18	0.65	1720	21.58	14.02	0.65	1775	21.28	13.83	0.65	1850	20.90	13.59	0.65	1971	20.41	13.27	0.65	2059
	31	87.8	26	78.8	23.11	12.25	0.53	1693	22.88	12.13	0.53	1707	22.63	11.99	0.53	1722	22.34	11.84	0.53	1735	22.12	11.72	0.53	1744	21.88	11.60	0.53	1799	21.58	11.44	0.53	1874	21.19	11.23	0.53	1995	20.70	10.97	0.53	2083
	32	89.6	18	64.4	21.96	19.98	0.91	1620	21.74	19.79	0.91	1635	21.51	19.57	0.91	1650	21.23	19.32	0.91	1663	21.02	19.13	0.91	1672	20.79	18.92	0.91	1727	20.50	18.66	0.91	1804	20.14	18.33	0.91	1925	19.67	17.90	0.91	2015
	32	89.6	20	68.0	22.41	20.39	0.91	1646	22.19	20.19	0.91	1661	21.94	19.97	0.91	1676	21.66	19.71	0.91	1690	21.45	19.52	0.91	1698	21.21	19.31	0.91	1754	20.92	19.04	0.91	1830	20.55	18.70	0.91	1952	20.07	18.26	0.91	2041
	32	89.6	22	71.6	22.86	18.51	0.81	1664	22.63	18.33	0.81	1679	22.38	18.13	0.81	1694	22.10	17.90	0.81	1707	21.88	17.72	0.81	1716	21.64	17.53	0.81	1771	21.34	17.29	0.81	1848	20.96	16.98	0.81	1970	20.47	16.58	0.81	2059
	32	89.6	24	75.2	23.02	15.88	0.69	1685	22.79	15.72	0.69	1700	22.54	15.55	0.69	1715	22.25	15.35	0.69	1728	22.03	15.20	0.69	1737	21.79	15.04	0.69	1792	21.49	14.83	0.69	1869	21.11	14.57	0.69	1991	20.62	14.22	0.69	2080
	32	89.6	26	78.8	23.34	13.30	0.57	1709	23.11	13.17	0.57	1724	22.86	13.03	0.57	1739	22.56	12.86	0.57	1753	22.34	12.73	0.57	1761	22.10	12.59	0.57	1817	21.79	12.42	0.57	1893	21.41	12.20	0.57	2015	20.90	11.92	0.57	2104

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)				53.8(128.8F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
110%	21	69.8	18	64.4	15.61	9.52	0.61	1872	14.51	8.85	0.61	1966	14.37	8.77	0.61	1986	11.85	7.23	0.61	2062	11.50	7.01	0.61	2077	10.23	6.24	0.61	2118	9.83	5.99	0.61	2140	9.33	5.69	0.61	2183	8.77	5.35	0.61	2226
	21	69.8	20	68.0	16.25	7.96	0.49	1896	15.11	7.41	0.49	1990	14.96	7.33	0.49	2010	12.34	6.05	0.49	2086	11.97	5.87	0.49	2100	10.66	5.22	0.49	2142	10.23	5.01	0.49	2163	9.72	4.76	0.49	2206	9.14	4.48	0.49	2250
	22	71.6	18	64.4	16.09	10.46	0.65	1891	14.96	9.73	0.65	1986	14.81	9.63	0.65	2006	12.22	7.94	0.65	2083	11.85	7.71	0.65	2098	10.55	6.86	0.65	2140	10.13	6.58	0.65	2161	9.62	6.25	0.65	2205	9.05	5.88	0.65	2249
	22	71.6	20	68.0	16.58	8.79	0.53	1915	15.42	8.17	0.53	2010	15.27	8.09	0.53	2030	12.60	6.68	0.53	2107	12.22	6.48	0.53	2121	10.87	5.76	0.53	2163	10.44	5.53	0.53	2185	9.92	5.26	0.53	2228	9.32	4.94	0.53	2273
	22	71.6	22	71.6	16.86	6.91	0.41	1931	15.68	6.43	0.41	2026	15.53	6.37	0.41	2046	12.81	5.25	0.41	2123	12.43	5.09	0.41	2137	11.06	4.53	0.41	2180	10.62	4.35	0.41	2201	10.09	4.14	0.41	2245	9.48	3.89	0.41	2289
	23	73.4	18	64.4	16.42	11.33	0.69	1910	15.27	10.54	0.69	2006	15.12	10.43	0.69	2027	12.47	8.61	0.69	2104	12.10	8.35	0.69	2119	10.77	7.43	0.69	2161	10.34	7.13	0.69	2183	9.82	6.77	0.69	2227	9.23	6.37	0.69	2272
	23	73.4	20	68.0	16.92	9.64	0.57	1934	15.74	8.97	0.57	2030	15.58	8.88	0.57	2051	12.85	7.33	0.57	2128	12.47	7.11	0.57	2143	11.10	6.32	0.57	2185	10.65	6.07	0.57	2207	10.12	5.77	0.57	2251	9.51	5.42	0.57	2296
	23	73.4	22	71.6	17.21	7.74	0.45	1951	16.00	7.20	0.45	2047	15.84	7.13	0.45	2067	13.07	5.88	0.45	2144	12.68	5.71	0.45	2159	11.28	5.08	0.45	2202	10.83	4.87	0.45	2223	10.29	4.63	0.45	2267	9.67	4.35	0.45	2312
	24	75.2	18	64.4	16.75	12.23	0.73	1930	15.58	11.37	0.73	2027	15.42	11.26	0.73	2047	12.73	9.29	0.73	2125	12.34	9.01	0.73	2140	10.99	8.02	0.73	2183	10.55	7.70	0.73	2205	10.02	7.31	0.73	2249	9.42	6.88	0.73	2295
	24	75.2	20	68.0	17.27	10.53	0.61	1954	16.06	9.80	0.61	2051	15.90	9.70	0.61	2071	13.12	8.00	0.61	2149	12.72	7.76	0.61	2164	11.32	6.91	0.61	2207	10.87	6.63	0.61	2229	10.33	6.30	0.61	2274	9.71	5.92	0.61	2319
	24	75.2	22	71.6	17.56	8.60	0.49	1970	16.33	8.00	0.49	2067	16.17	7.92	0.49	2088	13.34	6.54	0.49	2166	12.94	6.34	0.49	2181	11.51	5.64	0.49	2224	11.05	5.42	0.49	2246	10.50	5.15	0.49	2290	9.87	4.84	0.49	2335
	24	75.2	24	75.2	17.81	6.59	0.37	1990	16.56	6.13	0.37	2087	16.39	6.07	0.37	2107	13.52	5.00	0.37	2185	13.12	4.85	0.37	2200	11.68	4.32	0.37	2243	11.21	4.15	0.37	2265	10.65	3.94	0.37	2309	10.01	3.70	0.37	2355
	25	77.0	18	64.4	17.27	13.30	0.77	1949	16.06	12.37	0.77	2047	15.90	12.24	0.77	2068	13.12	10.10	0.77	2147	12.73	9.80	0.77	2162	11.33	8.72	0.77	2205	10.87	8.37	0.77	2227	10.33	7.95	0.77	2272	9.71	7.48	0.77	2318
	25	77.0	20	68.0	17.80	11.57	0.65	1974	16.55	10.76	0.65	2072	16.39	10.65	0.65	2092	13.52	8.79	0.65	2171	13.12	8.52	0.65	2186	11.67	7.59	0.65	2230	11.21	7.28	0.65	2252	10.65	6.92	0.65	2297	10.01	6.50	0.65	2342
	25	77.0	22	71.6	18.10	9.59	0.53	1990	16.84	8.92	0.53	2088	16.67	8.83	0.53	2109	13.75	7.29	0.53	2188	13.34	7.07	0.53	2203	11.87	6.29	0.53	2246	11.40	6.04	0.53	2268	10.83	5.74	0.53	2313	10.18	5.39	0.53	2359
	25	77.0	24	75.2	18.36	7.53	0.41	2010	17.07	7.00	0.41	2108	16.90	6.93	0.41	2128	13.94	5.72	0.41	2207	13.52	5.55	0.41	2222	12.04	4.94	0.41	2266	11.56	4.74	0.41	2288	10.98	4.50	0.41	2333	10.32	4.23	0.41	2378
	26	78.8	18	64.4	17.81	14.42	0.81	1969	16.56	13.41	0.81	2068	16.39	13.28	0.81	2089	13.52	10.96	0.81	2168	13.12	10.63	0.81	2184	11.68	9.46	0.81	2227	11.21	9.08	0.81	2250	10.65	8.63	0.81	2295	10.01	8.11	0.81	2341
	26	78.8	20	68.0	18.35	12.66	0.69	1994	17.07	11.78	0.69	2093	16.90	11.66	0.69	2113	13.94	9.62	0.69	2193	13.52	9.33	0.69	2208	12.03	8.30	0.69	2252	11.55	7.97	0.69	2275	10.97	7.57	0.69	2320	10.32	7.12	0.69	2366
	26	78.8	22	71.6	18.66	10.64	0.57	2010	17.36	9.89	0.57	2109	17.18	9.79	0.57	2130	14.18	8.08	0.57	2210	13.75	7.84	0.57	2225	12.24	6.98	0.57	2269	11.75	6.70	0.57	2291	11.16	6.36	0.57	2337	10.49	5.98	0.57	2383
	26	78.8	24	75.2	18.92	8.52	0.45	2030	17.60	7.92	0.45	2129	17.42	7.84	0.45	2150	14.37	6.47	0.45	2230	13.94	6.27	0.45	2245	12.41	5.58	0.45	2289	11.91	5.36	0.45	2311	11.32	5.09	0.45	2356	10.64	4.79	0.45	2402
	26	78.8	26	78.8	19.23	6.34	0.33	2053	17.88	5.90	0.33	2152	17.70	5.84	0.33	2173	14.60	4.82	0.33	2252	14.17	4.67	0.33	2268	12.61	4.16	0.33	2312	12.10	3.99	0.33	2334	11.50	3.79	0.33	2379	10.81	3.57	0.33	2425
	27	80.6	18	64.4	18.17	15.44	0.85	1989	16.90	14.36	0.85	2089	16.73	14.22	0.85	2110	13.80	11.73	0.85	2190	13.39	11.38	0.85	2206	11.91	10.13	0.85	2250	11.44	9.72	0.85	2273	10.87	9.24	0.85	2318	10.21	8.68	0.85	2365
	27	80.6	19	66.2	18.54	14.65	0.79	1999	17.24	13.62	0.79	2099	17.07	13.49	0.79	2120	14.08	11.13	0.79	2200	13.66	10.79	0.79	2216	12.16	9.60	0.79	2260	11.67	9.22	0.79	2283	11.09	8.76	0.79	2328	10.42	8.23	0.79	2375
	27	80.6	20	68.0	18.73	13.67	0.73	2014	17.41	12.71	0.73	2114	17.24	12.59	0.73	2135	14.22	10.38	0.73	2215	13.80	10.07	0.73	2231	12.28	8.96	0.73	2275	11.79	8.61	0.73	2298	11.20	8.17	0.73	2343	10.53	7.68	0.73	2390
	27	80.6	22	71.6	19.04	11.62	0.61	2031	17.71	10.80	0.61	2131	17.53	10.70	0.61	2152	14.47	8.82	0.61	2232	14.03	8.56	0.61	2248	12.49	7.62	0.61	2292	11.99	7.31	0.61	2315	11.39	6.95	0.61	2360	10.71	6.53	0.61	2407
	27	80.6	24	75.2	19.31	9.46	0.49	2051	17.96	8.80	0.49	2151	17.78	8.71	0.49	2172	14.67	7.19	0.49	2252	14.23	6.97	0.49	2268	12.66	6.20	0.49	2312	12.16	5.96	0.49	2335	11.55	5.66	0.49	2380	10.86	5.32	0.49	2427
	27	80.6	26	78.8	19.62	7.26	0.37	2074	18.25	6.75	0.37	2174	18.06	6.68	0.37	2195	14.90	5.51	0.37	2275	14.46	5.35	0.37	2291	12.87	4.76	0.37	2335	12.35	4.57	0.37	2358	11.73	4.34	0.37	2403	11.03	4.08	0.37	2450
	28	82.4	18	64.4	18.35	16.33	0.89	2009	17.07	15.19	0.89	2110	16.90	15.04	0.89	2131	13.94	12.41	0.89	2212	13.52	12.03	0.89	2228	12.03	10.71	0.89	2272	11.55	10.28	0.89	2295	10.97	9.77	0.89	2341	10.32	9.18	0.89	2388
	28	82.4	20	68.0	18.73	14.42	0.77	2034	17.41	13.41	0.77	2135	17.24	13.28	0.77	2156	14.22	10.95	0.77	2237	13.80	10.62	0.77	2253	12.28	9.45	0.77	2298	11.79	9.08	0.77	2321	11.20	8.62	0.77	2367	10.53	8.11	0.77	2414
	28	82.4	22	71.6	18.91	12.29	0.65	2051	17.59	11.43	0.65	2152	17.41	11.32	0.65	2173	14.37	9.34	0.65	2255	13.93	9.06	0.65	2270	12.40	8.06	0.65	2315	11.91	7.74	0.65	2338	11.31	7.35	0.65	2384	10.63	6.91	0.65	2431
	28	82.4	24	75.2	19.23	10.19	0.53	2071	17.89	9.48	0.53	2172	17.71	9.39	0.53	2193	14.61	7.74	0.53	2275	14.17	7.51	0.53	2290	12.61	6.68	0.53	2335	12.11	6.42	0.53	2358	11.50	6.10	0.53	2404	10.81	5.73	0.53	2451
	28	82.4	26	78.8	19.50	8.00	0.41	2094	18.14	7.44	0.41	2195	17.96	7.36	0.41	2217	14.81	6.07	0.41	2298	14.37	5.89	0.41	2314	12.79	5.24	0.41	2358	12.28	5.03	0.41	2381	11.66	4.78	0.41	2427	10.96	4.50	0.41	2474
	29	84.2	18	64.4	18.53	16.87	0.91	2029	17.24	15.69	0.91	2131	17.06	15.53	0.91	2152	14.08	12.81	0.91	2234	13.66	12.43	0.91	2250	12.15	11.06	0.91	2295	11.67	10.62	0.91	2318	11.08	10.09	0.91	2365	10.42	9.48	0.91	2412
	29	84.2	20	68.0	18.91	15.32	0.81	2054	17.59	14.25	0.81	2156	17.41	14.10	0.81	2178	14.37	11.64	0.81	2260	13.93	11.29	0.81	2275	12.40	10.05	0.81	2321	11.91	9.64	0.81	2344	11.31	9.16	0.81	2390	10.63	8.61	0.81	2438
	29	84.2	22	71.6	19.29	13.31	0.69	2072	17.94	12.38	0.69	2174	17.76	12.26	0.69	2195	14.65	10.11	0.69	2277	14.21	9.81	0.69	2293	12.65	8.73	0.69	2338	12.14	8.38	0.69	2361	11.54	7.96	0.69	2408	10.84	7.48	0.69	2455
	29	84.2	24	75.2	19.43	11.07	0.57	2092	18.07	10.30	0.57	2194	17.89	10.20	0.57	2215	14.76	8.41	0.57	2297	14.31	8.16	0.57	2313	12.74	7.26	0.57	2358	12.23	6.97	0.57	2381	11.62	6.62	0.57	2428	10.92	6.22	0.57	2476
	29	84.2	26	78.8	19.70	8.86	0.45	2115	18.32	8.24	0.45	2217	18.14	8.16	0.45	2239	14.96	6.73	0.45	2321	14.51	6.53	0.45	2337	12.92	5.81	0.45	2382	12.40	5.58	0.45	2405	11.78	5.30	0.45	2451	11.07	4.98	0.45	2499
	30	86.0	18	64.4	18.72	17.03	0.91	2049	17.41	15.84	0.91	2152	17.24	15.68	0.91	2174	14.22	12.94	0.91	2257	13.79	12.55	0.91	2272	12.28	11.17	0.91	2318	11.78	10.72	0.91	2341	11.20	10.19	0.91	2388	10.52	9.58	0.91	2436
	30	86.0	20	68.0	19.10	16.24	0.85	2075	17.76	15.10	0.85	2178	17.59	14.95	0.85	2199	14.51	12.33	0.85	2282	14.07	11.96	0.85	2298	12.53	10.65	0.85	2344	12.02	10.22	0.85	2367	11.42	9.71	0.85	2414	10.74	9.13	0.85	2462
	30	86.0	22	71.6	19.48	14.22	0.73	2092	18.12	13.23	0.73	2195	17.94	13.10	0.73	2217	14.80	10.80	0.73	2300	14.36	10.48	0.73	2316	12.78	9.33	0.73	2361	12.27	8.95	0.73	2385	11.65	8.51	0.73	2432	10.95	8.00	0.73	2480
	30	86.0	24	75.2	19.62	11.97	0.61	2113	18.25	11.13	0.61	2216	18.06	11.02	0.61	2237	14.90	9.09	0.61	2320	14.46	8.82	0.61	2336	12.87	7.85	0.61	2382	12.35	7.53	0.61	2405	11.73	7.16	0.61	2452	11.03	6.73	0.61	2500
	30	86.0	26	78.8	19.90	9.75	0.49	2137	18.50	9.07	0.49	2240	18.32	8.98	0.49	2261	15.11	7.40	0.49	2344	14.66	7.18	0.49	2360	13.05	6.39	0.49	2406	12.52	6.14	0.49	2429	11.90	5.83	0.49	2476	11.18	5.48	0.49	2524
	31	87.8	18	64.4	18.91	17.21	0.91	2070	17.58	16.00	0.91	2173	17.41	15.84	0.91	2195	14.36	13.07	0.91	2279	13.93	12.68	0.91	2295	12.40	11.28	0.91	2341	11.90	10.83	0.91	2365	11.31	10.29	0.91	2412	10.63	9.67	0.91	2461
	31	87.8	20	68.0	19.29	17.17	0.89	2096	17.94	15.97	0.89	2200	17.76	15.81	0.89	2221	14.65	13.04	0.89	2305	14.21	12.65	0.89	2321	12.65	11.26	0.89	2367	12.15	10.81	0.89	2391	11.54	10.27	0.89	2438	10.85	9.65	0.89	2487
	31	87.8	22	71.6	19.68	15.15	0.77	2113	18.30	14.09	0.77	2217	18.12	13.95	0.77	2239	14.95	11.51	0.77	2323	14.50	11.16	0.77	2339	12.90	9.94	0.77	2385	12.39	9.54	0.77	2409	11.77	9.06	0.77	2456	11.06	8.52	0.77	2504
	31	87.8	24	75.2	19.82	12.88	0.65	2134	18.43	11.98	0.65	2238	18.25	11.86	0.65	2260	15.05	9.78	0.65	2344	14.60	9.49	0.65	2360	12.99	8.45	0.65	2406	12.48	8.11	0.65	2429	11.85	7.70	0.65	2477	11.14	7.24	0.65	2525
	31	87.8	26	78.8	20.09	10.65	0.53	2158	18.69	9.90	0.53	2262	18.50	9.81	0.53	2284	15.26	8.09	0.53	2368	14.81	7.85	0.53	2384	13.18	6.98	0.53	2430	12.65	6.70	0.53	2453	12.02	6.37	0.53	2501	11.30	5.99	0.53	2549
	32	89.6	18	64.4	19.10	17.38	0.91	2090	17.76	16.16	0.91	2195	17.58	16.00	0.91	2217	14.50	13.20	0.91	2302	14.07	12.80	0.91	2318	12.52	11.40	0.91	2365	12.02	10.94	0.91	2388	11.42	10.39	0.91	2436	10.73	9.77	0.91	2485
	32	89.6	20	68.0	19.49	17.73	0.91	2116	18.12	16.49	0.91	2222	17.94	16.33	0.91	2244	14.80	13.47	0.91	2328	14.36	13.06	0.91	2344	12.78	11.63	0.91	2391	12.27	11.16	0.91	2415	11.65	10.60	0.91	2463	10.95	9.97	0.91	2512
	32	89.6	22	71.6	19.88	16.10	0.81	2134	18.48	14.97	0.81	2239	18.30	14.82	0.81	2261	15.10	12.23	0.81	2346	14.64	11.86	0.81	2362	13.03	10.56	0.81	2409	12.51	10.13	0.81	2433	11.89	9.63	0.81	2481	11.17	9.05	0.81	2530
	32	89.6	24	75.2	20.02	13.81	0.69	2155	18.61	12.84	0.69	2260	18.43	12.72	0.69	2282	15.20	10.49	0.69	2367	14.75	10.18	0.69	2383	13.12	9.06	0.69	2430	12.60	8.69	0.69	2454	11.97	8.26	0.69	2502	11.25	7.76	0.69	2551
	32	89.6	26	78.8	20.30	11.57	0.57	2180	18.87	10.76	0.57	2285	18.69	10.65	0.57	2307	15.42	8.79	0.57	2391	14.95	8.52	0.57	2407	13.31	7.59	0.57	2454	12.78	7.28	0.57	2478	12.14	6.92	0.57	2526	11.41	6.50	0.57	2575

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
100%	21	69.8	18	64.4	17.42	10.63	0.61	1416	17.25	10.52	0.61	1429	17.06	10.41	0.61	1442	16.85	10.28	0.61	1453	16.68	10.17	0.61	1461	16.50	10.06	0.61	1509	16.27	9.92	0.61	1576	15.98	9.75	0.61	1683	15.61	9.52	0.61	1760
	21	69.8	20	68.0	18.14	8.89	0.49	1439	17.96	8.80	0.49	1452	17.77	8.71	0.49	1465	17.54	8.59	0.49	1477	17.37	8.51	0.49	1484	17.18	8.42	0.49	1533	16.94	8.30	0.49	1599	16.64	8.15	0.49	1706	16.25	7.96	0.49	1784
	22	71.6	18	64.4	17.96	11.68	0.65	1430	17.79	11.56	0.65	1443	17.59	11.44	0.65	1456	17.37	11.29	0.65	1468	17.19	11.18	0.65	1475	17.01	11.05	0.65	1525	16.77	10.90	0.65	1592	16.48	10.71	0.65	1700	16.09	10.46	0.65	1778
	22	71.6	20	68.0	18.51	9.81	0.53	1454	18.33	9.72	0.53	1467	18.13	9.61	0.53	1480	17.90	9.49	0.53	1492	17.72	9.39	0.53	1499	17.53	9.29	0.53	1548	17.29	9.16	0.53	1616	16.98	9.00	0.53	1723	16.58	8.79	0.53	1802
	22	71.6	22	71.6	18.83	7.72	0.41	1470	18.64	7.64	0.41	1483	18.44	7.56	0.41	1496	18.20	7.46	0.41	1508	18.02	7.39	0.41	1515	17.83	7.31	0.41	1565	17.58	7.21	0.41	1632	17.27	7.08	0.41	1739	16.86	6.91	0.41	1818
	23	73.4	18	64.4	18.33	12.65	0.69	1444	18.15	12.52	0.69	1458	17.95	12.39	0.69	1471	17.72	12.23	0.69	1483	17.55	12.11	0.69	1490	17.35	11.97	0.69	1540	17.12	11.81	0.69	1608	16.81	11.60	0.69	1717	16.42	11.33	0.69	1796
	23	73.4	20	68.0	18.89	10.77	0.57	1468	18.70	10.66	0.57	1482	18.50	10.55	0.57	1495	18.26	10.41	0.57	1507	18.08	10.31	0.57	1514	17.89	10.20	0.57	1564	17.64	10.05	0.57	1632	17.33	9.88	0.57	1741	16.92	9.64	0.57	1820
	23	73.4	22	71.6	19.21	8.65	0.45	1485	19.02	8.56	0.45	1498	18.82	8.47	0.45	1511	18.57	8.36	0.45	1523	18.39	8.28	0.45	1531	18.19	8.19	0.45	1580	17.94	8.07	0.45	1648	17.62	7.93	0.45	1757	17.21	7.74	0.45	1836
	24	75.2	18	64.4	18.70	13.65	0.73	1459	18.52	13.52	0.73	1472	18.32	13.37	0.73	1486	18.08	13.20	0.73	1498	17.90	13.07	0.73	1505	17.71	12.93	0.73	1556	17.46	12.75	0.73	1624	17.16	12.52	0.73	1734	16.75	12.23	0.73	1814
	24	75.2	20	68.0	19.28	11.76	0.61	1483	19.09	11.64	0.61	1497	18.88	11.52	0.61	1510	18.64	11.37	0.61	1522	18.45	11.26	0.61	1530	18.25	11.13	0.61	1580	18.00	10.98	0.61	1648	17.68	10.79	0.61	1758	17.27	10.53	0.61	1839
	24	75.2	22	71.6	19.60	9.61	0.49	1500	19.41	9.51	0.49	1513	19.20	9.41	0.49	1527	18.95	9.29	0.49	1539	18.77	9.20	0.49	1546	18.56	9.10	0.49	1596	18.30	8.97	0.49	1665	17.98	8.81	0.49	1775	17.56	8.60	0.49	1855
	24	75.2	24	75.2	19.88	7.36	0.37	1519	19.68	7.28	0.37	1533	19.47	7.20	0.37	1546	19.22	7.11	0.37	1558	19.03	7.04	0.37	1566	18.82	6.96	0.37	1616	18.56	6.87	0.37	1684	18.23	6.75	0.37	1794	17.81	6.59	0.37	1874
	25	77.0	18	64.4	19.28	14.85	0.77	1474	19.09	14.70	0.77	1487	18.88	14.54	0.77	1501	18.64	14.35	0.77	1513	18.46	14.21	0.77	1521	18.26	14.06	0.77	1571	18.00	13.86	0.77	1641	17.69	13.62	0.77	1752	17.27	13.30	0.77	1833
	25	77.0	20	68.0	19.87	12.92	0.65	1498	19.68	12.79	0.65	1512	19.46	12.65	0.65	1525	19.21	12.49	0.65	1538	19.02	12.36	0.65	1545	18.82	12.23	0.65	1596	18.56	12.06	0.65	1665	18.23	11.85	0.65	1776	17.80	11.57	0.65	1857
	25	77.0	22	71.6	20.21	10.71	0.53	1515	20.01	10.61	0.53	1528	19.79	10.49	0.53	1542	19.54	10.36	0.53	1554	19.35	10.25	0.53	1562	19.14	10.14	0.53	1612	18.87	10.00	0.53	1682	18.54	9.82	0.53	1793	18.10	9.59	0.53	1874
	25	77.0	24	75.2	20.49	8.40	0.41	1535	20.29	8.32	0.41	1548	20.07	8.23	0.41	1562	19.81	8.12	0.41	1574	19.62	8.04	0.41	1581	19.40	7.96	0.41	1632	19.14	7.85	0.41	1701	18.80	7.71	0.41	1812	18.36	7.53	0.41	1893
	26	78.8	18	64.4	19.88	16.10	0.81	1489	19.68	15.94	0.81	1502	19.47	15.77	0.81	1516	19.22	15.57	0.81	1528	19.03	15.41	0.81	1536	18.82	15.25	0.81	1587	18.56	15.03	0.81	1657	18.23	14.77	0.81	1769	17.81	14.42	0.81	1851
	26	78.8	20	68.0	20.49	14.14	0.69	1513	20.29	14.00	0.69	1527	20.06	13.84	0.69	1541	19.81	13.67	0.69	1553	19.61	13.53	0.69	1561	19.40	13.38	0.69	1612	19.13	13.20	0.69	1682	18.79	12.97	0.69	1794	18.35	12.66	0.69	1876
	26	78.8	22	71.6	20.84	11.88	0.57	1530	20.63	11.76	0.57	1544	20.41	11.63	0.57	1558	20.14	11.48	0.57	1570	19.94	11.37	0.57	1578	19.73	11.24	0.57	1629	19.45	11.09	0.57	1699	19.11	10.89	0.57	1811	18.66	10.64	0.57	1893
	26	78.8	24	75.2	21.13	9.51	0.45	1550	20.92	9.41	0.45	1564	20.69	9.31	0.45	1577	20.43	9.19	0.45	1590	20.22	9.10	0.45	1597	20.00	9.00	0.45	1648	19.73	8.88	0.45	1719	19.38	8.72	0.45	1831	18.92	8.52	0.45	1912
	26	78.8	26	78.8	21.47	7.08	0.33	1573	21.25	7.01	0.33	1586	21.02	6.94	0.33	1600	20.75	6.85	0.33	1612	20.55	6.78	0.33	1620	20.32	6.71	0.33	1671	20.04	6.61	0.33	1741	19.69	6.50	0.33	1853	19.23	6.34	0.33	1935
	27	80.6	18	64.4	20.29	17.24	0.85	1504	20.08	17.07	0.85	1517	19.87	16.89	0.85	1531	19.61	16.67	0.85	1544	19.42	16.50	0.85	1552	19.21	16.32	0.85	1603	18.94	16.10	0.85	1674	18.61	15.81	0.85	1787	18.17	15.44	0.85	1870
	27	80.6	19	66.2	20.70	16.35	0.79	1514	20.49	16.19	0.79	1527	20.27	16.01	0.79	1541	20.01	15.81	0.79	1554	19.81	15.65	0.79	1562	19.60	15.48	0.79	1613	19.33	15.27	0.79	1684	18.98	15.00	0.79	1797	18.54	14.65	0.79	1880
	27	80.6	20	68.0	20.91	15.26	0.73	1529	20.70	15.11	0.73	1542	20.47	14.95	0.73	1556	20.21	14.75	0.73	1569	20.01	14.61	0.73	1577	19.79	14.45	0.73	1628	19.52	14.25	0.73	1699	19.17	14.00	0.73	1812	18.73	13.67	0.73	1895
	27	80.6	22	71.6	21.26	12.97	0.61	1546	21.05	12.84	0.61	1559	20.82	12.70	0.61	1573	20.55	12.54	0.61	1586	20.35	12.41	0.61	1594	20.13	12.28	0.61	1645	19.85	12.11	0.61	1716	19.50	11.90	0.61	1829	19.04	11.62	0.61	1912
	27	80.6	24	75.2	21.56	10.56	0.49	1566	21.35	10.46	0.49	1579	21.11	10.35	0.49	1593	20.84	10.21	0.49	1606	20.64	10.11	0.49	1614	20.41	10.00	0.49	1665	20.13	9.86	0.49	1736	19.77	9.69	0.49	1849	19.31	9.46	0.49	1932
	27	80.6	26	78.8	21.90	8.10	0.37	1589	21.69	8.02	0.37	1602	21.45	7.94	0.37	1616	21.18	7.84	0.37	1629	20.97	7.76	0.37	1637	20.74	7.67	0.37	1688	20.45	7.57	0.37	1759	20.09	7.43	0.37	1872	19.62	7.26	0.37	1955
	28	82.4	18	64.4	20.49	18.23	0.89	1519	20.29	18.05	0.89	1533	20.06	17.86	0.89	1547	19.81	17.63	0.89	1559	19.61	17.45	0.89	1567	19.40	17.26	0.89	1619	19.13	17.03	0.89	1691	18.79	16.72	0.89	1805	18.35	16.33	0.89	1888
	28	82.4	20	68.0	20.91	16.10	0.77	1544	20.70	15.94	0.77	1558	20.47	15.76	0.77	1572	20.21	15.56	0.77	1584	20.01	15.41	0.77	1592	19.79	15.24	0.77	1644	19.52	15.03	0.77	1716	19.17	14.76	0.77	1830	18.73	14.42	0.77	1914
	28	82.4	22	71.6	21.12	13.72	0.65	1561	20.91	13.59	0.65	1575	20.68	13.44	0.65	1589	20.41	13.27	0.65	1602	20.21	13.14	0.65	1609	19.99	12.99	0.65	1662	19.72	12.81	0.65	1733	19.37	12.59	0.65	1847	18.91	12.29	0.65	1931
	28	82.4	24	75.2	21.47	11.38	0.53	1581	21.26	11.27	0.53	1595	21.03	11.15	0.53	1609	20.76	11.00	0.53	1622	20.55	10.89	0.53	1630	20.33	10.78	0.53	1682	20.05	10.63	0.53	1753	19.70	10.44	0.53	1868	19.23	10.19	0.53	1951
	28	82.4	26	78.8	21.77	8.93	0.41	1605	21.56	8.84	0.41	1618	21.32	8.74	0.41	1632	21.05	8.63	0.41	1645	20.84	8.55	0.41	1653	20.62	8.45	0.41	1705	20.33	8.34	0.41	1776	19.97	8.19	0.41	1891	19.50	8.00	0.41	1974
	29	84.2	18	64.4	20.69	18.83	0.91	1534	20.49	18.64	0.91	1548	20.26	18.44	0.91	1562	20.00	18.20	0.91	1575	19.81	18.02	0.91	1583	19.59	17.83	0.91	1635	19.32	17.58	0.91	1708	18.98	17.27	0.91	1823	18.53	16.87	0.91	1907
	29	84.2	20	68.0	21.12	17.10	0.81	1559	20.91	16.93	0.81	1573	20.68	16.75	0.81	1588	20.41	16.53	0.81	1600	20.21	16.37	0.81	1608	19.99	16.19	0.81	1661	19.72	15.97	0.81	1733	19.37	15.69	0.81	1849	18.91	15.32	0.81	1933
	29	84.2	22	71.6	21.54	14.86	0.69	1577	21.32	14.71	0.69	1591	21.09	14.55	0.69	1605	20.82	14.37	0.69	1618	20.62	14.22	0.69	1626	20.39	14.07	0.69	1678	20.11	13.88	0.69	1750	19.75	13.63	0.69	1866	19.29	13.31	0.69	1950
	29	84.2	24	75.2	21.69	12.36	0.57	1597	21.47	12.24	0.57	1611	21.24	12.11	0.57	1625	20.97	11.95	0.57	1638	20.76	11.83	0.57	1646	20.53	11.70	0.57	1699	20.25	11.54	0.57	1771	19.89	11.34	0.57	1886	19.43	11.07	0.57	1971
	29	84.2	26	78.8	21.99	9.90	0.45	1621	21.77	9.80	0.45	1635	21.54	9.69	0.45	1649	21.26	9.57	0.45	1661	21.05	9.47	0.45	1669	20.82	9.37	0.45	1722	20.53	9.24	0.45	1794	20.17	9.08	0.45	1910	19.70	8.86	0.45	1994
	30	86.0	18	64.4	20.90	19.02	0.91	1549	20.69	18.83	0.91	1563	20.47	18.63	0.91	1578	20.20	18.39	0.91	1590	20.00	18.20	0.91	1599	19.79	18.01	0.91	1652	19.51	17.76	0.91	1725	19.17	17.44	0.91	1841	18.72	17.03	0.91	1926
	30	86.0	20	68.0	21.33	18.13	0.85	1575	21.12	17.95	0.85	1589	20.89	17.75	0.85	1603	20.62	17.52	0.85	1616	20.41	17.35	0.85	1624	20.19	17.16	0.85	1677	19.91	16.93	0.85	1750	19.56	16.63	0.85	1867	19.10	16.24	0.85	1952
	30	86.0	22	71.6	21.75	15.88	0.73	1593	21.54	15.72	0.73	1607	21.30	15.55	0.73	1621	21.03	15.35	0.73	1634	20.82	15.20	0.73	1642	20.59	15.03	0.73	1695	20.31	14.83	0.73	1768	19.95	14.56	0.73	1885	19.48	14.22	0.73	1970
	30	86.0	24	75.2	21.91	13.36	0.61	1613	21.69	13.23	0.61	1627	21.45	13.09	0.61	1642	21.18	12.92	0.61	1654	20.97	12.79	0.61	1662	20.74	12.65	0.61	1716	20.45	12.48	0.61	1788	20.09	12.26	0.61	1905	19.62	11.97	0.61	1990
	30	86.0	26	78.8	22.21	10.88	0.49	1637	21.99	10.78	0.49	1651	21.75	10.66	0.49	1665	21.47	10.52	0.49	1678	21.26	10.42	0.49	1686	21.03	10.30	0.49	1739	20.74	10.16	0.49	1812	20.37	9.98	0.49	1929	19.90	9.75	0.49	2014
	31	87.8	18	64.4	21.11	19.21	0.91	1565	20.90	19.02	0.91	1579	20.67	18.81	0.91	1593	20.41	18.57	0.91	1606	20.20	18.39	0.91	1615	19.99	18.19	0.91	1668	19.71	17.94	0.91	1742	19.36	17.62	0.91	1860	18.91	17.21	0.91	1946
	31	87.8	20	68.0	21.54	19.17	0.89	1591	21.33	18.98	0.89	1605	21.09	18.77	0.89	1619	20.82	18.53	0.89	1632	20.62	18.35	0.89	1641	20.39	18.15	0.89	1694	20.11	17.90	0.89	1768	19.76	17.58	0.89	1886	19.29	17.17	0.89	1972
	31	87.8	22	71.6	21.97	16.92	0.77	1608	21.75	16.75	0.77	1623	21.52	16.57	0.77	1637	21.24	16.35	0.77	1650	21.03	16.19	0.77	1658	20.80	16.02	0.77	1712	20.51	15.80	0.77	1786	20.15	15.52	0.77	1903	19.68	15.15	0.77	1989
	31	87.8	24	75.2	22.12	14.38	0.65	1629	21.91	14.24	0.65	1644	21.67	14.08	0.65	1658	21.39	13.90	0.65	1671	21.18	13.77	0.65	1679	20.95	13.62	0.65	1733	20.66	13.43	0.65	1806	20.29	13.19	0.65	1924	19.82	12.88	0.65	2010
	31	87.8	26	78.8	22.43	11.89	0.53	1653	22.21	11.77	0.53	1667	21.97	11.64	0.53	1682	21.69	11.50	0.53	1695	21.47	11.38	0.53	1703	21.24	11.26	0.53	1757	20.95	11.10	0.53	1830	20.58	10.91	0.53	1948	20.09	10.65	0.53	2034
	32	89.6	18	64.4	21.32	19.40	0.91	1580	21.11	19.21	0.91	1595	20.88	19.00	0.91	1609	20.61	18.76	0.91	1622	20.41	18.57	0.91	1631	20.18	18.37	0.91	1685	19.91	18.11	0.91	1759	19.55	17.79	0.91	1878	19.10	17.38	0.91	1965
	32	89.6	20	68.0	21.75	19.80	0.91	1607	21.54	19.60	0.91	1621	21.31	19.39	0.91	1636	21.03	19.14	0.91	1649	20.82	18.95	0.91	1657	20.60	18.74	0.91	1711	20.31	18.48	0.91	1786	19.95	18.16	0.91	1905	19.49	17.73	0.91	1991
	32	89.6	22	71.6	22.19	17.97	0.81	1625	21.97	17.80	0.81	1639	21.73	17.60	0.81	1654	21.45	17.38	0.81	1667	21.24	17.20	0.81	1675	21.01	17.02	0.81	1729	20.72	16.78	0.81	1803	20.35	16.49	0.81	1922	19.88	16.10	0.81	2009
	32	89.6	24	75.2	22.35	15.42	0.69	1646	22.12	15.27	0.69	1660	21.88	15.10	0.69	1675	21.60	14.91	0.69	1688	21.39	14.76	0.69	1696	21.16	14.60	0.69	1750	20.86	14.40	0.69	1824	20.50	14.14	0.69	1943	20.02	13.81	0.69	2030
	32	89.6	26	78.8	22.66	12.92	0.57	1670	22.43	12.79	0.57	1684	22.19	12.65	0.57	1699	21.91	12.49	0.57	1712	21.69	12.36	0.57	1720	21.45	12.23	0.57	1774	21.16	12.06	0.57	1849	20.78	11.85	0.57	1968	20.30	11.57	0.57	2055

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)				53.8(128.8F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
100%	21	69.8	18	64.4	15.15	9.24	0.61	1826	14.09	8.60	0.61	1918	13.95	8.51	0.61	1938	11.51	7.02	0.61	2012	11.16	6.81	0.61	2026	9.94	6.06	0.61	2066	9.54	5.82	0.61	2087	9.06	5.53	0.61	2129	8.52	5.20	0.61	2172
	21	69.8	20	68.0	15.78	7.73	0.49	1850	14.67	7.19	0.49	1942	14.53	7.12	0.49	1961	11.98	5.87	0.49	2035	11.62	5.70	0.49	2049	10.35	5.07	0.49	2090	9.93	4.87	0.49	2111	9.44	4.62	0.49	2153	8.87	4.35	0.49	2195
	22	71.6	18	64.4	15.62	10.15	0.65	1845	14.53	9.44	0.65	1938	14.38	9.35	0.65	1957	11.87	7.71	0.65	2032	11.51	7.48	0.65	2046	10.24	6.66	0.65	2087	9.83	6.39	0.65	2108	9.34	6.07	0.65	2151	8.78	5.71	0.65	2194
	22	71.6	20	68.0	16.10	8.53	0.53	1869	14.97	7.94	0.53	1961	14.82	7.86	0.53	1981	12.23	6.48	0.53	2056	11.86	6.29	0.53	2070	10.56	5.60	0.53	2111	10.13	5.37	0.53	2132	9.63	5.10	0.53	2174	9.05	4.80	0.53	2218
	22	71.6	22	71.6	16.37	6.71	0.41	1885	15.23	6.24	0.41	1978	15.07	6.18	0.41	1997	12.44	5.10	0.41	2072	12.06	4.95	0.41	2086	10.74	4.40	0.41	2127	10.31	4.23	0.41	2148	9.79	4.01	0.41	2191	9.20	3.77	0.41	2234
	23	73.4	18	64.4	15.94	11.00	0.69	1864	14.82	10.23	0.69	1957	14.68	10.13	0.69	1977	12.11	8.35	0.69	2052	11.74	8.10	0.69	2067	10.45	7.21	0.69	2108	10.03	6.92	0.69	2130	9.53	6.58	0.69	2172	8.96	6.18	0.69	2216
	23	73.4	20	68.0	16.43	9.36	0.57	1888	15.28	8.71	0.57	1981	15.13	8.62	0.57	2001	12.48	7.11	0.57	2076	12.10	6.90	0.57	2091	10.77	6.14	0.57	2132	10.34	5.89	0.57	2154	9.82	5.60	0.57	2196	9.24	5.26	0.57	2240
	23	73.4	22	71.6	16.71	7.52	0.45	1904	15.54	6.99	0.45	1998	15.38	6.92	0.45	2017	12.69	5.71	0.45	2093	12.31	5.54	0.45	2107	10.96	4.93	0.45	2149	10.52	4.73	0.45	2170	9.99	4.50	0.45	2213	9.39	4.23	0.45	2256
	24	75.2	18	64.4	16.27	11.87	0.73	1882	15.13	11.04	0.73	1977	14.98	10.93	0.73	1997	12.35	9.02	0.73	2073	11.98	8.75	0.73	2088	10.67	7.79	0.73	2130	10.24	7.47	0.73	2151	9.73	7.10	0.73	2194	9.14	6.67	0.73	2238
	24	75.2	20	68.0	16.76	10.23	0.61	1907	15.59	9.51	0.61	2001	15.43	9.41	0.61	2021	12.73	7.77	0.61	2097	12.35	7.53	0.61	2112	10.99	6.71	0.61	2154	10.55	6.44	0.61	2175	10.03	6.12	0.61	2218	9.42	5.75	0.61	2263
	24	75.2	22	71.6	17.05	8.35	0.49	1923	15.86	7.77	0.49	2018	15.70	7.69	0.49	2038	12.95	6.35	0.49	2114	12.56	6.15	0.49	2128	11.18	5.48	0.49	2170	10.73	5.26	0.49	2192	10.20	5.00	0.49	2235	9.58	4.70	0.49	2279
	24	75.2	24	75.2	17.29	6.40	0.37	1943	16.08	5.95	0.37	2037	15.92	5.89	0.37	2057	13.13	4.86	0.37	2133	12.74	4.71	0.37	2148	11.34	4.19	0.37	2190	10.88	4.03	0.37	2211	10.34	3.83	0.37	2254	9.72	3.60	0.37	2298
	25	77.0	18	64.4	16.77	12.91	0.77	1901	15.59	12.01	0.77	1997	15.44	11.89	0.77	2017	12.74	9.81	0.77	2094	12.35	9.51	0.77	2109	11.00	8.47	0.77	2151	10.56	8.13	0.77	2173	10.03	7.72	0.77	2216	9.43	7.26	0.77	2261
	25	77.0	20	68.0	17.28	11.23	0.65	1926	16.07	10.45	0.65	2021	15.91	10.34	0.65	2042	13.13	8.53	0.65	2119	12.73	8.28	0.65	2133	11.33	7.37	0.65	2176	10.88	7.07	0.65	2197	10.34	6.72	0.65	2241	9.72	6.31	0.65	2285
	25	77.0	22	71.6	17.58	9.32	0.53	1943	16.35	8.66	0.53	2038	16.18	8.58	0.53	2058	13.35	7.08	0.53	2135	12.95	6.86	0.53	2150	11.53	6.11	0.53	2192	11.06	5.86	0.53	2214	10.51	5.57	0.53	2258	9.88	5.24	0.53	2302
	25	77.0	24	75.2	17.82	7.31	0.41	1962	16.57	6.80	0.41	2058	16.41	6.73	0.41	2078	13.54	5.55	0.41	2155	13.13	5.38	0.41	2170	11.69	4.79	0.41	2212	11.22	4.60	0.41	2234	10.66	4.37	0.41	2277	10.02	4.11	0.41	2322
	26	78.8	18	64.4	17.29	14.00	0.81	1921	16.08	13.02	0.81	2017	15.92	12.89	0.81	2037	13.13	10.64	0.81	2115	12.74	10.32	0.81	2130	11.34	9.18	0.81	2173	10.88	8.81	0.81	2195	10.34	8.37	0.81	2239	9.72	7.87	0.81	2284
	26	78.8	20	68.0	17.82	12.29	0.69	1945	16.57	11.43	0.69	2042	16.40	11.32	0.69	2062	13.53	9.34	0.69	2140	13.13	9.06	0.69	2155	11.68	8.06	0.69	2198	11.22	7.74	0.69	2219	10.65	7.35	0.69	2264	10.02	6.91	0.69	2309
	26	78.8	22	71.6	18.12	10.33	0.57	1962	16.85	9.61	0.57	2059	16.68	9.51	0.57	2079	13.76	7.84	0.57	2157	13.35	7.61	0.57	2172	11.88	6.77	0.57	2214	11.41	6.50	0.57	2236	10.84	6.18	0.57	2280	10.19	5.81	0.57	2325
	26	78.8	24	75.2	18.37	8.27	0.45	1982	17.09	7.69	0.45	2079	16.92	7.61	0.45	2099	13.96	6.28	0.45	2177	13.54	6.09	0.45	2191	12.05	5.42	0.45	2234	11.57	5.20	0.45	2256	10.99	4.94	0.45	2300	10.33	4.65	0.45	2345
	26	78.8	26	78.8	18.67	6.16	0.33	2005	17.36	5.73	0.33	2101	17.19	5.67	0.33	2122	14.18	4.68	0.33	2199	13.75	4.54	0.33	2214	12.24	4.04	0.33	2257	11.75	3.88	0.33	2279	11.16	3.68	0.33	2323	10.49	3.46	0.33	2368
	27	80.6	18	64.4	17.64	14.99	0.85	1940	16.41	13.94	0.85	2038	16.24	13.80	0.85	2058	13.40	11.39	0.85	2137	13.00	11.05	0.85	2152	11.57	9.83	0.85	2195	11.10	9.44	0.85	2217	10.55	8.97	0.85	2261	9.92	8.43	0.85	2307
	27	80.6	19	66.2					16.74	13.32	0.79	2048	16.57	13.09	0.79	2068	13.67	10.80	0.79	2147	13.26	10.48	0.79	2162	11.80	9.32	0.79	2205	11.33	8.95	0.79	2227	10.76	8.50	0.79	2271	10.12	7.99	0.79	2317
	27	80.6	20	68.0	18.18	13.27	0.73	1965	16.91	12.34	0.73	2063	16.74	12.22	0.73	2083	13.81	10.08	0.73	2162	13.39	9.78	0.73	2177	11.92	8.70	0.73	2220	11.44	8.35	0.73	2242	10.87	7.94	0.73	2286	10.22	7.46	0.73	2332
	27	80.6	22	71.6	18.49	11.28	0.61	1982	17.19	10.49	0.61	2080	17.02	10.38	0.61	2100	14.04	8.57	0.61	2179	13.62	8.31	0.61	2194	12.12	7.40	0.61	2237	11.64	7.10	0.61	2259	11.06	6.74	0.61	2303	10.39	6.34	0.61	2349
	27	80.6	24	75.2	18.75	9.19	0.49	2002	17.44	8.54	0.49	2100	17.26	8.46	0.49	2120	14.24	6.98	0.49	2199	13.81	6.77	0.49	2214	12.29	6.02	0.49	2257	11.80	5.78	0.49	2279	11.21	5.49	0.49	2323	10.54	5.16	0.49	2369
	27	80.6	26	78.8	19.05	7.05	0.37	2025	17.71	6.55	0.37	2123	17.54	6.49	0.37	2143	14.47	5.35	0.37	2222	14.03	5.19	0.37	2237	12.49	4.62	0.37	2280	11.99	4.44	0.37	2302	11.39	4.21	0.37	2346	10.71	3.96	0.37	2392
	28	82.4	18	64.4	17.82	15.86	0.89	1959	16.57	14.75	0.89	2058	16.40	14.60	0.89	2079	13.53	12.04	0.89	2158	13.13	11.68	0.89	2173	11.68	10.40	0.89	2217	11.22	9.98	0.89	2239	10.65	9.48	0.89	2284	10.02	8.91	0.89	2330
	28	82.4	20	68.0	18.18	14.00	0.77	1985	16.91	13.02	0.77	2083	16.74	12.89	0.77	2104	13.81	10.63	0.77	2183	13.39	10.31	0.77	2198	11.92	9.18	0.77	2242	11.44	8.81	0.77	2264	10.87	8.37	0.77	2309	10.22	7.87	0.77	2355
	28	82.4	22	71.6	18.36	11.94	0.65	2002	17.08	11.10	0.65	2100	16.91	10.99	0.65	2121	13.95	9.07	0.65	2200	13.53	8.79	0.65	2216	12.04	7.83	0.65	2259	11.56	7.51	0.65	2281	10.98	7.14	0.65	2326	10.32	6.71	0.65	2372
	28	82.4	24	75.2	18.67	9.90	0.53	2022	17.37	9.20	0.53	2120	17.19	9.11	0.53	2141	14.18	7.52	0.53	2221	13.76	7.29	0.53	2236	12.25	6.49	0.53	2279	11.76	6.23	0.53	2302	11.17	5.92	0.53	2347	10.50	5.56	0.53	2393
	28	82.4	26	78.8	18.94	7.76	0.41	2045	17.61	7.22	0.41	2144	17.43	7.15	0.41	2164	14.38	5.90	0.41	2244	13.95	5.72	0.41	2259	12.42	5.09	0.41	2303	11.92	4.89	0.41	2325	11.32	4.64	0.41	2370	10.64	4.36	0.41	2416
	29	84.2	18	64.4	17.99	16.38	0.91	1979	16.73	15.23	0.91	2078	16.57	15.08	0.91	2099	13.67	12.44	0.91	2180	13.26	12.06	0.91	2195	11.80	10.74	0.91	2239	11.33	10.31	0.91	2261	10.76	9.79	0.91	2307	10.12	9.21	0.91	2353
	29	84.2	20	68.0	18.36	14.87	0.81	2004	17.08	13.83	0.81	2104	16.91	13.69	0.81	2125	13.95	11.30	0.81	2205	13.53	10.96	0.81	2220	12.04	9.75	0.81	2264	11.56	9.36	0.81	2287	10.98	8.89	0.81	2332	10.32	8.36	0.81	2379
	29	84.2	22	71.6	18.73	12.92	0.69	2022	17.42	12.02	0.69	2121	17.24	11.90	0.69	2142	14.23	9.82	0.69	2222	13.80	9.52	0.69	2238	12.28	8.47	0.69	2282	11.79	8.14	0.69	2304	11.20	7.73	0.69	2350	10.53	7.26	0.69	2396
	29	84.2	24	75.2	18.86	10.75	0.57	2042	17.54	10.00	0.57	2142	17.37	9.90	0.57	2163	14.33	8.17	0.57	2243	13.90	7.92	0.57	2258	12.37	7.05	0.57	2302	11.87	6.77	0.57	2325	11.28	6.43	0.57	2370	10.60	6.04	0.57	2416
	29	84.2	26	78.8	19.12	8.61	0.45	2066	17.79	8.00	0.45	2165	17.61	7.92	0.45	2186	14.53	6.54	0.45	2266	14.09	6.34	0.45	2282	12.54	5.64	0.45	2326	12.04	5.42	0.45	2348	11.44	5.15	0.45	2394	10.75	4.84	0.45	2440
	30	86.0	18	64.4	18.17	16.54	0.91	1999	16.90	15.38	0.91	2099	16.73	15.23	0.91	2120	13.80	12.56	0.91	2201	13.39	12.19	0.91	2217	11.92	10.85	0.91	2261	11.44	10.41	0.91	2284	10.87	9.89	0.91	2330	10.22	9.30	0.91	2377
	30	86.0	20	68.0	18.55	15.76	0.85	2025	17.25	14.66	0.85	2125	17.07	14.51	0.85	2146	14.09	11.97	0.85	2227	13.66	11.61	0.85	2243	12.16	10.34	0.85	2287	11.67	9.92	0.85	2310	11.09	9.43	0.85	2356	10.43	8.86	0.85	2402
	30	86.0	22	71.6	18.92	13.81	0.73	2042	17.59	12.84	0.73	2143	17.42	12.71	0.73	2164	14.37	10.49	0.73	2245	13.94	10.17	0.73	2260	12.40	9.06	0.73	2305	11.91	8.69	0.73	2327	11.31	8.26	0.73	2373	10.63	7.76	0.73	2420
	30	86.0	24	75.2	19.05	11.62	0.61	2063	17.72	10.81	0.61	2163	17.54	10.70	0.61	2184	14.47	8.83	0.61	2265	14.04	8.56	0.61	2281	12.49	7.62	0.61	2325	11.99	7.31	0.61	2348	11.39	6.95	0.61	2394	10.71	6.53	0.61	2441
	30	86.0	26	78.8	19.32	9.46	0.49	2086	17.96	8.80	0.49	2187	17.78	8.71	0.49	2208	14.67	7.19	0.49	2289	14.23	6.97	0.49	2304	12.67	6.21	0.49	2349	12.16	5.96	0.49	2372	11.55	5.66	0.49	2417	10.86	5.32	0.49	2464
	31	87.8	18	64.4	18.36	16.70	0.91	2019	17.07	15.53	0.91	2120	16.90	15.38	0.91	2142	13.94	12.69	0.91	2223	13.52	12.31	0.91	2239	12.04	10.95	0.91	2284	11.56	10.52	0.91	2307	10.98	9.99	0.91	2353	10.32	9.39	0.91	2400
	31	87.8	20	68.0	18.73	16.67	0.89	2045	17.42	15.50	0.89	2146	17.25	15.35	0.89	2168	14.23	12.66	0.89	2249	13.80	12.28	0.89	2265	12.28	10.93	0.89	2310	11.79	10.49	0.89	2333	11.20	9.97	0.89	2379	10.53	9.37	0.89	2427
	31	87.8	22	71.6	19.11	14.71	0.77	2062	17.77	13.68	0.77	2164	17.59	13.54	0.77	2185	14.51	11.17	0.77	2267	14.08	10.84	0.77	2283	12.53	9.65	0.77	2328	12.03	9.26	0.77	2351	11.43	8.80	0.77	2397	10.74	8.27	0.77	2444
	31	87.8	24	75.2	19.24	12.51	0.65	2083	17.89	11.63	0.65	2185	17.71	11.51	0.65	2206	14.61	9.50	0.65	2288	14.18	9.21	0.65	2303	12.62	8.20	0.65	2348	12.11	7.87	0.65	2371	11.51	7.48	0.65	2418	10.82	7.03	0.65	2465
	31	87.8	26	78.8	19.51	10.34	0.53	2107	18.14	9.62	0.53	2209	17.96	9.52	0.53	2230	14.82	7.85	0.53	2312	14.37	7.62	0.53	2327	12.79	6.78	0.53	2372	12.28	6.51	0.53	2395	11.67	6.18	0.53	2442	10.97	5.81	0.53	2489
	32	89.6	18	64.4	18.54	16.87	0.91	2039	17.24	15.69	0.91	2141	17.07	15.53	0.91	2163	14.08	12.82	0.91	2246	13.66	12.43	0.91	2261	12.16	11.06	0.91	2307	11.67	10.62	0.91	2330	11.09	10.09	0.91	2377	10.42	9.48	0.91	2425
	32	89.6	20	68.0	18.92	17.22	0.91	2065	17.59	16.01	0.91	2168	17.42	15.85	0.91	2189	14.37	13.08	0.91	2272	13.94	12.68	0.91	2288	12.41	11.29	0.91	2333	11.91	10.84	0.91	2356	11.31	10.30	0.91	2403	10.63	9.68	0.91	2451
	32	89.6	22	71.6	19.30	15.63	0.81	2083	17.95	14.54	0.81	2186	17.77	14.39	0.81	2207	14.66	11.87	0.81	2290	14.22	11.52	0.81	2305	12.65	10.25	0.81	2351	12.15	9.84	0.81	2374	11.54	9.35	0.81	2421	10.85	8.79	0.81	2469
	32	89.6	24	75.2	19.43	13.41	0.69	2104	18.07	12.47	0.69	2207	17.89	12.34	0.69	2228	14.76	10.18	0.69	2311	14.32	9.88	0.69	2326	12.74	8.79	0.69	2372	12.23	8.44	0.69	2395	11.62	8.02	0.69	2442	10.92	7.54	0.69	2490
	32	89.6	26	78.8	19.70	11.23	0.57	2128	18.32	10.45	0.57	2231	18.14	10.34	0.57	2252	14.97	8.53	0.57	2335	14.52	8.28	0.57	2351	12.92	7.36	0.57	2396	12.40	7.07	0.57	2419	11.78	6.72	0.57	2466	11.08	6.31	0.57	2514

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
90%	21	69.8	18	64.4	17.08	10.42	0.61	1401	16.91	10.31	0.61	1414	16.72	10.20	0.61	1427	16.51	10.07	0.61	1439	16.35	9.97	0.61	1446	16.17	9.86	0.61	1494	15.94	9.73	0.61	1560	15.66	9.55	0.61	1666	15.30	9.33	0.61	1743
	21	69.8	20	68.0	17.78	8.71	0.49	1425	17.60	8.63	0.49	1438	17.41	8.53	0.49	1451	17.19	8.42	0.49	1462	17.02	8.34	0.49	1470	16.83	8.25	0.49	1518	16.60	8.13	0.49	1584	16.31	7.99	0.49	1689	15.93	7.80	0.49	1766
	22	71.6	18	64.4	17.60	11.44	0.65	1416	17.43	11.33	0.65	1429	17.24	11.21	0.65	1442	17.02	11.06	0.65	1453	16.85	10.95	0.65	1461	16.67	10.83	0.65	1509	16.44	10.68	0.65	1576	16.15	10.50	0.65	1682	15.77	10.25	0.65	1760
	22	71.6	20	68.0	18.14	9.62	0.53	1439	17.96	9.52	0.53	1452	17.77	9.42	0.53	1465	17.54	9.30	0.53	1477	17.37	9.20	0.53	1484	17.18	9.10	0.53	1533	16.94	8.98	0.53	1600	16.64	8.82	0.53	1706	16.25	8.61	0.53	1784
	22	71.6	22	71.6	18.45	7.57	0.41	1456	18.27	7.49	0.41	1468	18.07	7.41	0.41	1482	17.84	7.31	0.41	1493	17.66	7.24	0.41	1501	17.47	7.16	0.41	1549	17.23	7.06	0.41	1616	16.92	6.94	0.41	1722	16.53	6.78	0.41	1800
	23	73.4	18	64.4	17.96	12.40	0.69	1430	17.79	12.27	0.69	1443	17.59	12.14	0.69	1456	17.37	11.98	0.69	1468	17.19	11.86	0.69	1475	17.01	11.74	0.69	1524	16.77	11.57	0.69	1592	16.48	11.37	0.69	1699	16.09	11.10	0.69	1778
	23	73.4	20	68.0	18.51	10.55	0.57	1454	18.33	10.45	0.57	1467	18.13	10.33	0.57	1480	17.90	10.20	0.57	1492	17.72	10.10	0.57	1499	17.53	9.99	0.57	1548	17.29	9.85	0.57	1616	16.98	9.68	0.57	1723	16.58	9.45	0.57	1802
	23	73.4	22	71.6	18.83	8.47	0.45	1470	18.64	8.39	0.45	1483	18.44	8.30	0.45	1496	18.20	8.19	0.45	1508	18.02	8.11	0.45	1516	17.83	8.02	0.45	1565	17.58	7.91	0.45	1632	17.27	7.77	0.45	1740	16.86	7.59	0.45	1818
	24	75.2	18	64.4	18.33	13.38	0.73	1444	18.15	13.25	0.73	1458	17.95	13.10	0.73	1471	17.72	12.94	0.73	1483	17.55	12.81	0.73	1490	17.35	12.67	0.73	1540	17.12	12.49	0.73	1608	16.81	12.27	0.73	1717	16.42	11.99	0.73	1796
	24	75.2	20	68.0	18.89	11.52	0.61	1469	18.70	11.41	0.61	1482	18.50	11.29	0.61	1495	18.26	11.14	0.61	1507	18.08	11.03	0.61	1515	17.89	10.91	0.61	1564	17.64	10.76	0.61	1632	17.33	10.57	0.61	1741	16.92	10.32	0.61	1820
	24	75.2	22	71.6	19.21	9.41	0.49	1485	19.02	9.32	0.49	1498	18.82	9.22	0.49	1512	18.57	9.10	0.49	1524	18.39	9.01	0.49	1531	18.19	8.91	0.49	1581	17.94	8.79	0.49	1649	17.62	8.63	0.49	1757	17.21	8.43	0.49	1837
	24	75.2	24	75.2	19.48	7.21	0.37	1504	19.29	7.14	0.37	1518	19.08	7.06	0.37	1531	18.83	6.97	0.37	1543	18.65	6.90	0.37	1550	18.44	6.82	0.37	1600	18.19	6.73	0.37	1668	17.87	6.61	0.37	1777	17.45	6.46	0.37	1856
	25	77.0	18	64.4	18.90	14.55	0.77	1459	18.71	14.41	0.77	1472	18.51	14.25	0.77	1486	18.27	14.07	0.77	1498	18.09	13.93	0.77	1505	17.89	13.78	0.77	1555	17.64	13.59	0.77	1624	17.33	13.35	0.77	1734	16.93	13.03	0.77	1814
	25	77.0	20	68.0	19.48	12.66	0.65	1483	19.28	12.53	0.65	1497	19.07	12.40	0.65	1510	18.83	12.24	0.65	1522	18.64	12.12	0.65	1530	18.44	11.99	0.65	1580	18.18	11.82	0.65	1649	17.86	11.61	0.65	1758	17.44	11.34	0.65	1839
	25	77.0	22	71.6	19.81	10.50	0.53	1500	19.61	10.39	0.53	1513	19.40	10.28	0.53	1527	19.15	10.15	0.53	1539	18.96	10.05	0.53	1547	18.75	9.94	0.53	1597	18.49	9.80	0.53	1665	18.17	9.63	0.53	1775	17.74	9.40	0.53	1855
	25	77.0	24	75.2	20.08	8.23	0.41	1520	19.89	8.15	0.41	1533	19.67	8.06	0.41	1546	19.42	7.96	0.41	1559	19.22	7.88	0.41	1566	19.02	7.80	0.41	1616	18.75	7.69	0.41	1685	18.42	7.55	0.41	1795	17.99	7.38	0.41	1875
	26	78.8	18	64.4	19.48	15.78	0.81	1474	19.29	15.62	0.81	1487	19.08	15.45	0.81	1501	18.83	15.26	0.81	1513	18.65	15.10	0.81	1521	18.44	14.94	0.81	1571	18.19	14.73	0.81	1640	17.87	14.47	0.81	1751	17.45	14.13	0.81	1832
	26	78.8	20	68.0	20.08	13.85	0.69	1498	19.88	13.72	0.69	1512	19.66	13.57	0.69	1525	19.41	13.39	0.69	1538	19.22	13.26	0.69	1545	19.01	13.12	0.69	1596	18.75	12.94	0.69	1665	18.42	12.71	0.69	1776	17.98	12.41	0.69	1857
	26	78.8	22	71.6	20.42	11.64	0.57	1515	20.22	11.52	0.57	1529	20.00	11.40	0.57	1542	19.74	11.25	0.57	1554	19.55	11.14	0.57	1562	19.33	11.02	0.57	1613	19.07	10.87	0.57	1682	18.73	10.68	0.57	1793	18.29	10.43	0.57	1874
	26	78.8	24	75.2	20.71	9.32	0.45	1535	20.50	9.23	0.45	1549	20.28	9.12	0.45	1562	20.02	9.01	0.45	1574	19.82	8.92	0.45	1582	19.60	8.82	0.45	1633	19.33	8.70	0.45	1702	18.99	8.55	0.45	1813	18.55	8.35	0.45	1894
	26	78.8	26	78.8	21.04	6.94	0.33	1558	20.83	6.87	0.33	1571	20.60	6.80	0.33	1585	20.34	6.71	0.33	1597	20.14	6.64	0.33	1605	19.92	6.57	0.33	1655	19.64	6.48	0.33	1725	19.29	6.37	0.33	1836	18.84	6.22	0.33	1917
	27	80.6	18	64.4	19.88	16.90	0.85	1489	19.68	16.73	0.85	1502	19.47	16.55	0.85	1516	19.22	16.34	0.85	1528	19.03	16.17	0.85	1536	18.82	16.00	0.85	1587	18.56	15.78	0.85	1657	18.23	15.50	0.85	1769	17.81	15.13	0.85	1851
	27	80.6	19	66.2	20.29	16.03	0.79	1499	20.08	15.87	0.79	1512	19.87	15.69	0.79	1526	19.61	15.49	0.79	1538	19.42	15.34	0.79	1546	19.21	15.17	0.79	1597	18.94	14.96	0.79	1667	18.61	14.70	0.79	1779	18.17	14.35	0.79	1861
	27	80.6	20	68.0	20.49	14.96	0.73	1514	20.29	14.81	0.73	1527	20.06	14.65	0.73	1541	19.81	14.46	0.73	1553	19.61	14.32	0.73	1561	19.40	14.16	0.73	1612	19.13	13.96	0.73	1682	18.79	13.72	0.73	1794	18.35	13.40	0.73	1876
	27	80.6	22	71.6	20.84	12.71	0.61	1531	20.63	12.58	0.61	1544	20.41	12.45	0.61	1558	20.14	12.29	0.61	1570	19.94	12.17	0.61	1578	19.73	12.03	0.61	1629	19.45	11.87	0.61	1699	19.11	11.66	0.61	1811	18.66	11.38	0.61	1893
	27	80.6	24	75.2	21.13	10.35	0.49	1551	20.92	10.25	0.49	1564	20.69	10.14	0.49	1578	20.43	10.01	0.49	1590	20.22	9.91	0.49	1598	20.00	9.80	0.49	1649	19.73	9.67	0.49	1719	19.38	9.50	0.49	1831	18.92	9.27	0.49	1913
	27	80.6	26	78.8	21.47	7.94	0.37	1574	21.25	7.86	0.37	1587	21.02	7.78	0.37	1601	20.75	7.68	0.37	1613	20.55	7.60	0.37	1621	20.32	7.52	0.37	1672	20.04	7.42	0.37	1742	19.69	7.28	0.37	1854	19.23	7.11	0.37	1936
	28	82.4	18	64.4	20.08	17.87	0.89	1503	19.88	17.69	0.89	1517	19.66	17.50	0.89	1531	19.41	17.28	0.89	1543	19.22	17.10	0.89	1551	19.01	16.92	0.89	1603	18.75	16.68	0.89	1674	18.42	16.39	0.89	1787	17.98	16.01	0.89	1870
	28	82.4	20	68.0	20.49	15.78	0.77	1529	20.29	15.62	0.77	1542	20.06	15.45	0.77	1556	19.81	15.25	0.77	1569	19.61	15.10	0.77	1577	19.40	14.94	0.77	1628	19.13	14.73	0.77	1699	18.79	14.47	0.77	1812	18.35	14.13	0.77	1895
	28	82.4	22	71.6	20.69	13.45	0.65	1546	20.49	13.32	0.65	1560	20.26	13.17	0.65	1573	20.00	13.00	0.65	1586	19.81	12.87	0.65	1594	19.59	12.73	0.65	1645	19.32	12.56	0.65	1716	18.98	12.34	0.65	1829	18.53	12.05	0.65	1912
	28	82.4	24	75.2	21.04	11.15	0.53	1566	20.84	11.04	0.53	1580	20.61	10.92	0.53	1594	20.35	10.78	0.53	1606	20.14	10.68	0.53	1614	19.92	10.56	0.53	1666	19.65	10.41	0.53	1736	19.30	10.23	0.53	1849	18.85	9.99	0.53	1932
	28	82.4	26	78.8	21.34	8.75	0.41	1589	21.13	8.66	0.41	1603	20.90	8.57	0.41	1617	20.63	8.46	0.41	1629	20.43	8.37	0.41	1637	20.20	8.28	0.41	1689	19.92	8.17	0.41	1759	19.57	8.02	0.41	1873	19.11	7.84	0.41	1955
	29	84.2	18	64.4	20.28	18.45	0.91	1518	20.08	18.27	0.91	1532	19.86	18.07	0.91	1546	19.60	17.84	0.91	1559	19.41	17.66	0.91	1567	19.20	17.47	0.91	1619	18.93	17.23	0.91	1690	18.60	16.93	0.91	1805	18.16	16.53	0.91	1888
	29	84.2	20	68.0	20.69	16.76	0.81	1544	20.49	16.60	0.81	1558	20.26	16.41	0.81	1572	20.00	16.20	0.81	1584	19.81	16.04	0.81	1592	19.59	15.87	0.81	1644	19.32	15.65	0.81	1716	18.98	15.37	0.81	1830	18.53	15.01	0.81	1914
	29	84.2	22	71.6	21.11	14.56	0.69	1561	20.90	14.42	0.69	1575	20.67	14.26	0.69	1589	20.41	14.08	0.69	1602	20.20	13.94	0.69	1610	19.98	13.79	0.69	1662	19.71	13.60	0.69	1733	19.36	13.36	0.69	1848	18.91	13.04	0.69	1931
	29	84.2	24	75.2	21.25	12.12	0.57	1582	21.04	12.00	0.57	1596	20.82	11.86	0.57	1610	20.55	11.71	0.57	1622	20.35	11.60	0.57	1630	20.12	11.47	0.57	1682	19.85	11.31	0.57	1754	19.49	11.11	0.57	1868	19.04	10.85	0.57	1951
	29	84.2	26	78.8	21.55	9.70	0.45	1605	21.34	9.60	0.45	1619	21.11	9.50	0.45	1633	20.84	9.38	0.45	1646	20.63	9.28	0.45	1653	20.41	9.18	0.45	1706	20.12	9.06	0.45	1777	19.77	8.90	0.45	1891	19.30	8.69	0.45	1975
	30	86.0	18	64.4	20.48	18.64	0.91	1534	20.28	18.45	0.91	1548	20.06	18.25	0.91	1562	19.80	18.02	0.91	1574	19.60	17.84	0.91	1582	19.39	17.65	0.91	1635	19.12	17.40	0.91	1707	18.79	17.09	0.91	1823	18.35	16.69	0.91	1907
	30	86.0	20	68.0	20.90	17.76	0.85	1559	20.69	17.59	0.85	1573	20.47	17.40	0.85	1588	20.20	17.17	0.85	1600	20.00	17.00	0.85	1608	19.79	16.82	0.85	1661	19.51	16.59	0.85	1733	19.17	16.29	0.85	1848	18.72	15.91	0.85	1933
	30	86.0	22	71.6	21.32	15.56	0.73	1577	21.11	15.41	0.73	1591	20.88	15.24	0.73	1605	20.61	15.04	0.73	1618	20.41	14.90	0.73	1626	20.18	14.73	0.73	1678	19.90	14.53	0.73	1751	19.55	14.27	0.73	1866	19.09	13.94	0.73	1950
	30	86.0	24	75.2	21.47	13.10	0.61	1598	21.25	12.97	0.61	1612	21.02	12.82	0.61	1626	20.75	12.66	0.61	1638	20.55	12.53	0.61	1646	20.32	12.40	0.61	1699	20.04	12.23	0.61	1771	19.69	12.01	0.61	1887	19.23	11.73	0.61	1971
	30	86.0	26	78.8	21.77	10.67	0.49	1621	21.55	10.56	0.49	1635	21.32	10.45	0.49	1649	21.04	10.31	0.49	1662	20.84	10.21	0.49	1670	20.61	10.10	0.49	1723	20.32	9.96	0.49	1795	19.97	9.78	0.49	1910	19.50	9.55	0.49	1995
	31	87.8	18	64.4	20.69	18.82	0.91	1549	20.48	18.64	0.91	1563	20.26	18.44	0.91	1577	20.00	18.20	0.91	1590	19.80	18.02	0.91	1598	19.59	17.82	0.91	1651	19.32	17.58	0.91	1724	18.97	17.27	0.91	1841	18.53	16.86	0.91	1926
	31	87.8	20	68.0	21.11	18.79	0.89	1575	20.90	18.60	0.89	1589	20.67	18.40	0.89	1603	20.41	18.16	0.89	1616	20.20	17.98	0.89	1624	19.99	17.79	0.89	1677	19.71	17.54	0.89	1750	19.36	17.23	0.89	1867	18.91	16.83	0.89	1952
	31	87.8	22	71.6	21.53	16.58	0.77	1593	21.32	16.41	0.77	1607	21.09	16.24	0.77	1621	20.82	16.03	0.77	1634	20.61	15.87	0.77	1642	20.38	15.70	0.77	1695	20.10	15.48	0.77	1768	19.75	15.21	0.77	1885	19.29	14.85	0.77	1970
	31	87.8	24	75.2	21.68	14.09	0.65	1613	21.47	13.95	0.65	1628	21.23	13.80	0.65	1642	20.96	13.62	0.65	1655	20.75	13.49	0.65	1663	20.53	13.34	0.65	1716	20.24	13.16	0.65	1789	19.89	12.93	0.65	1905	19.42	12.62	0.65	1991
	31	87.8	26	78.8	21.99	11.65	0.53	1637	21.77	11.54	0.53	1652	21.53	11.41	0.53	1666	21.25	11.27	0.53	1679	21.04	11.15	0.53	1687	20.82	11.03	0.53	1740	20.53	10.88	0.53	1813	20.17	10.69	0.53	1929	19.69	10.44	0.53	2015
	32	89.6	18	64.4	20.89	19.01	0.91	1564	20.69	18.82	0.91	1579	20.46	18.62	0.91	1593	20.20	18.38	0.91	1606	20.00	18.20	0.91	1614	19.78	18.00	0.91	1668	19.51	17.75	0.91	1742	19.16	17.44	0.91	1859	18.71	17.03	0.91	1945
	32	89.6	20	68.0	21.32	19.40	0.91	1591	21.11	19.21	0.91	1605	20.88	19.00	0.91	1619	20.61	18.76	0.91	1632	20.41	18.57	0.91	1641	20.18	18.37	0.91	1694	19.91	18.11	0.91	1768	19.55	17.79	0.91	1886	19.10	17.38	0.91	1972
	32	89.6	22	71.6	21.75	17.61	0.81	1609	21.53	17.44	0.81	1623	21.30	17.25	0.81	1637	21.02	17.03	0.81	1650	20.82	16.86	0.81	1658	20.59	16.68	0.81	1712	20.30	16.45	0.81	1786	19.95	16.16	0.81	1904	19.48	15.78	0.81	1990
	32	89.6	24	75.2	21.90	15.11	0.69	1630	21.68	14.96	0.69	1644	21.45	14.80	0.69	1658	21.17	14.61	0.69	1671	20.96	14.46	0.69	1679	20.73	14.31	0.69	1733	20.45	14.11	0.69	1807	20.09	13.86	0.69	1925	19.61	13.53	0.69	2011
	32	89.6	26	78.8	22.21	12.66	0.57	1654	21.99	12.53	0.57	1668	21.75	12.40	0.57	1683	21.47	12.24	0.57	1695	21.25	12.12	0.57	1704	21.02	11.98	0.57	1757	20.73	11.82	0.57	1831	20.37	11.61	0.57	1949	19.89	11.34	0.57	2035

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)				53.8(128.8F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
90%	21	69.8	18	64.4	14.85	9.06	0.61	1808	13.81	8.42	0.61	1899	13.67	8.34	0.61	1918	11.28	6.88	0.61	1991	10.94	6.67	0.61	2005	9.74	5.94	0.61	2046	9.35	5.70	0.61	2066	8.88	5.42	0.61	2108	8.35	5.09	0.61	2150
	21	69.8	20	68.0	15.46	7.58	0.49	1832	14.38	7.05	0.49	1923	14.24	6.98	0.49	1942	11.74	5.75	0.49	2015	11.39	5.58	0.49	2029	10.14	4.97	0.49	2069	9.73	4.77	0.49	2090	9.25	4.53	0.49	2131	8.69	4.26	0.49	2174
	22	71.6	18	64.4	15.31	9.95	0.65	1826	14.24	9.25	0.65	1918	14.09	9.16	0.65	1937	11.63	7.56	0.65	2011	11.28	7.33	0.65	2026	10.04	6.53	0.65	2066	9.64	6.26	0.65	2087	9.16	5.95	0.65	2129	8.61	5.59	0.65	2172
	22	71.6	20	68.0	15.78	8.36	0.53	1850	14.67	7.78	0.53	1942	14.53	7.70	0.53	1961	11.98	6.35	0.53	2035	11.62	6.16	0.53	2049	10.35	5.48	0.53	2090	9.93	5.26	0.53	2111	9.44	5.00	0.53	2153	8.87	4.70	0.53	2196
	22	71.6	22	71.6	16.05	6.58	0.41	1866	14.92	6.12	0.41	1958	14.77	6.06	0.41	1977	12.19	5.00	0.41	2051	11.82	4.85	0.41	2066	10.52	4.31	0.41	2106	10.10	4.14	0.41	2127	9.60	3.93	0.41	2169	9.02	3.70	0.41	2212
	23	73.4	18	64.4	15.62	10.78	0.69	1845	14.53	10.02	0.69	1938	14.38	9.92	0.69	1957	11.87	8.19	0.69	2032	11.51	7.94	0.69	2046	10.24	7.07	0.69	2087	9.83	6.79	0.69	2108	9.34	6.45	0.69	2150	8.78	6.06	0.69	2194
	23	73.4	20	68.0	16.10	9.18	0.57	1869	14.97	8.53	0.57	1962	14.82	8.45	0.57	1981	12.23	6.97	0.57	2056	11.86	6.76	0.57	2070	10.56	6.02	0.57	2111	10.13	5.78	0.57	2132	9.63	5.49	0.57	2174	9.05	5.16	0.57	2218
	23	73.4	22	71.6	16.37	7.37	0.45	1885	15.23	6.85	0.45	1978	15.07	6.78	0.45	1997	12.44	5.60	0.45	2072	12.06	5.43	0.45	2086	10.74	4.83	0.45	2127	10.31	4.64	0.45	2148	9.79	4.41	0.45	2191	9.20	4.14	0.45	2234
	24	75.2	18	64.4	15.94	11.64	0.73	1863	14.82	10.82	0.73	1957	14.68	10.71	0.73	1977	12.11	8.84	0.73	2052	11.74	8.57	0.73	2067	10.45	7.63	0.73	2108	10.03	7.33	0.73	2129	9.53	6.96	0.73	2172	8.96	6.54	0.73	2216
	24	75.2	20	68.0	16.43	10.02	0.61	1888	15.28	9.32	0.61	1981	15.13	9.23	0.61	2001	12.48	7.61	0.61	2077	12.10	7.38	0.61	2091	10.77	6.57	0.61	2132	10.34	6.31	0.61	2154	9.82	5.99	0.61	2196	9.24	5.63	0.61	2240
	24	75.2	22	71.6	16.71	8.19	0.49	1904	15.54	7.61	0.49	1998	15.38	7.54	0.49	2018	12.69	6.22	0.49	2093	12.31	6.03	0.49	2107	10.96	5.37	0.49	2149	10.52	5.15	0.49	2170	9.99	4.90	0.49	2213	9.39	4.60	0.49	2257
	24	75.2	24	75.2	16.94	6.27	0.37	1924	15.76	5.83	0.37	2017	15.60	5.77	0.37	2037	12.87	4.76	0.37	2112	12.48	4.62	0.37	2127	11.11	4.11	0.37	2168	10.66	3.95	0.37	2190	10.13	3.75	0.37	2232	9.52	3.52	0.37	2276
	25	77.0	18	64.4	16.43	12.65	0.77	1882	15.28	11.77	0.77	1977	15.13	11.65	0.77	1997	12.48	9.61	0.77	2073	12.11	9.32	0.77	2088	10.78	8.30	0.77	2130	10.34	7.97	0.77	2151	9.83	7.57	0.77	2194	9.24	7.11	0.77	2238
	25	77.0	20	68.0	16.94	11.01	0.65	1907	15.75	10.24	0.65	2001	15.59	10.14	0.65	2021	12.86	8.36	0.65	2098	12.48	8.11	0.65	2112	11.11	7.22	0.65	2154	10.66	6.93	0.65	2175	10.13	6.58	0.65	2219	9.52	6.19	0.65	2263
	25	77.0	22	71.6	17.22	9.13	0.53	1923	16.02	8.49	0.53	2018	15.86	8.40	0.53	2038	13.08	6.93	0.53	2114	12.69	6.73	0.53	2129	11.29	5.99	0.53	2171	10.84	5.75	0.53	2192	10.30	5.46	0.53	2235	9.68	5.13	0.53	2279
	25	77.0	24	75.2	17.47	7.16	0.41	1943	16.24	6.66	0.41	2038	16.08	6.59	0.41	2058	13.27	5.44	0.41	2134	12.87	5.28	0.41	2148	11.45	4.70	0.41	2190	10.99	4.51	0.41	2212	10.44	4.28	0.41	2255	9.82	4.03	0.41	2299
	26	78.8	18	64.4	16.94	13.72	0.81	1901	15.76	12.76	0.81	1997	15.60	12.63	0.81	2017	12.87	10.42	0.81	2094	12.48	10.11	0.81	2109	11.11	9.00	0.81	2151	10.66	8.64	0.81	2173	10.13	8.21	0.81	2216	9.52	7.71	0.81	2261
	26	78.8	20	68.0	17.46	12.05	0.69	1926	16.24	11.20	0.69	2022	16.08	11.09	0.69	2042	13.26	9.15	0.69	2119	12.86	8.88	0.69	2133	11.45	7.90	0.69	2176	10.99	7.58	0.69	2197	10.44	7.20	0.69	2241	9.82	6.77	0.69	2286
	26	78.8	22	71.6	17.76	10.12	0.57	1943	16.51	9.41	0.57	2038	16.35	9.32	0.57	2059	13.49	7.69	0.57	2136	13.08	7.46	0.57	2150	11.64	6.64	0.57	2193	11.18	6.37	0.57	2214	10.62	6.05	0.57	2258	9.98	5.69	0.57	2302
	26	78.8	24	75.2	18.01	8.10	0.45	1963	16.75	7.54	0.45	2058	16.58	7.46	0.45	2078	13.68	6.15	0.45	2155	13.27	5.97	0.45	2170	11.81	5.31	0.45	2212	11.33	5.10	0.45	2234	10.77	4.85	0.45	2278	10.12	4.55	0.45	2322
	26	78.8	26	78.8	18.29	6.04	0.33	1985	17.01	5.61	0.33	2081	16.84	5.56	0.33	2101	13.90	4.59	0.33	2178	13.48	4.45	0.33	2193	12.00	3.96	0.33	2235	11.52	3.80	0.33	2257	10.94	3.61	0.33	2300	10.28	3.39	0.33	2345
	27	80.6	18	64.4	17.29	14.69	0.85	1921	16.08	13.67	0.85	2017	15.92	13.53	0.85	2037	13.13	11.16	0.85	2115	12.74	10.83	0.85	2130	11.34	9.64	0.85	2173	10.88	9.25	0.85	2195	10.34	8.79	0.85	2239	9.72	8.26	0.85	2284
	27	80.6	19	66.2	17.64	13.94	0.79	1931	16.41	12.96	0.79	2027	16.24	12.83	0.79	2047	13.40	10.59	0.79	2125	13.00	10.27	0.79	2140	11.57	9.14	0.79	2183	11.10	8.77	0.79	2205	10.55	8.33	0.79	2249	9.92	7.83	0.79	2294
	27	80.6	20	68.0	17.82	13.01	0.73	1946	16.57	12.10	0.73	2042	16.40	11.97	0.73	2062	13.53	9.88	0.73	2140	13.13	9.58	0.73	2155	11.68	8.53	0.73	2198	11.22	8.19	0.73	2220	10.65	7.78	0.73	2264	10.02	7.31	0.73	2309
	27	80.6	22	71.6	18.12	11.05	0.61	1963	16.85	10.28	0.61	2059	16.68	10.18	0.61	2079	13.76	8.40	0.61	2157	13.35	8.14	0.61	2172	11.88	7.25	0.61	2215	11.41	6.96	0.61	2237	10.84	6.61	0.61	2281	10.19	6.21	0.61	2326
	27	80.6	24	75.2	18.37	9.00	0.49	1983	17.09	8.37	0.49	2079	16.92	8.29	0.49	2099	13.96	6.84	0.49	2177	13.54	6.63	0.49	2192	12.05	5.90	0.49	2235	11.57	5.67	0.49	2257	10.99	5.38	0.49	2301	10.33	5.06	0.49	2346
	27	80.6	26	78.8	18.67	6.91	0.37	2006	17.36	6.42	0.37	2102	17.19	6.36	0.37	2122	14.18	5.25	0.37	2200	13.75	5.09	0.37	2215	12.24	4.53	0.37	2258	11.75	4.35	0.37	2280	11.16	4.13	0.37	2324	10.49	3.88	0.37	2369
	28	82.4	18	64.4	17.46	15.54	0.89	1940	16.24	14.45	0.89	2037	16.08	14.31	0.89	2058	13.26	11.80	0.89	2136	12.86	11.45	0.89	2151	11.45	10.19	0.89	2194	10.99	9.78	0.89	2217	10.44	9.29	0.89	2261	9.82	8.74	0.89	2306
	28	82.4	20	68.0	17.82	13.72	0.77	1965	16.57	12.76	0.77	2062	16.40	12.63	0.77	2083	13.53	10.42	0.77	2161	13.13	10.11	0.77	2177	11.68	9.00	0.77	2220	11.22	8.64	0.77	2242	10.65	8.20	0.77	2286	10.02	7.71	0.77	2332
	28	82.4	22	71.6	17.99	11.70	0.65	1982	16.73	10.88	0.65	2080	16.57	10.77	0.65	2100	13.67	8.88	0.65	2179	13.26	8.62	0.65	2194	11.80	7.67	0.65	2237	11.33	7.36	0.65	2259	10.76	6.99	0.65	2303	10.12	6.58	0.65	2349
	28	82.4	24	75.2	18.30	9.70	0.53	2002	17.02	9.02	0.53	2100	16.85	8.93	0.53	2120	13.90	7.37	0.53	2199	13.48	7.15	0.53	2214	12.00	6.36	0.53	2257	11.52	6.11	0.53	2279	10.94	5.80	0.53	2324	10.29	5.45	0.53	2369
	28	82.4	26	78.8	18.56	7.61	0.41	2026	17.26	7.08	0.41	2123	17.09	7.00	0.41	2144	14.10	5.78	0.41	2222	13.67	5.61	0.41	2237	12.17	4.99	0.41	2280	11.68	4.79	0.41	2302	11.10	4.55	0.41	2347	10.43	4.28	0.41	2392
	29	84.2	18	64.4	17.63	16.05	0.91	1959	16.40	14.92	0.91	2058	16.24	14.77	0.91	2078	13.39	12.19	0.91	2158	12.99	11.82	0.91	2173	11.56	10.52	0.91	2216	11.10	10.10	0.91	2239	10.55	9.60	0.91	2284	9.91	9.02	0.91	2330
	29	84.2	20	68.0	17.99	14.58	0.81	1985	16.73	13.56	0.81	2083	16.57	13.42	0.81	2104	13.67	11.07	0.81	2183	13.26	10.74	0.81	2198	11.80	9.56	0.81	2242	11.33	9.18	0.81	2264	10.76	8.72	0.81	2309	10.12	8.19	0.81	2355
	29	84.2	22	71.6	18.35	12.66	0.69	2002	17.07	11.78	0.69	2100	16.90	11.66	0.69	2121	13.94	9.62	0.69	2200	13.52	9.33	0.69	2216	12.04	8.30	0.69	2259	11.55	7.97	0.69	2282	10.98	7.57	0.69	2327	10.32	7.12	0.69	2372
	29	84.2	24	75.2	18.48	10.54	0.57	2022	17.19	9.80	0.57	2121	17.02	9.70	0.57	2141	14.04	8.00	0.57	2221	13.62	7.76	0.57	2236	12.12	6.91	0.57	2280	11.64	6.63	0.57	2302	11.05	6.30	0.57	2347	10.39	5.92	0.57	2393
	29	84.2	26	78.8	18.74	8.43	0.45	2046	17.43	7.84	0.45	2144	17.26	7.77	0.45	2165	14.24	6.41	0.45	2244	13.81	6.21	0.45	2259	12.29	5.53	0.45	2303	11.80	5.31	0.45	2325	11.21	5.04	0.45	2370	10.54	4.74	0.45	2416
	30	86.0	18	64.4	17.81	16.21	0.91	1979	16.56	15.07	0.91	2078	16.40	14.92	0.91	2099	13.53	12.31	0.91	2179	13.12	11.94	0.91	2195	11.68	10.63	0.91	2239	11.21	10.20	0.91	2261	10.65	9.69	0.91	2307	10.01	9.11	0.91	2353
	30	86.0	20	68.0	18.17	15.45	0.85	2004	16.90	14.37	0.85	2104	16.73	14.22	0.85	2125	13.80	11.73	0.85	2205	13.39	11.38	0.85	2220	11.92	10.13	0.85	2264	11.44	9.72	0.85	2287	10.87	9.24	0.85	2332	10.22	8.68	0.85	2379
	30	86.0	22	71.6	18.54	13.53	0.73	2022	17.24	12.59	0.73	2121	17.07	12.46	0.73	2142	14.08	10.28	0.73	2222	13.66	9.97	0.73	2238	12.16	8.87	0.73	2282	11.67	8.52	0.73	2304	11.09	8.09	0.73	2350	10.42	7.61	0.73	2396
	30	86.0	24	75.2	18.67	11.39	0.61	2043	17.36	10.59	0.61	2142	17.19	10.48	0.61	2163	14.18	8.65	0.61	2243	13.75	8.39	0.61	2258	12.24	7.47	0.61	2302	11.75	7.17	0.61	2325	11.16	6.81	0.61	2370	10.49	6.40	0.61	2417
	30	86.0	26	78.8	18.93	9.28	0.49	2066	17.60	8.63	0.49	2166	17.43	8.54	0.49	2187	14.38	7.05	0.49	2267	13.95	6.83	0.49	2282	12.41	6.08	0.49	2326	11.92	5.84	0.49	2349	11.32	5.55	0.49	2394	10.64	5.21	0.49	2440
	31	87.8	18	64.4	17.99	16.37	0.91	1998	16.73	15.22	0.91	2099	16.56	15.07	0.91	2120	13.66	12.43	0.91	2201	13.25	12.06	0.91	2216	11.80	10.73	0.91	2261	11.32	10.31	0.91	2284	10.76	9.79	0.91	2330	10.11	9.20	0.91	2376
	31	87.8	20	68.0	18.36	16.34	0.89	2024	17.07	15.19	0.89	2125	16.90	15.04	0.89	2146	13.94	12.41	0.89	2227	13.52	12.04	0.89	2242	12.04	10.71	0.89	2287	11.56	10.28	0.89	2310	10.98	9.77	0.89	2356	10.32	9.18	0.89	2402
	31	87.8	22	71.6	18.72	14.42	0.77	2042	17.41	13.41	0.77	2143	17.24	13.27	0.77	2164	14.22	10.95	0.77	2245	13.80	10.62	0.77	2260	12.28	9.45	0.77	2305	11.79	9.08	0.77	2327	11.20	8.62	0.77	2373	10.53	8.10	0.77	2420
	31	87.8	24	75.2	18.85	12.26	0.65	2063	17.54	11.40	0.65	2163	17.36	11.28	0.65	2185	14.32	9.31	0.65	2265	13.89	9.03	0.65	2281	12.36	8.04	0.65	2326	11.87	7.72	0.65	2348	11.28	7.33	0.65	2394	10.60	6.89	0.65	2441
	31	87.8	26	78.8	19.12	10.13	0.53	2087	17.78	9.42	0.53	2187	17.60	9.33	0.53	2208	14.52	7.70	0.53	2289	14.09	7.47	0.53	2305	12.54	6.64	0.53	2349	12.04	6.38	0.53	2372	11.43	6.06	0.53	2418	10.75	5.70	0.53	2465
	32	89.6	18	64.4	18.17	16.53	0.91	2018	16.90	15.38	0.91	2120	16.73	15.22	0.91	2141	13.80	12.56	0.91	2223	13.39	12.18	0.91	2239	11.91	10.84	0.91	2284	11.44	10.41	0.91	2307	10.87	9.89	0.91	2353	10.21	9.29	0.91	2400
	32	89.6	20	68.0	18.54	16.87	0.91	2045	17.24	15.69	0.91	2146	17.07	15.53	0.91	2167	14.08	12.82	0.91	2249	13.66	12.43	0.91	2265	12.16	11.06	0.91	2310	11.67	10.62	0.91	2333	11.09	10.09	0.91	2379	10.42	9.48	0.91	2426
	32	89.6	22	71.6	18.91	15.32	0.81	2063	17.59	14.25	0.81	2164	17.41	14.10	0.81	2185	14.36	11.63	0.81	2267	13.93	11.29	0.81	2283	12.40	10.04	0.81	2328	11.90	9.64	0.81	2351	11.31	9.16	0.81	2397	10.63	8.61	0.81	2444
	32	89.6	24	75.2	19.04	13.14	0.69	2084	17.71	12.22	0.69	2185	17.53	12.10	0.69	2206	14.47	9.98	0.69	2288	14.03	9.68	0.69	2304	12.49	8.62	0.69	2349	11.99	8.27	0.69	2372	11.39	7.86	0.69	2418	10.71	7.39	0.69	2465
	32	89.6	26	78.8	19.31	11.01	0.57	2108	17.96	10.24	0.57	2209	17.78	10.13	0.57	2231	14.67	8.36	0.57	2312	14.23	8.11	0.57	2328	12.66	7.22	0.57	2373	12.16	6.93	0.57	2396	11.55	6.58	0.57	2442	10.86	6.19	0.57	2489

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					-15(5F)				-7(19,4F)				0(32F)				10(50F)				15(59F)				21(69,8F)				25(77F)				27(80,6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
80%	21	69.8	18	64.4	16.55	10.10	0.61	1387	16.39	10.00	0.61	1400	16.21	9.89	0.61	1413	16.00	9.76	0.61	1424	15.84	9.67	0.61	1431	15.67	9.56	0.61	1479	15.46	9.43	0.61	1544	15.18	9.26	0.61	1649	14.83	9.04	0.61	1725
	21	69.8	20	68.0	17.24	8.45	0.49	1411	17.07	8.36	0.49	1423	16.88	8.27	0.49	1436	16.66	8.17	0.49	1448	16.50	8.08	0.49	1455	16.32	8.00	0.49	1502	16.09	7.89	0.49	1568	15.81	7.75	0.49	1672	15.44	7.56	0.49	1749
	22	71.6	18	64.4	17.07	11.09	0.65	1401	16.90	10.98	0.65	1414	16.71	10.86	0.65	1427	16.50	10.72	0.65	1439	16.33	10.62	0.65	1446	16.16	10.50	0.65	1494	15.93	10.36	0.65	1560	15.65	10.17	0.65	1665	15.29	9.94	0.65	1742
	22	71.6	20	68.0	17.59	9.32	0.53	1425	17.41	9.23	0.53	1438	17.22	9.13	0.53	1451	17.00	9.01	0.53	1462	16.84	8.92	0.53	1470	16.65	8.83	0.53	1518	16.42	8.70	0.53	1584	16.13	8.55	0.53	1689	15.75	8.35	0.53	1766
	22	71.6	22	71.6	17.89	7.33	0.41	1441	17.71	7.26	0.41	1454	17.52	7.18	0.41	1467	17.29	7.09	0.41	1478	17.12	7.02	0.41	1486	16.93	6.94	0.41	1534	16.70	6.85	0.41	1600	16.41	6.73	0.41	1705	16.02	6.57	0.41	1782
	23	73.4	18	64.4	17.41	12.02	0.69	1415	17.24	11.90	0.69	1428	17.05	11.77	0.69	1441	16.84	11.62	0.69	1453	16.67	11.50	0.69	1460	16.49	11.38	0.69	1509	16.26	11.22	0.69	1576	15.97	11.02	0.69	1682	15.60	10.76	0.69	1760
	23	73.4	20	68.0	17.95	10.23	0.57	1439	17.77	10.13	0.57	1452	17.58	10.02	0.57	1465	17.35	9.89	0.57	1477	17.18	9.79	0.57	1484	16.99	9.69	0.57	1533	16.76	9.55	0.57	1600	16.46	9.38	0.57	1706	16.07	9.16	0.57	1784
	23	73.4	22	71.6	18.25	8.21	0.45	1456	18.07	8.13	0.45	1469	17.87	8.04	0.45	1482	17.65	7.94	0.45	1493	17.47	7.86	0.45	1501	17.28	7.78	0.45	1549	17.04	7.67	0.45	1616	16.74	7.53	0.45	1722	16.35	7.36	0.45	1800
	24	75.2	18	64.4	17.77	12.97	0.73	1430	17.59	12.84	0.73	1443	17.40	12.70	0.73	1456	17.18	12.54	0.73	1468	17.01	12.42	0.73	1475	16.82	12.28	0.73	1524	16.59	12.11	0.73	1591	16.30	11.90	0.73	1699	15.92	11.62	0.73	1778
	24	75.2	20	68.0	18.31	11.17	0.61	1454	18.13	11.06	0.61	1467	17.93	10.94	0.61	1480	17.70	10.80	0.61	1492	17.53	10.69	0.61	1499	17.34	10.58	0.61	1548	17.10	10.43	0.61	1616	16.80	10.25	0.61	1723	16.40	10.01	0.61	1802
	24	75.2	22	71.6	18.62	9.13	0.49	1470	18.44	9.04	0.49	1483	18.24	8.94	0.49	1497	18.01	8.82	0.49	1508	17.83	8.74	0.49	1516	17.63	8.64	0.49	1565	17.39	8.52	0.49	1632	17.08	8.37	0.49	1740	16.68	8.17	0.49	1819
	24	75.2	24	75.2	18.89	6.99	0.37	1490	18.70	6.92	0.37	1503	18.49	6.84	0.37	1516	18.26	6.76	0.37	1528	18.08	6.69	0.37	1535	17.88	6.62	0.37	1584	17.63	6.52	0.37	1652	17.32	6.41	0.37	1759	16.92	6.26	0.37	1838
	25	77.0	18	64.4	18.32	14.11	0.77	1444	18.14	13.97	0.77	1457	17.94	13.81	0.77	1471	17.71	13.64	0.77	1483	17.53	13.50	0.77	1490	17.34	13.35	0.77	1540	17.10	13.17	0.77	1608	16.80	12.94	0.77	1716	16.41	12.63	0.77	1796
	25	77.0	20	68.0	18.88	12.27	0.65	1469	18.69	12.15	0.65	1482	18.49	12.02	0.65	1495	18.25	11.86	0.65	1507	18.07	11.75	0.65	1515	17.87	11.62	0.65	1564	17.63	11.46	0.65	1632	17.32	11.26	0.65	1741	16.91	10.99	0.65	1820
	25	77.0	22	71.6	19.20	10.18	0.53	1485	19.01	10.08	0.53	1498	18.80	9.97	0.53	1512	18.56	9.84	0.53	1524	18.38	9.74	0.53	1531	18.18	9.63	0.53	1581	17.93	9.50	0.53	1649	17.61	9.33	0.53	1757	17.20	9.11	0.53	1837
	25	77.0	24	75.2	19.47	7.98	0.41	1505	19.28	7.90	0.41	1518	19.07	7.82	0.41	1531	18.82	7.72	0.41	1543	18.64	7.64	0.41	1551	18.43	7.56	0.41	1600	18.18	7.45	0.41	1668	17.86	7.32	0.41	1777	17.44	7.15	0.41	1857
	26	78.8	18	64.4	18.89	15.30	0.81	1459	18.70	15.15	0.81	1472	18.49	14.98	0.81	1485	18.26	14.79	0.81	1498	18.08	14.64	0.81	1505	17.88	14.48	0.81	1555	17.63	14.28	0.81	1624	17.32	14.03	0.81	1734	16.92	13.70	0.81	1814
	26	78.8	20	68.0	19.46	13.43	0.69	1483	19.27	13.30	0.69	1497	19.06	13.15	0.69	1510	18.82	12.98	0.69	1522	18.63	12.85	0.69	1530	18.43	12.71	0.69	1580	18.17	12.54	0.69	1649	17.85	12.32	0.69	1758	17.43	12.03	0.69	1839
	26	78.8	22	71.6	19.79	11.28	0.57	1500	19.60	11.17	0.57	1514	19.39	11.05	0.57	1527	19.14	10.91	0.57	1539	18.95	10.80	0.57	1547	18.74	10.68	0.57	1597	18.48	10.53	0.57	1665	18.16	10.35	0.57	1775	17.73	10.11	0.57	1855
	26	78.8	24	75.2	20.07	9.03	0.45	1520	19.87	8.94	0.45	1533	19.66	8.85	0.45	1547	19.40	8.73	0.45	1559	19.21	8.65	0.45	1566	19.00	8.55	0.45	1617	18.74	8.43	0.45	1685	18.41	8.28	0.45	1795	17.98	8.09	0.45	1875
	26	78.8	26	78.8	20.39	6.73	0.33	1543	20.19	6.66	0.33	1556	19.97	6.59	0.33	1570	19.71	6.51	0.33	1582	19.52	6.44	0.33	1589	19.31	6.37	0.33	1639	19.04	6.28	0.33	1708	18.70	6.17	0.33	1818	18.27	6.03	0.33	1898
	27	80.6	18	64.4	19.27	16.38	0.85	1473	19.08	16.22	0.85	1487	18.87	16.04	0.85	1500	18.63	15.84	0.85	1513	18.45	15.68	0.85	1520	18.25	15.51	0.85	1571	17.99	15.29	0.85	1640	17.67	15.02	0.85	1751	17.26	14.67	0.85	1832
	27	80.6	19	66.2	19.66	15.53	0.79	1483	19.47	15.38	0.79	1497	19.26	15.21	0.79	1510	19.01	15.02	0.79	1523	18.82	14.87	0.79	1530	18.62	14.71	0.79	1581	18.36	14.50	0.79	1650	18.04	14.25	0.79	1761	17.61	13.91	0.79	1842
	27	80.6	20	68.0	19.86	14.50	0.73	1498	19.66	14.35	0.73	1512	19.45	14.20	0.73	1525	19.20	14.02	0.73	1538	19.01	13.88	0.73	1545	18.80	13.73	0.73	1596	18.54	13.54	0.73	1665	18.22	13.30	0.73	1776	17.79	12.99	0.73	1857
	27	80.6	22	71.6	20.20	12.32	0.61	1515	20.00	12.20	0.61	1529	19.78	12.07	0.61	1542	19.53	11.91	0.61	1555	19.33	11.79	0.61	1562	19.12	11.67	0.61	1613	18.86	11.50	0.61	1682	18.53	11.30	0.61	1793	18.09	11.04	0.61	1874
	27	80.6	24	75.2	20.48	10.04	0.49	1535	20.28	9.94	0.49	1549	20.06	9.83	0.49	1562	19.80	9.70	0.49	1575	19.60	9.61	0.49	1582	19.39	9.50	0.49	1633	19.12	9.37	0.49	1702	18.79	9.20	0.49	1813	18.34	8.99	0.49	1894
	27	80.6	26	78.8	20.81	7.70	0.37	1558	20.60	7.62	0.37	1572	20.38	7.54	0.37	1585	20.12	7.44	0.37	1598	19.92	7.37	0.37	1605	19.70	7.29	0.37	1656	19.43	7.19	0.37	1725	19.09	7.06	0.37	1836	18.64	6.90	0.37	1917
	28	82.4	18	64.4	19.46	17.32	0.89	1488	19.27	17.15	0.89	1502	19.06	16.96	0.89	1515	18.82	16.75	0.89	1528	18.63	16.58	0.89	1536	18.43	16.40	0.89	1587	18.17	16.17	0.89	1657	17.85	15.89	0.89	1769	17.43	15.52	0.89	1851
	28	82.4	20	68.0	19.86	15.29	0.77	1513	19.66	15.14	0.77	1527	19.45	14.98	0.77	1541	19.20	14.78	0.77	1553	19.01	14.64	0.77	1561	18.80	14.48	0.77	1612	18.54	14.28	0.77	1682	18.22	14.03	0.77	1794	17.79	13.70	0.77	1876
	28	82.4	22	71.6	20.06	13.04	0.65	1531	19.86	12.91	0.65	1544	19.64	12.77	0.65	1558	19.39	12.61	0.65	1570	19.20	12.48	0.65	1578	18.99	12.34	0.65	1629	18.73	12.17	0.65	1699	18.40	11.96	0.65	1811	17.97	11.68	0.65	1893
	28	82.4	24	75.2	20.40	10.81	0.53	1551	20.20	10.71	0.53	1564	19.98	10.59	0.53	1578	19.72	10.45	0.53	1590	19.53	10.35	0.53	1598	19.31	10.24	0.53	1649	19.05	10.10	0.53	1719	18.71	9.92	0.53	1831	18.27	9.68	0.53	1913
	28	82.4	26	78.8	20.69	8.48	0.41	1574	20.48	8.40	0.41	1588	20.26	8.31	0.41	1601	20.00	8.20	0.41	1614	19.80	8.12	0.41	1621	19.58	8.03	0.41	1672	19.31	7.92	0.41	1742	18.97	7.78	0.41	1855	18.53	7.60	0.41	1936
	29	84.2	18	64.4	19.66	17.89	0.91	1503	19.46	17.71	0.91	1517	19.25	17.52	0.91	1531	19.00	17.29	0.91	1543	18.82	17.12	0.91	1551	18.61	16.94	0.91	1602	18.35	16.70	0.91	1673	18.03	16.41	0.91	1786	17.61	16.02	0.91	1869
	29	84.2	20	68.0	20.06	16.25	0.81	1529	19.86	16.09	0.81	1542	19.64	15.91	0.81	1556	19.39	15.71	0.81	1569	19.20	15.55	0.81	1576	18.99	15.38	0.81	1628	18.73	15.17	0.81	1699	18.40	14.90	0.81	1812	17.97	14.55	0.81	1895
	29	84.2	22	71.6	20.46	14.12	0.69	1546	20.26	13.98	0.69	1560	20.04	13.83	0.69	1573	19.78	13.65	0.69	1586	19.58	13.51	0.69	1594	19.37	13.37	0.69	1645	19.10	13.18	0.69	1716	18.77	12.95	0.69	1829	18.33	12.65	0.69	1912
	29	84.2	24	75.2	20.60	11.74	0.57	1566	20.40	11.63	0.57	1580	20.18	11.50	0.57	1594	19.92	11.35	0.57	1606	19.72	11.24	0.57	1614	19.51	11.12	0.57	1666	19.24	10.97	0.57	1736	18.90	10.77	0.57	1850	18.46	10.52	0.57	1932
	29	84.2	26	78.8	20.89	9.40	0.45	1590	20.69	9.31	0.45	1603	20.46	9.21	0.45	1617	20.20	9.09	0.45	1630	20.00	9.00	0.45	1638	19.78	8.90	0.45	1689	19.51	8.78	0.45	1760	19.16	8.62	0.45	1873	18.71	8.42	0.45	1956
	30	86.0	18	64.4	19.85	18.07	0.91	1518	19.66	17.89	0.91	1532	19.44	17.69	0.91	1546	19.19	17.47	0.91	1558	19.00	17.29	0.91	1566	18.80	17.11	0.91	1618	18.54	16.87	0.91	1690	18.21	16.57	0.91	1804	17.78	16.18	0.91	1888
	30	86.0	20	68.0	20.26	17.22	0.85	1544	20.06	17.05	0.85	1558	19.84	16.86	0.85	1572	19.59	16.65	0.85	1584	19.39	16.48	0.85	1592	19.18	16.30	0.85	1644	18.92	16.08	0.85	1716	18.58	15.79	0.85	1830	18.15	15.42	0.85	1913
	30	86.0	22	71.6	20.67	15.09	0.73	1561	20.46	14.94	0.73	1575	20.24	14.77	0.73	1589	19.98	14.58	0.73	1602	19.78	14.44	0.73	1610	19.57	14.28	0.73	1662	19.30	14.09	0.73	1733	18.95	13.84	0.73	1847	18.51	13.51	0.73	1931
	30	86.0	24	75.2	20.81	12.69	0.61	1582	20.60	12.57	0.61	1596	20.38	12.43	0.61	1610	20.12	12.27	0.61	1622	19.92	12.15	0.61	1630	19.70	12.02	0.61	1682	19.43	11.85	0.61	1754	19.09	11.64	0.61	1868	18.64	11.37	0.61	1952
	30	86.0	26	78.8	21.10	10.34	0.49	1606	20.89	10.24	0.49	1620	20.67	10.13	0.49	1634	20.40	10.00	0.49	1646	20.20	9.90	0.49	1654	19.98	9.79	0.49	1706	19.70	9.65	0.49	1777	19.35	9.48	0.49	1892	18.90	9.26	0.49	1975
	31	87.8	18	64.4	20.05	18.25	0.91	1533	19.85	18.07	0.91	1547	19.64	17.87	0.91	1561	19.39	17.64	0.91	1574	19.19	17.47	0.91	1582	18.99	17.28	0.91	1635	18.72	17.04	0.91	1707	18.39	16.74	0.91	1822	17.96	16.35	0.91	1907
	31	87.8	20	68.0	20.46	18.21	0.89	1559	20.26	18.03	0.89	1573	20.04	17.84	0.89	1587	19.78	17.61	0.89	1600	19.59	17.43	0.89	1608	19.37	17.24	0.89	1661	19.11	17.00	0.89	1733	18.77	16.70	0.89	1848	18.33	16.31	0.89	1933
	31	87.8	22	71.6	20.87	16.07	0.77	1577	20.67	15.91	0.77	1591	20.44	15.74	0.77	1605	20.18	15.54	0.77	1618	19.98	15.38	0.77	1626	19.76	15.22	0.77	1678	19.49	15.01	0.77	1750	19.14	14.74	0.77	1866	18.69	14.39	0.77	1950
	31	87.8	24	75.2	21.02	13.66	0.65	1598	20.81	13.53	0.65	1612	20.58	13.38	0.65	1626	20.32	13.21	0.65	1639	20.12	13.08	0.65	1647	19.90	12.93	0.65	1699	19.62	12.76	0.65	1771	19.28	12.53	0.65	1887	18.83	12.24	0.65	1971
	31	87.8	26	78.8	21.31	11.30	0.53	1622	21.10	11.18	0.53	1636	20.87	11.06	0.53	1650	20.60	10.92	0.53	1663	20.40	10.81	0.53	1670	20.18	10.69	0.53	1723	19.90	10.55	0.53	1795	19.55	10.36	0.53	1911	19.09	10.12	0.53	1995
	32	89.6	18	64.4	20.25	18.43	0.91	1549	20.05	18.25	0.91	1563	19.84	18.05	0.91	1577	19.58	17.82	0.91	1590	19.39	17.64	0.91	1598	19.18	17.45	0.91	1651	18.91	17.21	0.91	1724	18.58	16.90	0.91	1840	18.14	16.51	0.91	1926
	32	89.6	20	68.0	20.67	18.81	0.91	1575	20.46	18.62	0.91	1589	20.24	18.42	0.91	1603	19.98	18.18	0.91	1616	19.78	18.00	0.91	1624	19.57	17.81	0.91	1677	19.30	17.56	0.91	1750	18.96	17.25	0.91	1867	18.51	16.85	0.91	1952
	32	89.6	22	71.6	21.08	17.08	0.81	1593	20.87	16.91	0.81	1607	20.64	16.72	0.81	1621	20.38	16.51	0.81	1634	20.18	16.34	0.81	1642	19.96	16.17	0.81	1695	19.68	15.94	0.81	1768	19.33	15.66	0.81	1885	18.88	15.29	0.81	1970
	32	89.6	24	75.2	21.23	14.65	0.69	1614	21.02	14.50	0.69	1628	20.79	14.34	0.69	1642	20.52	14.16	0.69	1655	20.32	14.02	0.69	1663	20.10	13.87	0.69	1716	19.82	13.68	0.69	1789	19.47	13.43	0.69	1906	19.01	13.12	0.69	1991
	32	89.6	26	78.8	21.53	12.27	0.57	1638	21.31	12.15	0.57	1652	21.08	12.02	0.57	1666	20.81	11.86	0.57	1679	20.60	11.74	0.57	1687	20.38	11.62	0.57	1740	20.10	11.46	0.57	1813	19.74	11.25	0.57	1930	19.28	10.99	0.57	2015

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																																	
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)				53.8(128.8F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
80%	21	69.8	18	64.4	14.40	8.78	0.61	1790	13.39	8.17	0.61	1880	13.25	8.08	0.61	1899	10.93	6.67	0.61	1971	10.61	6.47	0.61	1985	9.44	5.76	0.61	2025	9.06	5.53	0.61	2045	8.61	5.25	0.61	2086	8.09	4.94	0.61	2128
	21	69.8	20	68.0	14.99	7.34	0.49	1813	13.94	6.83	0.49	1903	13.80	6.76	0.49	1922	11.39	5.58	0.49	1995	11.04	5.41	0.49	2009	9.83	4.82	0.49	2048	9.44	4.62	0.49	2069	8.96	4.39	0.49	2110	8.43	4.13	0.49	2152
	22	71.6	18	64.4	14.84	9.65	0.65	1808	13.80	8.97	0.65	1899	13.66	8.88	0.65	1918	11.27	7.33	0.65	1991	10.93	7.11	0.65	2005	9.73	6.33	0.65	2045	9.34	6.07	0.65	2066	8.88	5.77	0.65	2107	8.34	5.42	0.65	2150
	22	71.6	20	68.0	15.29	8.11	0.53	1832	14.22	7.54	0.53	1922	14.08	7.46	0.53	1942	11.62	6.16	0.53	2015	11.27	5.97	0.53	2029	10.03	5.32	0.53	2069	9.63	5.10	0.53	2090	9.15	4.85	0.53	2131	8.60	4.56	0.53	2173
	22	71.6	22	71.6	15.55	6.38	0.41	1848	14.47	5.93	0.41	1939	14.32	5.87	0.41	1958	11.81	4.84	0.41	2031	11.46	4.70	0.41	2045	10.20	4.18	0.41	2085	9.79	4.01	0.41	2106	9.30	3.81	0.41	2147	8.74	3.59	0.41	2190
	23	73.4	18	64.4	15.14	10.45	0.69	1826	14.08	9.72	0.69	1918	13.94	9.62	0.69	1937	11.50	7.94	0.69	2011	11.16	7.70	0.69	2025	9.93	6.85	0.69	2066	9.53	6.58	0.69	2087	9.06	6.25	0.69	2129	8.51	5.87	0.69	2171
	23	73.4	20	68.0	15.61	8.90	0.57	1850	14.51	8.27	0.57	1942	14.37	8.19	0.57	1961	11.85	6.76	0.57	2035	11.50	6.55	0.57	2049	10.23	5.83	0.57	2090	9.82	5.60	0.57	2111	9.33	5.32	0.57	2153	8.77	5.00	0.57	2195
	23	73.4	22	71.6	15.87	7.14	0.45	1866	14.76	6.64	0.45	1958	14.61	6.58	0.45	1977	12.06	5.43	0.45	2051	11.69	5.26	0.45	2066	10.41	4.68	0.45	2106	9.99	4.50	0.45	2127	9.49	4.27	0.45	2169	8.92	4.02	0.45	2212
	24	75.2	18	64.4	15.45	11.28	0.73	1845	14.37	10.49	0.73	1937	14.23	10.39	0.73	1957	11.74	8.57	0.73	2031	11.39	8.31	0.73	2046	10.13	7.40	0.73	2087	9.73	7.10	0.73	2108	9.24	6.75	0.73	2150	8.69	6.34	0.73	2193
	24	75.2	20	68.0	15.93	9.71	0.61	1869	14.81	9.03	0.61	1962	14.66	8.94	0.61	1981	12.10	7.38	0.61	2056	11.73	7.16	0.61	2070	10.44	6.37	0.61	2111	10.03	6.12	0.61	2132	9.52	5.81	0.61	2174	8.95	5.46	0.61	2218
	24	75.2	22	71.6	16.20	7.94	0.49	1885	15.06	7.38	0.49	1978	14.91	7.31	0.49	1997	12.30	6.03	0.49	2072	11.93	5.85	0.49	2086	10.62	5.20	0.49	2128	10.20	5.00	0.49	2149	9.69	4.75	0.49	2191	9.10	4.46	0.49	2234
	24	75.2	24	75.2	16.42	6.08	0.37	1905	15.27	5.65	0.37	1997	15.12	5.59	0.37	2017	12.47	4.62	0.37	2092	12.10	4.48	0.37	2106	10.77	3.98	0.37	2147	10.34	3.83	0.37	2168	9.82	3.63	0.37	2210	9.23	3.42	0.37	2254
	25	77.0	18	64.4	15.93	12.27	0.77	1863	14.82	11.41	0.77	1957	14.67	11.29	0.77	1976	12.10	9.32	0.77	2052	11.74	9.04	0.77	2066	10.45	8.04	0.77	2108	10.03	7.72	0.77	2129	9.53	7.34	0.77	2172	8.96	6.90	0.77	2216
	25	77.0	20	68.0	16.42	10.67	0.65	1888	15.27	9.92	0.65	1981	15.12	9.83	0.65	2001	12.47	8.11	0.65	2076	12.10	7.86	0.65	2091	10.77	7.00	0.65	2132	10.34	6.72	0.65	2154	9.82	6.38	0.65	2196	9.23	6.00	0.65	2240
	25	77.0	22	71.6	16.70	8.85	0.53	1904	15.53	8.23	0.53	1998	15.37	8.15	0.53	2018	12.68	6.72	0.53	2093	12.30	6.52	0.53	2108	10.95	5.80	0.53	2149	10.51	5.57	0.53	2170	9.99	5.29	0.53	2213	9.39	4.97	0.53	2257
	25	77.0	24	75.2	16.93	6.94	0.41	1924	15.75	6.46	0.41	2018	15.59	6.39	0.41	2037	12.86	5.27	0.41	2113	12.47	5.11	0.41	2127	11.10	4.55	0.41	2169	10.66	4.37	0.41	2190	10.13	4.15	0.41	2233	9.52	3.90	0.41	2276
	26	78.8	18	64.4	16.42	13.30	0.81	1882	15.27	12.37	0.81	1977	15.12	12.25	0.81	1996	12.47	10.10	0.81	2073	12.10	9.80	0.81	2087	10.77	8.72	0.81	2129	10.34	8.37	0.81	2151	9.82	7.96	0.81	2194	9.23	7.48	0.81	2238
	26	78.8	20	68.0	16.93	11.68	0.69	1907	15.74	10.86	0.69	2001	15.58	10.75	0.69	2021	12.86	8.87	0.69	2097	12.47	8.60	0.69	2112	11.10	7.66	0.69	2154	10.65	7.35	0.69	2175	10.12	6.98	0.69	2219	9.51	6.57	0.69	2263
	26	78.8	22	71.6	17.21	9.81	0.57	1924	16.01	9.12	0.57	2018	15.85	9.03	0.57	2038	13.07	7.45	0.57	2114	12.68	7.23	0.57	2129	11.29	6.43	0.57	2171	10.84	6.18	0.57	2192	10.29	5.87	0.57	2235	9.68	5.52	0.57	2279
	26	78.8	24	75.2	17.45	7.85	0.45	1943	16.23	7.30	0.45	2038	16.07	7.23	0.45	2058	13.26	5.97	0.45	2134	12.86	5.79	0.45	2149	11.45	5.15	0.45	2191	10.99	4.94	0.45	2212	10.44	4.70	0.45	2255	9.81	4.42	0.45	2299
	26	78.8	26	78.8	17.73	5.85	0.33	1966	16.49	5.44	0.33	2061	16.33	5.39	0.33	2081	13.47	4.45	0.33	2157	13.07	4.31	0.33	2171	11.63	3.84	0.33	2213	11.16	3.68	0.33	2235	10.61	3.50	0.33	2278	9.97	3.29	0.33	2322
	27	80.6	18	64.4	16.76	14.24	0.85	1901	15.58	13.25	0.85	1997	15.43	13.11	0.85	2017	12.73	10.82	0.85	2094	12.35	10.50	0.85	2108	10.99	9.34	0.85	2151	10.55	8.97	0.85	2172	10.02	8.52	0.85	2216	9.42	8.01	0.85	2260
	27	80.6	19	66.2	17.10	13.51	0.79	1911	15.90	12.56	0.79	2007	15.74	12.44	0.79	2027	12.99	10.26	0.79	2104	12.60	9.95	0.79	2118	11.21	8.86	0.79	2161	10.76	8.50	0.79	2182	10.23	8.08	0.79	2226	9.61	7.59	0.79	2270
	27	80.6	20	68.0	17.27	12.61	0.73	1926	16.06	11.73	0.73	2022	15.90	11.61	0.73	2042	13.12	9.58	0.73	2119	12.73	9.29	0.73	2133	11.33	8.27	0.73	2176	10.87	7.94	0.73	2197	10.33	7.54	0.73	2241	9.71	7.09	0.73	2285
	27	80.6	22	71.6	17.56	10.71	0.61	1943	16.34	9.96	0.61	2039	16.17	9.86	0.61	2059	13.34	8.14	0.61	2136	12.94	7.89	0.61	2150	11.52	7.03	0.61	2193	11.06	6.74	0.61	2214	10.50	6.41	0.61	2258	9.87	6.02	0.61	2302
	27	80.6	24	75.2	17.81	8.73	0.49	1963	16.56	8.12	0.49	2059	16.40	8.04	0.49	2079	13.53	6.63	0.49	2156	13.12	6.43	0.49	2170	11.68	5.72	0.49	2213	11.21	5.49	0.49	2234	10.65	5.22	0.49	2278	10.01	4.91	0.49	2322
	27	80.6	26	78.8	18.10	6.70	0.37	1986	16.83	6.23	0.37	2082	16.66	6.16	0.37	2102	13.74	5.09	0.37	2179	13.33	4.93	0.37	2193	11.87	4.39	0.37	2236	11.39	4.21	0.37	2257	10.82	4.00	0.37	2301	10.17	3.76	0.37	2345
	28	82.4	18	64.4	16.93	15.06	0.89	1920	15.74	14.01	0.89	2017	15.58	13.87	0.89	2037	12.86	11.44	0.89	2115	12.47	11.10	0.89	2129	11.10	9.88	0.89	2172	10.65	9.48	0.89	2194	10.12	9.01	0.89	2238	9.51	8.47	0.89	2283
	28	82.4	20	68.0	17.27	13.30	0.77	1945	16.06	12.37	0.77	2042	15.90	12.24	0.77	2062	13.12	10.10	0.77	2140	12.73	9.80	0.77	2155	11.33	8.72	0.77	2197	10.87	8.37	0.77	2219	10.33	7.95	0.77	2263	9.71	7.48	0.77	2308
	28	82.4	22	71.6	17.44	11.34	0.65	1962	16.22	10.54	0.65	2059	16.06	10.44	0.65	2079	13.25	8.61	0.65	2157	12.85	8.35	0.65	2172	11.44	7.44	0.65	2215	10.98	7.14	0.65	2236	10.43	6.78	0.65	2281	9.81	6.37	0.65	2326
	28	82.4	24	75.2	17.74	9.40	0.53	1983	16.50	8.74	0.53	2079	16.33	8.66	0.53	2099	13.48	7.14	0.53	2177	13.07	6.93	0.53	2192	11.63	6.17	0.53	2235	11.17	5.92	0.53	2257	10.61	5.62	0.53	2301	9.97	5.29	0.53	2346
	28	82.4	26	78.8	17.99	7.38	0.41	2006	16.73	6.86	0.41	2102	16.56	6.79	0.41	2123	13.66	5.60	0.41	2200	13.25	5.43	0.41	2215	11.80	4.84	0.41	2258	11.32	4.64	0.41	2280	10.76	4.41	0.41	2324	10.11	4.15	0.41	2369
	29	84.2	18	64.4	17.09	15.56	0.91	1939	15.90	14.47	0.91	2037	15.74	14.32	0.91	2057	12.98	11.82	0.91	2136	12.60	11.46	0.91	2151	11.21	10.20	0.91	2194	10.76	9.79	0.91	2216	10.22	9.30	0.91	2261	9.61	8.75	0.91	2306
	29	84.2	20	68.0	17.44	14.13	0.81	1965	16.22	13.14	0.81	2062	16.06	13.01	0.81	2083	13.25	10.73	0.81	2161	12.85	10.41	0.81	2176	11.44	9.27	0.81	2219	10.98	8.89	0.81	2241	10.43	8.45	0.81	2286	9.81	7.94	0.81	2331
	29	84.2	22	71.6	17.79	12.28	0.69	1982	16.55	11.42	0.69	2080	16.38	11.30	0.69	2100	13.51	9.33	0.69	2179	13.11	9.05	0.69	2194	11.67	8.05	0.69	2237	11.20	7.73	0.69	2259	10.64	7.34	0.69	2303	10.00	6.90	0.69	2349
	29	84.2	24	75.2	17.92	10.21	0.57	2002	16.66	9.50	0.57	2100	16.50	9.40	0.57	2120	13.61	7.76	0.57	2199	13.20	7.52	0.57	2214	11.75	6.70	0.57	2257	11.28	6.43	0.57	2279	10.72	6.11	0.57	2324	10.07	5.74	0.57	2369
	29	84.2	26	78.8	18.17	8.18	0.45	2026	16.90	7.60	0.45	2123	16.73	7.53	0.45	2144	13.80	6.21	0.45	2222	13.39	6.02	0.45	2237	11.91	5.36	0.45	2281	11.44	5.15	0.45	2303	10.87	4.89	0.45	2347	10.21	4.60	0.45	2393
	30	86.0	18	64.4	17.27	15.71	0.91	1959	16.06	14.61	0.91	2057	15.90	14.47	0.91	2078	13.11	11.93	0.91	2157	12.72	11.58	0.91	2172	11.32	10.30	0.91	2216	10.87	9.89	0.91	2238	10.33	9.40	0.91	2283	9.71	8.83	0.91	2329
	30	86.0	20	68.0	17.62	14.98	0.85	1984	16.38	13.93	0.85	2083	16.22	13.79	0.85	2103	13.38	11.37	0.85	2183	12.98	11.03	0.85	2198	11.55	9.82	0.85	2242	11.09	9.43	0.85	2264	10.54	8.96	0.85	2309	9.90	8.42	0.85	2355
	30	86.0	22	71.6	17.97	13.12	0.73	2002	16.71	12.20	0.73	2100	16.55	12.08	0.73	2121	13.65	9.96	0.73	2200	13.24	9.67	0.73	2216	11.78	8.60	0.73	2259	11.31	8.26	0.73	2281	10.75	7.85	0.73	2326	10.10	7.37	0.73	2372
	30	86.0	24	75.2	18.10	11.04	0.61	2022	16.83	10.27	0.61	2121	16.66	10.16	0.61	2142	13.75	8.39	0.61	2221	13.33	8.13	0.61	2236	11.87	7.24	0.61	2280	11.39	6.95	0.61	2302	10.82	6.60	0.61	2347	10.17	6.21	0.61	2393
	30	86.0	26	78.8	18.35	8.99	0.49	2046	17.07	8.36	0.49	2145	16.90	8.28	0.49	2165	13.94	6.83	0.49	2245	13.52	6.62	0.49	2260	12.03	5.90	0.49	2303	11.55	5.66	0.49	2326	10.97	5.38	0.49	2371	10.32	5.05	0.49	2417
	31	87.8	18	64.4	17.44	15.87	0.91	1978	16.22	14.76	0.91	2078	16.06	14.61	0.91	2098	13.25	12.05	0.91	2179	12.85	11.69	0.91	2194	11.44	10.41	0.91	2238	10.98	9.99	0.91	2261	10.43	9.49	0.91	2306	9.80	8.92	0.91	2352
	31	87.8	20	68.0	17.79	15.84	0.89	2004	16.55	14.73	0.89	2104	16.38	14.58	0.89	2125	13.52	12.03	0.89	2205	13.11	11.67	0.89	2220	11.67	10.38	0.89	2264	11.20	9.97	0.89	2287	10.64	9.47	0.89	2332	10.00	8.90	0.89	2378
	31	87.8	22	71.6	18.15	13.98	0.77	2022	16.88	13.00	0.77	2121	16.71	12.87	0.77	2142	13.79	10.62	0.77	2222	13.37	10.30	0.77	2238	11.90	9.16	0.77	2282	11.43	8.80	0.77	2304	10.85	8.36	0.77	2350	10.20	7.86	0.77	2396
	31	87.8	24	75.2	18.28	11.88	0.65	2043	17.00	11.05	0.65	2142	16.83	10.94	0.65	2163	13.88	9.02	0.65	2243	13.47	8.75	0.65	2258	11.99	7.79	0.65	2303	11.51	7.48	0.65	2325	10.93	7.11	0.65	2370	10.27	6.68	0.65	2417
	31	87.8	26	78.8	18.53	9.82	0.53	2067	17.24	9.14	0.53	2166	17.06	9.04	0.53	2187	14.08	7.46	0.53	2267	13.66	7.24	0.53	2282	12.15	6.44	0.53	2326	11.67	6.18	0.53	2349	11.08	5.87	0.53	2394	10.42	5.52	0.53	2441
	32	89.6	18	64.4	17.61	16.03	0.91	1998	16.38	14.91	0.91	2098	16.22	14.76	0.91	2119	13.38	12.17	0.91	2200	12.98	11.81	0.91	2216	11.55	10.51	0.91	2260	11.09	10.09	0.91	2283	10.53	9.59	0.91	2329	9.90	9.01	0.91	2376
	32	89.6	20	68.0	17.97	16.35	0.91	2024	16.71	15.21	0.91	2125	16.55	15.06	0.91	2146	13.65	12.42	0.91	2227	13.24	12.05	0.91	2242	11.79	10.72	0.91	2287	11.31	10.30	0.91	2309	10.75	9.78	0.91	2355	10.10	9.19	0.91	2402
	32	89.6	22	71.6	18.33	14.85	0.81	2042	17.05	13.81	0.81	2143	16.88	13.67	0.81	2164	13.92	11.28	0.81	2245	13.51	10.94	0.81	2260	12.02	9.74	0.81	2305	11.54	9.35	0.81	2327	10.96	8.88	0.81	2373	10.31	8.35	0.81	2420
	32	89.6	24	75.2	18.46	12.74	0.69	2063	17.17	11.85	0.69	2164	17.00	11.73	0.69	2185	14.02	9.68	0.69	2266	13.60	9.39	0.69	2281	12.11	8.35	0.69	2326	11.62	8.02	0.69	2348	11.04	7.62	0.69	2394	10.38	7.16	0.69	2441
	32	89.6	26	78.8	18.72	10.67	0.57	2087	17.41	9.92	0.57	2188	17.23	9.82	0.57	2209	14.22	8.10	0.57	2290	13.79	7.86	0.57	2305	12.27	7.00	0.57	2350	11.78	6.72	0.57	2372	11.19	6.38	0.57	2418	10.52	6.00	0.57	2465

5. CAPACITIES AND SELECTION DATA

18K(Up to 2 indoor units series)

PERFORMANCE DATA (Heating Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F -25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	15	59.0	15.00	2343	17.25	2566	19.17	2701	20.84	2756	14.54	2436	16.16	2460	17.01	2485	18.69	2536	20.32	2669	20.84	2702	21.94	2803	23.04	2887	23.73	2944
	16	60.8	14.82	2362	17.05	2587	18.94	2723	20.59	2779	14.37	2455	15.97	2480	16.81	2505	18.47	2556	20.07	2691	20.59	2724	21.68	2825	22.76	2910	23.45	2968
	17	62.6	14.65	2381	16.85	2608	18.72	2745	20.35	2801	14.20	2475	15.78	2500	16.61	2525	18.25	2577	19.84	2712	20.35	2746	21.42	2848	22.49	2933	23.17	2992
	18	64.4	14.47	2400	16.65	2629	18.50	2767	20.10	2824	14.03	2495	15.59	2520	16.41	2546	18.03	2598	19.60	2734	20.10	2768	21.17	2871	22.23	2957	22.90	3016
	19	66.2	14.30	2419	16.45	2650	18.28	2789	19.87	2846	13.86	2515	15.41	2540	16.22	2566	17.82	2619	19.37	2756	19.87	2790	20.92	2894	21.96	2981	22.62	3041
	20	68.0	14.16	2439	16.29	2671	18.10	2812	19.67	2869	13.73	2535	15.25	2561	16.06	2587	17.64	2640	19.18	2779	19.67	2813	20.71	2917	21.75	3005	22.40	3065
	21	69.8	13.99	2466	16.09	2701	17.88	2843	19.43	2901	13.56	2563	15.07	2589	15.86	2615	17.43	2669	18.95	2809	19.43	2844	20.46	2950	21.49	3038	22.13	3099
	22	71.6	13.82	2493	15.90	2730	17.66	2874	19.20	2933	13.40	2591	14.89	2618	15.67	2644	17.22	2698	18.72	2840	19.20	2875	20.22	2982	21.23	3071	21.87	3133
	23	73.4	13.66	2520	15.71	2760	17.45	2906	18.97	2965	13.24	2620	14.71	2646	15.48	2673	17.02	2728	18.50	2871	18.97	2907	19.97	3015	20.97	3105	21.60	3167
	24	75.2	13.49	2548	15.52	2791	17.24	2938	18.74	2998	13.08	2649	14.53	2676	15.30	2703	16.81	2758	18.27	2903	18.74	2939	19.74	3048	20.72	3139	21.34	3202
	25	77.0	13.33	2576	15.33	2821	17.04	2970	18.52	3031	12.92	2678	14.36	2705	15.11	2732	16.61	2788	18.05	2935	18.52	2971	19.50	3082	20.47	3174	21.09	3237
	26	78.8	13.17	2604	15.15	2852	16.83	3003	18.29	3064	12.77	2707	14.19	2735	14.93	2762	16.41	2819	17.84	2967	18.29	3004	19.26	3115	20.23	3209	20.83	3273
	27	80.6	13.01	2633	14.97	2884	16.63	3036	18.08	3098	12.61	2737	14.02	2765	14.75	2793	16.21	2850	17.62	3000	18.08	3037	19.03	3150	19.98	3244	20.58	3309
	28	82.4	12.86	2662	14.79	2916	16.43	3069	17.86	3132	12.46	2767	13.85	2795	14.58	2823	16.02	2881	17.41	3033	17.86	3070	18.80	3184	19.75	3280	20.34	3345
	29	84.2	12.70	2691	14.61	2948	16.23	3103	17.64	3166	12.31	2798	13.68	2826	14.40	2854	15.83	2913	17.20	3066	17.64	3104	18.58	3219	19.51	3316	20.09	3382
	30	86.0	12.55	2721	14.43	2980	16.04	3137	17.43	3201	12.17	2828	13.52	2857	14.23	2886	15.64	2945	17.00	3100	17.43	3138	18.36	3255	19.27	3352	19.85	3419

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F -25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
120%	15	59.0	14.57	2231	16.75	2444	18.61	2573	20.23	2625	14.12	2320	15.69	2343	16.51	2367	18.15	2415	19.72	2542	20.23	2574	21.30	2669	22.37	2749	23.04	2804
	16	60.8	14.39	2249	16.55	2464	18.39	2593	19.99	2646	13.95	2338	15.50	2362	16.32	2386	17.93	2434	19.49	2563	19.99	2594	21.05	2691	22.10	2771	22.76	2827
	17	62.6	14.22	2267	16.36	2483	18.17	2614	19.75	2668	13.79	2357	15.32	2381	16.12	2405	17.72	2454	19.26	2583	19.75	2615	20.80	2712	21.84	2794	22.49	2850
	18	64.4	14.05	2286	16.16	2504	17.96	2635	19.52	2689	13.62	2376	15.14	2400	15.93	2424	17.51	2474	19.03	2604	19.52	2636	20.55	2734	21.58	2816	22.23	2873
	19	66.2	13.89	2304	15.97	2524	17.74	2657	19.29	2711	13.46	2395	14.96	2419	15.74	2444	17.30	2494	18.80	2625	19.29	2658	20.31	2756	21.32	2839	21.96	2896
	20	68.0	13.75	2323	15.81	2544	17.57	2678	19.10	2733	13.33	2415	14.81	2439	15.59	2464	17.13	2514	18.62	2646	19.10	2679	20.11	2779	21.11	2862	21.75	2919
	21	69.8	13.58	2348	15.62	2572	17.36	2707	18.87	2763	13.17	2441	14.63	2466	15.40	2491	16.92	2542	18.40	2675	18.87	2708	19.87	2809	20.86	2893	21.49	2951
	22	71.6	13.42	2374	15.43	2600	17.15	2737	18.64	2793	13.01	2468	14.46	2493	15.22	2518	16.72	2570	18.17	2705	18.64	2738	19.63	2840	20.61	2925	21.23	2984
	23	73.4	13.26	2400	15.25	2629	16.94	2767	18.42	2824	12.85	2495	14.28	2520	15.03	2546	16.52	2598	17.96	2735	18.42	2768	19.39	2871	20.36	2957	20.97	3017
	24	75.2	13.10	2427	15.07	2658	16.74	2798	18.20	2855	12.70	2523	14.11	2548	14.85	2574	16.32	2626	17.74	2765	18.20	2799	19.16	2903	20.12	2990	20.72	3050
	25	77.0	12.94	2453	14.89	2687	16.54	2829	17.98	2886	12.55	2550	13.94	2576	14.67	2602	16.13	2655	17.53	2795	17.98	2830	18.93	2935	19.88	3023	20.47	3083
	26	78.8	12.79	2480	14.71	2717	16.34	2860	17.76	2918	12.40	2578	13.77	2604	14.50	2631	15.93	2684	17.32	2826	17.76	2861	18.70	2967	19.64	3056	20.23	3117
	27	80.6	12.64	2508	14.53	2747	16.14	2891	17.55	2950	12.25	2607	13.61	2633	14.32	2660	15.74	2714	17.11	2857	17.55	2892	18.48	3000	19.40	3090	19.98	3151
	28	82.4	12.48	2535	14.36	2777	15.95	2923	17.34	2983	12.10	2635	13.44	2662	14.15	2689	15.55	2744	16.90	2888	17.34	2924	18.26	3033	19.17	3124	19.75	3186
	29	84.2	12.33	2563	14.18	2807	15.76	2955	17.13	3015	11.96	2664	13.28	2691	13.98	2719	15.37	2774	16.70	2920	17.13	2956	18.04	3066	18.94	3158	19.51	3221
	30	86.0	12.19	2591	14.01	2838	15.57	2988	16.92	3049	11.81	2694	13.12	2721	13.81	2748	15.18	2805	16.50	2952	16.92	2989	17.82	3100	18.71	3193	19.27	3257

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F -25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
110%	15	59.0	14.14	2188	15.91	2323	17.68	2445	19.64	2574	13.71	2274	15.23	2297	16.03	2320	17.62	2368	19.15	2492	19.64	2523	20.68	2617	21.72	2695	22.37	2749
	16	60.8	13.97	2205	15.72	2341	17.47	2465	19.41	2594	13.54	2292	15.05	2316	15.84	2339	17.41	2387	18.92	2512	19.41	2543	20.44	2638	21.46	2717	22.10	2771
	17	62.6	13.81	2223	15.53	2360	17.26	2484	19.18	2615	13.38	2311	14.87	2334	15.65	2358	17.20	2406	18.70	2533	19.18	2564	20.19	2659	21.20	2739	21.84	2794
	18	64.4	13.64	2241	15.35	2379	17.06	2505	18.95	2636	13.23	2330	14.69	2353	15.47	2377	17.00	2425	18.48	2553	18.95	2585	19.95	2681	20.95	2761	21.58	2816
	19	66.2	13.48	2259	15.17	2398	16.85	2525	18.73	2658	13.07	2348	14.52	2372	15.28	2396	16.80	2445	18.26	2574	18.73	2605	19.72	2702	20.70	2783	21.32	2839
	20	68.0	13.35	2277	15.02	2418	16.69	2545	18.54	2679	12.94	2367	14.38	2391	15.13	2415	16.63	2465	18.08	2594	18.54	2627	19.52	2724	20.50	2806	21.11	2862
	21	69.8	13.19	2302	14.84	2444	16.49	2573	18.32	2708	12.78	2393	14.20	2417	14.95	2442	16.43	2492	17.86	2623	18.32	2655	19.29	2754	20.25	2837	20.86	2893
	22	71.6	13.03	2328	14.66	2471	16.29	2601	18.10	2738	12.63	2420	14.03	2444	14.77	2469	16.23	2519	17.65	2652	18.10	2685	19.06	2784	20.01	2868	20.61	2925
	23	73.4	12.87	2353	14.48	2498	16.09	2630	17.88	2768	12.48	2446	13.87	2471	14.60	2496	16.04	2547	17.43	2681	17.88	2714	18.83	2815	19.77	2899	20.36	2957
	24	75.2	12.72	2379	14.31	2526	15.90	2659	17.67	2799	12.33	2473	13.70	2498	14.42	2523	15.85	2575	17.22	2710	17.67	2744	18.60	2846	19.53	2931	20.12	2990
	25	77.0	12.57	2405	14.14	2554	15.71	2688	17.45	2830	12.18	2500	13.53	2526	14.25	2551	15.66	2603	17.02	2740	17.45	2774	18.38	2877	19.30	2964	19.88	3023
	26	78.8	12.42	2432	13.97	2582	15.52	2718	17.24	2861	12.04	2528	13.37	2553	14.08	2579	15.47	2632	16.81	2770	17.24	2805	18.16	2909	19.07	2996	19.64	3056
	27	80.6	12.27	2458	13.80	2610	15.33	2748	17.04	2892	11.89	2556	13.21	2581	13.91	2608	15.28	2661	16.61	2801	17.04	2836	17.94	2941	18.84	3029	19.40	3090
	28	82.4	12.12	2485	13.63	2639	15.15	2778	16.83	2924	11.75	2584	13.05	2610	13.74	2636	15.10	2690	16.41	2832	16.83	2867	17.73	2973	18.61	3062	19.17	3124
	29	84.2	11.97	2513	13.47	2668	14.97	2808	16.63	2956	11.61	2612	12.90	2639	13.58	2665	14.92	2720	16.22	2863	16.63	2898	17.51	3006	18.39	3096	18.94	3158
	30	86.0	11.83	2540	13.31	2697	14.79	2839	16.43	2989	11.47	2641	12.74	2668	13.41	2695	14.74	2750	16.02	2894	16.43	2930	17.30	3039	18.17	3130	18.71	3193

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F -25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	15	59.0	13.73	2124	15.45	2255	17.16	2374	19.07	2499	13.31	2208	14.79	2230	15.57	2253	17.10	2299	18.59	2420	19.07	2450	20.08	2541	21.08	2617	21.72	2669
	16	60.8	13.57	2141	15.26	2273	16.96	2393	18.84	2519	13.15	2226	14.61	2248	15.38	2271	16.90	2317	18.37	2439	18.84	2469	19.84	2561	20.83	2638	21.46	2691
	17	62.6	13.41	2158	15.08	2292	16.76	2412	18.62	2539	12.99	2244	14.44	2266	15.20	2289	16.70	2336	18.15	2459	18.62	2489	19.61	2582	20.59	2659	21.20	2712
	18	64.4	13.25	2176	14.90	2310	16.56	2432	18.40	2560	12.84	2262	14.27	2285	15.02	2308	16.50	2355	17.94	2479	18.40	2509	19.37	2603	20.34	2681	20.95	2734
	19	66.2	13.09	2193	14.73	2329	16.36	2451	18.18	2580	12.69	2280	14.10	2303	14.84	2326	16.31	2374	17.73	2499	18.18	2530	19.14	2624	20.10	2702	20.70	2756
	20	68.0	12.96	2211	14.58	2347	16.20	2471	18.00	2601	12.56	2298	13.96	2322	14.69	2345	16.15	2393	17.55	2519	18.00	2550	18.95	2645	19.90	2724	20.50	2779
	21	69.8	12.80	2235	14.41	2373	16.01	2498	17.78	2630	12.41	2324	13.79	2347	14.52	2371	15.95	2419	17.34	2546	17.78	2578	18.73	2674	19.66	2754	20.25	2809
	22	71.6	12.65	2260	14.23	2399	15.81	2526	17.57	2659	12.26	2349	13.63	2373	14.34	2397	15.76	2446	17.13	2575	17.57	2606	18.50	2703	19.43	2784	20.01	2840
	23	73.4	12.50	2285	14.06	2426	15.62	2553	17.36	2688	12.12	2375	13.46	2399	14.17	2423	15.57	2473	16.93	2603	17.36	2635	18.28	2733	19.19	2815	19.77	2871
	24	75.2	12.35	2310	13.89	2452	15.44	2581	17.15	2717	11.97	2401	13.30	2425	14.00	2450	15.38	2500	16.72	2631	17.15	2664	18.06	2763	18.96	2846	19.53	2903
	25	77.0	12.20	2335	13.73	2479	15.25	2610	16.95	2747	11.83	2428	13.14	2452	13.83	2477	15.20	2527	16.52	2660	16.95	2693	17.84	2793	18.74	2877	19.30	2935
	26	78.8	12.05	2361	13.56	2507	15.07	2639	16.74	2777	11.68	2454	12.98	2479	13.67	2504	15.02	2555	16.32	2690	16.74	2723	17.63	2824	18.51	2909	19.07	2967
	27	80.6	11.91	2387	13.40	2534	14.89	2668	16.54	2808	11.54	2481	12.83	2506	13.50	2532	14.84	2583	16.13	2719	16.54	2753	17.42	2855	18.29	2941	18.84	3000
	28	82.4	11.77	2413	13.24	2562	14.71	2697	16.34	2839	11.41	2509	12.67	2534	13.34	2559	14.66	2612	15.93	2749	16.34	2783	17.21	2887	18.07	2973	18.61	3033
	29	84.2	11.63	2440	13.08	2590	14.53	2727	16.15	2870	11.27	2536	12.52	2562	13.18	2588	14.48	2640	15.74	2779	16.15	2814	17.00	2918	17.85	3006	18.39	3066
	30	86.0	11.49	2466	12.92	2619	14.36	2757	15.95	2902	11.13	2564	12.37	2590	13.02	2616	14.31	2669	15.55	2810	15.95	2845	16.80	2950	17.64	3039	18.17	3100

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F -25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	15	59.0	13.25	2086	14.90	2214	16.56	2331	18.40	2454	12.84	2168	14.27	2190	15.02	2212	16.51	2257	17.94	2376	18.40	2406	19.38	2495	20.35	2570	20.96	2621
	16	60.8	13.09	2102	14.73	2232	16.36	2350	18.18	2473	12.69	2186	14.10	2208	14.84	2230	16.31	2275	17.73	2395	18.18	2425	19.15	2515	20.10	2590	20.71	2642
	17	62.6	12.94	2119	14.55	2250	16.17	2369	17.97	2493	12.54	2203	13.93	2225	14.67	2248	16.12	2294	17.52	2415	17.97	2444	18.92	2535	19.87	2611	20.46	2664
	18	64.4	12.78	2136	14.38	2268	15.98	2388	17.75	2513	12.39	2221	13.77	2243	14.49	2266	15.93	2312	17.31	2434	17.75	2464	18.70	2556	19.63	2632	20.22	2685
	19	66.2	12.63	2154	14.21	2287	15.79	2407	17.54	2534	12.24	2239	13.60	2262	14.32	2284	15.74	2331	17.11	2454	17.54	2484	18.47	2576	19.40	2654	19.98	2707
	20	68.0	12.51	2171	14.07	2305	15.63	2426	17.37	2554	12.12	2257	13.47	2280	14.18	2303	15.58	2350	16.94	2473	17.37	2504	18.29	2597	19.21	2675	19.78	2729
	21	69.8	12.36	2195	13.90	2331	15.45	2453	17.16	2582	11.98	2282	13.31	2305	14.01	2328	15.39	2376	16.73	2501	17.16	2532	18.07	2626	18.97	2704	19.54	2759
	22	71.6	12.21	2219	13.73	2356	15.26	2480	16.96	2611	11.83	2307	13.15	2330	13.84	2354	15.21	2402	16.53	2528	16.96	2559	17.85	2655	18.75	2734	19.31	2789
	23	73.4	12.06	2243	13.57	2382	15.08	2507	16.75	2639	11.69	2332	12.99	2356	13.67	2380	15.03	2428	16.33	2556	16.75	2588	17.64	2684	18.52	2764	19.08	2820
	24	75.2	11.92	2268	13.41	2408	14.90	2535	16.55	2668	11.55	2358	12.83	2382	13.51	2406	14.85	2455	16.14	2584	16.55	2616	17.43	2713	18.30	2795	18.85	2851
	25	77.0	11.77	2293	13.25	2435	14.72	2563	16.35	2698	11.41	2384	12.68	2408	13.35	2432	14.67	2482	15.94	2613	16.35	2645	17.22	2743	18.08	2825	18.62	2882
	26	78.8	11.63	2318	13.09	2462	14.54	2591	16.16	2727	11.28	2410	12.53	2434	13.19	2459	14.49	2509	15.75	2641	16.16	2674	17.01	2773	17.86	2857	18.40	2914
	27	80.6	11.49	2344	12.93	2489	14.37	2620	15.96	2757	11.14	2437	12.38	2461	13.03	2486	14.32	2537	15.56	2670	15.96	2703	16.81	2804	17.65	2888	18.18	2946
	28	82.4	11.36	2370	12.77	2516	14.19	2648	15.77	2788	11.01	2463	12.23	2488	12.87	2513	14.15	2565	15.38	2700	15.77	2733	16.61	2835	17.44	2920	17.96	2978
	29	84.2	11.22	2396	12.62	2544	14.02	2678	15.58	2818	10.87	2490	12.08	2516	12.72	2541	13.98	2593	15.19	2729	15.58	2763	16.41	2866	17.23	2952	17.74	3011
	30	86.0	11.08	2422	12.47	2572	13.86	2707	15.39	2849	10.74	2518	11.94	2543	12.57	2569	13.81	2621	15.01	2759	15.39	2794	16.21	2897	17.02	2984	17.53	3044
80%	15	59.0	12.85	2065	14.46	2192	16.06	2308	17.85	2429	12.46	2146	13.84	2168	14.57	2190	16.01	2235	17.40	2352	17.85	2381	18.80	2470	19.73	2544	20.33	2595
	16	60.8	12.70	2081	14.29	2210	15.87	2326	17.64	2449	12.31	2164	13.68	2186	14.40	2208	15.82	2253	17.20	2371	17.64	2401	18.57	2490	19.50	2565	20.09	2616
	17	62.6	12.55	2098	14.12	2228	15.69	2345	17.43	2468	12.16	2181	13.51	2203	14.23	2225	15.63	2271	16.99	2390	17.43	2420	18.35	2510	19.27	2585	19.85	2637
	18	64.4	12.40	2115	13.95	2246	15.50	2364	17.22	2488	12.02	2199	13.35	2221	14.06	2243	15.45	2289	16.79	2410	17.22	2440	18.13	2530	19.04	2606	19.61	2658
	19	66.2	12.25	2132	13.78	2264	15.32	2383	17.02	2508	11.88	2217	13.20	2239	13.89	2262	15.26	2308	16.59	2429	17.02	2459	17.92	2551	18.82	2627	19.38	2680
	20	68.0	12.13	2149	13.65	2282	15.16	2402	16.85	2529	11.76	2234	13.07	2257	13.75	2280	15.11	2326	16.43	2449	16.85	2479	17.74	2571	18.63	2648	19.19	2701
	21	69.8	11.99	2173	13.48	2307	14.98	2429	16.65	2556	11.62	2259	12.91	2282	13.59	2305	14.93	2352	16.23	2476	16.65	2506	17.53	2599	18.41	2677	18.96	2731
	22	71.6	11.84	2197	13.32	2333	14.80	2455	16.45	2585	11.48	2284	12.75	2307	13.43	2330	14.75	2378	16.04	2503	16.45	2534	17.32	2628	18.18	2707	18.73	2761
	23	73.4	11.70	2221	13.16	2358	14.62	2482	16.25	2613	11.34	2309	12.60	2332	13.26	2356	14.58	2404	15.84	2530	16.25	2562	17.11	2657	17.97	2737	18.51	2791
	24	75.2	11.56	2245	13.00	2384	14.45	2510	16.05	2642	11.20	2334	12.45	2358	13.10	2382	14.40	2430	15.65	2558	16.05	2590	16.91	2686	17.75	2767	18.28	2822
	25	77.0	11.42	2270	12.85	2410	14.28	2537	15.86	2671	11.07	2360	12.30	2384	12.95	2408	14.23	2457	15.47	2586	15.86	2618	16.70	2716	17.54	2797	18.06	2853
	26	78.8	11.28	2295	12.69	2437	14.10	2565	15.67	2700	10.94	2386	12.15	2410	12.79	2434	14.06	2484	15.28	2615	15.67	2647	16.50	2746	17.33	2828	17.85	2885
	27	80.6	11.15	2320	12.54	2464	13.94	2593	15.48	2730	10.81	2412	12.01	2437	12.64	2461	13.89	2511	15.10	2644	15.48	2676	16.30	2776	17.12	2859	17.63	2916
	28	82.4	11.01	2346	12.39	2491	13.77	2622	15.30	2760	10.68	2439	11.86	2463	12.49	2488	13.72	2539	14.92	2673	15.30	2706	16.11	2806	16.91	2891	17.42	2948
	29	84.2	10.88	2372	12.24	2518	13.60	2651	15.11	2790	10.55	2466	11.72	2490	12.34	2516	13.56	2567	14.74	2702	15.11	2736	15.92	2837	16.71	2922	17.21	2981
	30	86.0	10.75	2398	12.10	2546	13.44	2680	14.93	2821	10.42	2493	11.58	2518	12.19	2543	13.39	2595	14.56	2732	14.93	2766	15.72	2868	16.51	2954	17.01	3014

5. CAPACITIES AND SELECTION DATA

24K(Up to 3 indoor units series)

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
130%	21	69,8	18	64,4	27,71	16,90	0,61	2129	27,43	16,73	0,61	2148	27,13	16,55	0,61	2168	26,78	16,34	0,61	2186	26,52	16,18	0,61	2197	26,23	16,00	0,61	2269	25,87	15,78	0,61	2369	25,41	15,50	0,61	2529	24,82	15,14	0,61	2646
	21	69,8	20	68,0	28,85	14,14	0,49	2152	28,56	14,00	0,49	2172	28,25	13,84	0,49	2192	27,89	13,67	0,49	2209	27,61	13,53	0,49	2220	27,31	13,38	0,49	2293	26,94	13,20	0,49	2393	26,46	12,96	0,49	2553	25,84	12,66	0,49	2670
	22	71,6	18	64,4	28,56	18,57	0,65	2150	28,28	18,38	0,65	2170	27,97	18,18	0,65	2190	27,61	17,95	0,65	2208	27,34	17,77	0,65	2219	27,04	17,58	0,65	2292	26,67	17,33	0,65	2393	26,20	17,03	0,65	2555	25,58	16,63	0,65	2673
	22	71,6	20	68,0	29,44	15,60	0,53	2174	29,15	15,45	0,53	2194	28,83	15,28	0,53	2214	28,46	15,08	0,53	2231	28,18	14,93	0,53	2243	27,87	14,77	0,53	2316	27,49	14,57	0,53	2417	27,00	14,31	0,53	2579	26,37	13,97	0,53	2697
	22	71,6	22	71,6	29,94	12,27	0,41	2190	29,64	12,15	0,41	2210	29,32	12,02	0,41	2230	28,94	11,87	0,41	2248	28,66	11,75	0,41	2259	28,34	11,62	0,41	2332	27,95	11,46	0,41	2433	27,46	11,26	0,41	2595	26,81	10,99	0,41	2713
	23	73,4	18	64,4	29,15	20,11	0,69	2172	28,86	19,91	0,69	2192	28,54	19,69	0,69	2212	28,18	19,44	0,69	2230	27,90	19,25	0,69	2241	27,59	19,04	0,69	2316	27,21	18,78	0,69	2418	26,73	18,44	0,69	2581	26,11	18,01	0,69	2700
	23	73,4	20	68,0	30,04	17,12	0,57	2196	29,74	16,95	0,57	2216	29,42	16,77	0,57	2236	29,04	16,55	0,57	2254	28,75	16,39	0,57	2265	28,44	16,21	0,57	2340	28,05	15,99	0,57	2442	27,55	15,70	0,57	2605	26,90	15,34	0,57	2724
	23	73,4	22	71,6	30,55	13,75	0,45	2213	30,25	13,61	0,45	2232	29,92	13,46	0,45	2252	29,53	13,29	0,45	2270	29,24	13,16	0,45	2282	28,92	13,01	0,45	2356	28,52	12,84	0,45	2458	28,02	12,61	0,45	2621	27,36	12,31	0,45	2740
	24	75,2	18	64,4	29,74	21,71	0,73	2194	29,45	21,50	0,73	2214	29,13	21,26	0,73	2234	28,75	20,99	0,73	2252	28,47	20,78	0,73	2264	28,16	20,55	0,73	2339	27,77	20,27	0,73	2442	27,28	19,91	0,73	2607	26,64	19,45	0,73	2727
	24	75,2	20	68,0	30,65	18,70	0,61	2218	30,35	18,51	0,61	2238	30,02	18,31	0,61	2259	29,63	18,08	0,61	2277	29,34	17,90	0,61	2288	29,02	17,70	0,61	2363	28,62	17,46	0,61	2466	28,11	17,15	0,61	2631	27,45	16,75	0,61	2751
	24	75,2	22	71,6	31,17	15,27	0,49	2235	30,86	15,12	0,49	2255	30,53	14,96	0,49	2275	30,14	14,77	0,49	2293	29,84	14,62	0,49	2305	29,51	14,46	0,49	2380	29,10	14,26	0,49	2483	28,59	14,01	0,49	2648	27,92	13,68	0,49	2768
	24	75,2	24	75,2	31,61	11,69	0,37	2254	31,30	11,58	0,37	2274	30,95	11,45	0,37	2294	30,56	11,31	0,37	2313	30,25	11,19	0,37	2324	29,93	11,07	0,37	2399	29,51	10,92	0,37	2502	28,99	10,73	0,37	2667	28,31	10,48	0,37	2787
	25	77,0	18	64,4	30,66	23,61	0,77	2216	30,36	23,37	0,77	2237	30,03	23,12	0,77	2257	29,64	22,82	0,77	2275	29,35	22,60	0,77	2287	29,03	22,35	0,77	2363	28,63	22,04	0,77	2467	28,12	21,65	0,77	2633	27,46	21,15	0,77	2755
	25	77,0	20	68,0	31,60	20,54	0,65	2241	31,29	20,34	0,65	2261	30,95	20,11	0,65	2281	30,55	19,86	0,65	2300	30,25	19,66	0,65	2311	29,92	19,45	0,65	2387	29,50	19,18	0,65	2491	28,98	18,84	0,65	2658	28,30	18,40	0,65	2779
	25	77,0	22	71,6	32,14	17,03	0,53	2257	31,82	16,86	0,53	2278	31,47	16,68	0,53	2298	31,07	16,47	0,53	2316	30,76	16,30	0,53	2328	30,43	16,13	0,53	2404	30,01	15,90	0,53	2508	29,47	15,62	0,53	2674	28,78	15,26	0,53	2796
	25	77,0	24	75,2	32,59	13,36	0,41	2277	32,26	13,23	0,41	2297	31,91	13,08	0,41	2318	31,50	12,92	0,41	2336	31,19	12,79	0,41	2347	30,85	12,65	0,41	2423	30,43	12,47	0,41	2527	29,89	12,25	0,41	2694	29,19	11,97	0,41	2815
	26	78,8	18	64,4	31,61	25,60	0,81	2239	31,30	25,35	0,81	2259	30,95	25,07	0,81	2280	30,56	24,75	0,81	2298	30,25	24,51	0,81	2310	29,93	24,24	0,81	2386	29,51	23,91	0,81	2492	28,99	23,48	0,81	2660	28,31	22,93	0,81	2783
	26	78,8	20	68,0	32,58	22,48	0,69	2263	32,25	22,25	0,69	2284	31,90	22,01	0,69	2304	31,49	21,73	0,69	2323	31,18	21,51	0,69	2335	30,84	21,28	0,69	2411	30,42	20,99	0,69	2516	29,88	20,62	0,69	2684	29,18	20,13	0,69	2807
	26	78,8	22	71,6	33,13	18,88	0,57	2280	32,80	18,70	0,57	2301	32,44	18,49	0,57	2321	32,03	18,26	0,57	2340	31,71	18,08	0,57	2351	31,37	17,88	0,57	2428	30,93	17,63	0,57	2533	30,39	17,32	0,57	2701	29,67	16,91	0,57	2824
	26	78,8	24	75,2	33,59	15,12	0,45	2300	33,26	14,97	0,45	2320	32,90	14,80	0,45	2341	32,48	14,61	0,45	2360	32,16	14,47	0,45	2371	31,81	14,31	0,45	2448	31,37	14,11	0,45	2553	30,81	13,87	0,45	2721	30,09	13,54	0,45	2844
	26	78,8	26	78,8	34,13	11,26	0,33	2323	33,79	11,15	0,33	2343	33,43	11,03	0,33	2364	33,00	10,89	0,33	2382	32,67	10,78	0,33	2394	32,31	10,66	0,33	2471	31,87	10,52	0,33	2576	31,30	10,33	0,33	2744	30,57	10,09	0,33	2867
	27	80,6	18	64,4	32,25	27,42	0,85	2261	31,93	27,14	0,85	2282	31,59	26,85	0,85	2303	31,18	26,50	0,85	2321	30,87	26,24	0,85	2333	30,54	25,96	0,85	2411	30,11	25,60	0,85	2517	29,58	25,15	0,85	2687	28,89	24,56	0,85	2811
	27	80,6	19	66,2	32,91	26,00	0,79	2271	32,59	25,74	0,79	2292	32,23	25,46	0,79	2313	31,82	25,14	0,79	2331	31,50	24,89	0,79	2343	31,16	24,62	0,79	2421	30,73	24,28	0,79	2527	30,19	23,85	0,79	2697	29,48	23,29	0,79	2821
	27	80,6	20	68,0	33,24	24,27	0,73	2286	32,91	24,03	0,73	2307	32,55	23,76	0,73	2328	32,14	23,46	0,73	2346	31,82	23,23	0,73	2358	31,47	22,97	0,73	2436	31,04	22,66	0,73	2542	30,49	22,26	0,73	2712	29,77	21,73	0,73	2836
	27	80,6	22	71,6	33,81	20,62	0,61	2303	33,47	20,42	0,61	2324	33,11	20,20	0,61	2345	32,68	19,94	0,61	2363	32,36	19,74	0,61	2375	32,01	19,52	0,61	2453	31,56	19,25	0,61	2559	31,01	18,91	0,61	2729	30,28	18,47	0,61	2853
	27	80,6	24	75,2	34,28	16,80	0,49	2323	33,94	16,63	0,49	2344	33,57	16,45	0,49	2365	33,14	16,24	0,49	2383	32,81	16,08	0,49	2395	32,45	15,90	0,49	2473	32,01	15,68	0,49	2579	31,44	15,41	0,49	2749	30,70	15,04	0,49	2873
	27	80,6	26	78,8	34,83	12,89	0,37	2346	34,48	12,76	0,37	2367	34,11	12,62	0,37	2388	33,67	12,46	0,37	2406	33,34	12,33	0,37	2418	32,97	12,20	0,37	2496	32,52	12,03	0,37	2602	31,94	11,82	0,37	2772	31,19	11,54	0,37	2896
	28	82,4	18	64,4	32,58	28,99	0,89	2284	32,25	28,71	0,89	2305	31,90	28,39	0,89	2326	31,49	28,03	0,89	2345	31,18	27,75	0,89	2356	30,84	27,45	0,89	2435	30,42	27,07	0,89	2542	29,88	26,59	0,89	2713	29,18	25,97	0,89	2839
	28	82,4	20	68,0	33,24	25,60	0,77	2309	32,91	25,34	0,77	2330	32,55	25,07	0,77	2351	32,14	24,74	0,77	2370	31,82	24,50	0,77	2382	31,47	24,23	0,77	2460	31,04	23,90	0,77	2567	30,49	23,48	0,77	2739	29,77	22,93	0,77	2864
	28	82,4	22	71,6	33,57	21,82	0,65	2326	33,24	21,61	0,65	2347	32,88	21,37	0,65	2368	32,46	21,10	0,65	2387	32,14	20,89	0,65	2399	31,79	20,66	0,65	2477	31,35	20,38	0,65	2584	30,79	20,02	0,65	2756	30,07	19,55	0,65	2881
	28	82,4	24	75,2	34,14	18,10	0,53	2347	33,81	17,92	0,53	2367	33,44	17,72	0,53	2388	33,01	17,49	0,53	2407	32,68	17,32	0,53	2419	32,33	17,13	0,53	2497	31,88	16,90	0,53	2604	31,32	16,60	0,53	2776	30,58	16,21	0,53	2901
	28	82,4	26	78,8	34,62	14,19	0,41	2370	34,28	14,05	0,41	2391	33,91	13,90	0,41	2412	33,47	13,72	0,41	2430	33,14	13,59	0,41	2442	32,78	13,44	0,41	2521	32,33	13,25	0,41	2628	31,75	13,02	0,41	2799	31,01	12,71	0,41	2925
	29	84,2	18	64,4	32,90	29,94	0,91	2307	32,58	29,64	0,91	2328	32,22	29,32	0,91	2349	31,81	28,95	0,91	2368	31,49	28,66	0,91	2380	31,15	28,35	0,91	2459	30,72	27,96	0,91	2567	30,18	27,46	0,91	2741	29,47	26,82	0,91	2867
	29	84,2	20	68,0	33,57	27,19	0,81	2332	33,24	26,92	0,81	2353	32,88	26,63	0,81	2375	32,46	26,29	0,81	2394	32,14	26,03	0,81	2405	31,79	25,75	0,81	2485	31,35	25,39	0,81	2593	30,79	24,94	0,81	2766	30,07	24,36	0,81	2893
	29	84,2	22	71,6	34,24	23,63	0,69	2350	33,91	23,39	0,69	2371	33,54	23,14	0,69	2392	33,11	22,84	0,69	2411	32,78	22,62	0,69	2423	32,42	22,37	0,69	2502	31,97	22,06	0,69	2610	31,41	21,67	0,69	2783	30,67	21,16	0,69	2910
	29	84,2	24	75,2	34,49	19,66	0,57	2370	34,14	19,46	0,57	2391	33,77	19,25	0,57	2412	33,34	19,00	0,57	2431	33,01	18,81	0,57	2443	32,65	18,61	0,57	2522	32,20	18,35	0,57	2631	31,63	18,03	0,57	2804	30,89	17,61	0,57	2930
	29	84,2	26	78,8	34,97	15,74	0,45	2393	34,62	15,58	0,45	2414	34,25	15,41	0,45	2436	33,81	15,21	0,45	2455	33,47	15,06	0,45	2467	33,11	14,90	0,45	2546	32,65	14,69	0,45	2654	32,07	14,43	0,45	2827	31,32	14,09	0,45	2954
	30	86,0	18	64,4	33,23	30,24	0,91	2330	32,90	29,94	0,91	2351	32,54	29,61	0,91	2373	32,13	29,23	0,91	2392	31,81	28,95	0,91	2404	31,46	28,63	0,91	2484	31,03	28,23	0,91	2593	30,48	27,74	0,91	2768	29,76	27,09	0,91	2896
	30	86,0	20	68,0	33,91	28,82	0,85	2356	33,57	28,54	0,85	2377	33,21	28,23	0,85	2398	32,78	27,86	0,85	2417	32,46	27,59	0,85	2430	32,10	27,29	0,85	2509	31,66	26,91	0,85	2619	31,10	26,44	0,85	2794	30,37	25,82	0,85	2922
	30	86,0	22	71,6	34,59	25,25	0,73	2373	34,24	25,00	0,73	2394	33,87	24,73	0,73	2416	33,44	24,41	0,73	2435	33,11	24,17	0,73	2447	32,75	23,90	0,73	2527	32,29	23,57	0,73	2636	31,72	23,16	0,73	2811	30,98	22,61	0,73	2939
	30	86,0	24	75,2	34,83	21,25	0,61	2394	34,49	21,04	0,61	2415	34,11	20,81	0,61	2436	33,67	20,54	0,61	2456	33,34	20,34	0,61	2468	32,98	20,12	0,61	2547	32,52	19,84	0,61	2657	31,95	19,49	0,61	2832	31,20	19,03	0,61	2960
	30	86,0	26	78,8	35,32	17,31	0,49	2417	34,97	17,13	0,49	2439	34,59	16,95	0,49	2460	34,14	16,73	0,49	2479	33,81	16,56	0,49	2491	33,44	16,38	0,49	2571	32,98	16,16	0,49	2681	32,39	15,87	0,49	2856	31,63	15,50	0,49	2983
	31	87,8	18	64,4	33,56	30,54	0,91	2353	33,23	30,24	0,91	2375	32,87	29,91	0,91	2396	32,45	29,53	0,91	2416	32,13	29,23	0,91	2428	31,78	28,92	0,91	2508	31,34	28,52	0,91	2619	30,78	28,01	0,91	2796	30,06	27,36	0,91	2925
	31	87,8	20	68,0	34,25	30,48	0,89	2379	33,91	30,18	0,89	2401	33,54	29,85	0,89	2422	33,11	29,47	0,89	2442	32,78	29,18	0,89	2454	32,42	28,86	0,89	2534	31,98	28,46	0,89	2645	31,41	27,96	0,89	2822	30,68	27,30	0,89	2951
	31	87,8	22	71,6	34,93	26,90	0,77	2397	34,59	26,63	0,77	2418	34,21	26,34	0,77	2440	33,77	26,00	0,77	2459	33,44	25,75	0,77	2472	33,07	25,47	0,77	2552	32,62	25,11	0,77	2663	32,04	24,67	0,77	2839	31,29	24,09	0,77	2968
	31	87,8	24	75,2	35,18	22,87	0,65	2418	34,83	22,64	0,65	2439	34,45	22,39	0,65	2461	34,01	22,11	0,65	2480	33,67	21,89	0,65	2492	33,31	21,65	0,65	2573	32,85	21,35	0,65	2683	32,27	20,97	0,65	2860	31,51	20,48	0,65	2989
	31	87,8	26	78,8	35,67	18,91	0,53	2442	35,32	18,72	0,53	2463	34,93	18,51	0,53	2485	34,49	18,28	0,53	2504	34,14	18,10	0,53	2516	33,77	17,90	0,53	2597	33,31	17,65	0,53	2707	32,72	17,34	0,53	2884	31,95	16,93	0,53	3013
	32	89,6	18	64,4	33,90	30,85	0,91	2377	33,56	30,54	0,91	2398	33,20	30,21	0,91	2420	32,77	29,82	0,91	2440	32,45	29,53	0,91	2452	32,09	29,21	0,91	2534	31,65	28,80	0,91	2645	31,09	28,29	0,91	2824	30,36	27,63	0,91	2954
	32	89,6	20	68,0	34,59	31,48	0,91	2403	34,25	31,17	0,91	2425	33,88	30,83	0,91	2446	33,44	30,43	0,91	2466	33,11	30,13	0,91	2478	32,75	29,80	0,91	2560	32,30	29,39	0,91	2671	31,73	28,87	0,91	2850	30,98	28,19	0,91	2980
	32	89,6	22	71,6	35,28	28,58	0,81	2421	34,93	28,30	0,81	2442	34,55	27,99	0,81	2464	34,11	27,63	0,81	2484	33,77	27,35	0,81	2496	33,40	27,06	0,81	2578	32,94	26,68	0,81	2689	32,36	26,21	0,81	2868	31,60	25,60	0,81	2998
	32	89,6	24	75,2	35,53	24,52	0,69	2442	35,18	24,27	0,69	2463	34,80	24,01	0,69	2485	34,35	23,70	0,69	2505	34,01	23,47	0,69	2517	33,64	23,21	0,69	2599	33,17	22,89	0,69	2710	32,59	22,49	0,69	2889	31,82	21,96	0,69	3019
	32	89,6	26	78,8	36,03	20,54	0,57	2466	35,67	20,33	0,57	2488	35,28	20,11	0,57	2510	34,83	19,85	0,57	2529	34,49	19,66	0,57	2541	34,11	19,44	0,57	2623	33,64	19,17	0,57	2734	33,04	18,84	0,57	2913	32,27	18,39	0,57	3043

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																									
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
130%	21	69.8	18	64.4	24.09	14.70	0.61	2745	22.17	13.52	0.61	2883	21.94	13.39	0.61	2912	18.10	11.04	0.61	3023	17.56	10.71	0.61	3044	15.63	9.53	0.61	3105	15.00	9.15	0.61	3136	14.25	8.69	0.61	3199
	21	69.8	20	68.0	25.09	12.29	0.49	2769	23.08	11.31	0.49	2907	22.85	11.20	0.49	2936	18.85	9.24	0.49	3047	18.28	8.96	0.49	3068	16.27	7.97	0.49	3129	15.62	7.65	0.49	3160	14.84	7.27	0.49	3223
	22	71.6	18	64.4	24.84	16.14	0.65	2773	22.85	14.85	0.65	2912	22.62	14.70	0.65	2941	18.66	12.13	0.65	3054	18.10	11.77	0.65	3075	16.11	10.47	0.65	3137	15.47	10.05	0.65	3168	14.69	9.55	0.65	3232
	22	71.6	20	68.0	25.60	13.57	0.53	2797	23.55	12.48	0.53	2936	23.32	12.36	0.53	2965	19.23	10.19	0.53	3077	18.66	9.89	0.53	3099	16.61	8.80	0.53	3160	15.94	8.45	0.53	3192	15.14	8.03	0.53	3255
	22	71.6	22	71.6	26.03	10.67	0.41	2813	23.95	9.82	0.41	2952	23.71	9.72	0.41	2981	19.56	8.02	0.41	3094	18.98	7.78	0.41	3115	16.89	6.92	0.41	3177	16.21	6.65	0.41	3208	15.40	6.31	0.41	3272
	23	73.4	18	64.4	25.34	17.49	0.69	2801	23.32	16.09	0.69	2942	23.08	15.93	0.69	2971	19.04	13.14	0.69	3084	18.47	12.75	0.69	3106	16.44	11.34	0.69	3168	15.78	10.89	0.69	3200	14.99	10.35	0.69	3264
	23	73.4	20	68.0	26.12	14.89	0.57	2825	24.03	13.70	0.57	2966	23.79	13.56	0.57	2995	19.63	11.19	0.57	3108	19.04	10.85	0.57	3130	16.94	9.66	0.57	3192	16.27	9.27	0.57	3224	15.45	8.81	0.57	3288
	23	73.4	22	71.6	26.56	11.95	0.45	2841	24.44	11.00	0.45	2982	24.20	10.89	0.45	3011	19.96	8.98	0.45	3125	19.36	8.71	0.45	3146	17.23	7.75	0.45	3209	16.54	7.44	0.45	3241	15.72	7.07	0.45	3305
	24	75.2	18	64.4	25.86	18.88	0.73	2829	23.79	17.37	0.73	2971	23.56	17.20	0.73	3001	19.43	14.19	0.73	3116	18.85	13.76	0.73	3137	16.78	12.25	0.73	3200	16.11	11.76	0.73	3232	15.30	11.17	0.73	3297
	24	75.2	20	68.0	26.65	16.26	0.61	2854	24.52	14.96	0.61	2996	24.28	14.81	0.61	3025	20.03	12.22	0.61	3140	19.43	11.85	0.61	3162	17.29	10.55	0.61	3225	16.60	10.13	0.61	3257	15.77	9.62	0.61	3322
	24	75.2	22	71.6	27.11	13.28	0.49	2870	24.94	12.22	0.49	3012	24.69	12.10	0.49	3042	20.37	9.98	0.49	3156	19.76	9.68	0.49	3178	17.58	8.62	0.49	3241	16.88	8.27	0.49	3273	16.04	7.86	0.49	3338
	24	75.2	24	75.2	27.49	10.17	0.37	2890	25.29	9.36	0.37	3032	25.03	9.26	0.37	3061	20.65	7.64	0.37	3176	20.03	7.41	0.37	3198	17.83	6.60	0.37	3261	17.12	6.33	0.37	3293	16.26	6.02	0.37	3357
	25	77.0	18	64.4	26.66	20.53	0.77	2858	24.53	18.89	0.77	3001	24.28	18.70	0.77	3031	20.03	15.43	0.77	3147	19.43	14.96	0.77	3169	17.30	13.32	0.77	3233	16.60	12.78	0.77	3265	15.77	12.15	0.77	3331
	25	77.0	20	68.0	27.48	17.86	0.65	2882	25.28	16.43	0.65	3026	25.03	16.27	0.65	3056	20.65	13.42	0.65	3172	20.03	13.02	0.65	3194	17.82	11.59	0.65	3257	17.11	11.12	0.65	3290	16.26	10.57	0.65	3355
	25	77.0	22	71.6	27.95	14.81	0.53	2899	25.71	13.63	0.53	3043	25.45	13.49	0.53	3073	21.00	11.13	0.53	3188	20.37	10.80	0.53	3210	18.13	9.61	0.53	3274	17.40	9.22	0.53	3306	16.53	8.76	0.53	3372
	25	77.0	24	75.2	28.34	11.62	0.41	2919	26.07	10.69	0.41	3062	25.81	10.58	0.41	3092	21.29	8.73	0.41	3208	20.65	8.47	0.41	3230	18.38	7.54	0.41	3293	17.65	7.24	0.41	3326	16.76	6.87	0.41	3391
	26	78.8	18	64.4	27.49	22.26	0.81	2887	25.29	20.48	0.81	3032	25.03	20.28	0.81	3062	20.65	16.73	0.81	3179	20.03	16.23	0.81	3201	17.83	14.44	0.81	3265	17.12	13.86	0.81	3298	16.26	13.17	0.81	3364
	26	78.8	20	68.0	28.33	19.55	0.69	2912	26.06	17.98	0.69	3056	25.80	17.80	0.69	3087	21.29	14.69	0.69	3204	20.65	14.25	0.69	3226	18.38	12.68	0.69	3290	17.64	12.17	0.69	3323	16.76	11.56	0.69	3389
	26	78.8	22	71.6	28.81	16.42	0.57	2928	26.50	15.11	0.57	3073	26.24	14.96	0.57	3104	21.65	12.34	0.57	3220	21.00	11.97	0.57	3243	18.69	10.65	0.57	3307	17.94	10.23	0.57	3340	17.04	9.72	0.57	3406
	26	78.8	24	75.2	29.21	13.15	0.45	2948	26.88	12.09	0.45	3093	26.61	11.97	0.45	3123	21.95	9.88	0.45	3240	21.29	9.58	0.45	3263	18.95	8.53	0.45	3327	18.19	8.19	0.45	3360	17.28	7.78	0.45	3426
	26	78.8	26	78.8	29.68	9.79	0.33	2971	27.31	9.01	0.33	3116	27.03	8.92	0.33	3146	22.30	7.36	0.33	3263	21.63	7.14	0.33	3285	19.25	6.35	0.33	3350	18.48	6.10	0.33	3382	17.56	5.79	0.33	3448
	27	80.6	18	64.4	28.05	23.84	0.85	2916	25.80	21.93	0.85	3062	25.55	21.71	0.85	3093	21.08	17.91	0.85	3211	20.44	17.38	0.85	3233	18.19	15.47	0.85	3298	17.47	14.85	0.85	3331	16.59	14.10	0.85	3398
	27	80.6	19	66.2	28.62	22.61	0.79	2926	26.33	20.80	0.79	3072	26.07	20.59	0.79	3103	21.51	16.99	0.79	3221	20.86	16.48	0.79	3243	18.57	14.67	0.79	3308	17.82	14.08	0.79	3341	16.93	13.38	0.79	3408
	27	80.6	20	68.0	28.91	21.10	0.73	2941	26.59	19.41	0.73	3087	26.33	19.22	0.73	3118	21.72	15.86	0.73	3236	21.07	15.38	0.73	3258	18.75	13.69	0.73	3323	18.00	13.14	0.73	3356	17.10	12.48	0.73	3423
	27	80.6	22	71.6	29.40	17.93	0.61	2958	27.05	16.50	0.61	3104	26.78	16.33	0.61	3135	22.09	13.47	0.61	3253	21.43	13.07	0.61	3275	19.07	11.63	0.61	3340	18.31	11.17	0.61	3373	17.39	10.61	0.61	3440
	27	80.6	24	75.2	29.81	14.61	0.49	2978	27.42	13.44	0.49	3124	27.15	13.30	0.49	3155	22.40	10.98	0.49	3273	21.73	10.65	0.49	3295	19.34	9.48	0.49	3360	18.56	9.10	0.49	3393	17.64	8.64	0.49	3460
	27	80.6	26	78.8	30.29	11.21	0.37	3001	27.86	10.31	0.37	3147	27.58	10.21	0.37	3178	22.76	8.42	0.37	3296	22.07	8.17	0.37	3318	19.65	7.27	0.37	3383	18.86	6.98	0.37	3416	17.92	6.63	0.37	3483
	28	82.4	18	64.4	28.33	25.21	0.89	2945	26.06	23.20	0.89	3093	25.80	22.96	0.89	3124	21.29	18.94	0.89	3243	20.65	18.38	0.89	3266	18.38	16.35	0.89	3331	17.64	15.70	0.89	3365	16.76	14.92	0.89	3432
	28	82.4	20	68.0	28.91	22.26	0.77	2970	26.59	20.48	0.77	3118	26.33	20.27	0.77	3149	21.72	16.72	0.77	3268	21.07	16.22	0.77	3291	18.75	14.44	0.77	3357	18.00	13.86	0.77	3390	17.10	13.17	0.77	3457
	28	82.4	22	71.6	29.20	18.98	0.65	2988	26.86	17.46	0.65	3135	26.59	17.28	0.65	3166	21.94	14.26	0.65	3285	21.28	13.83	0.65	3308	18.94	12.31	0.65	3374	18.18	11.82	0.65	3407	17.27	11.23	0.65	3475
	28	82.4	24	75.2	29.69	15.74	0.53	3008	27.32	14.48	0.53	3156	27.04	14.33	0.53	3187	22.31	11.82	0.53	3306	21.64	11.47	0.53	3328	19.26	10.21	0.53	3394	18.49	9.80	0.53	3427	17.57	9.31	0.53	3495
	28	82.4	26	78.8	30.11	12.34	0.41	3031	27.70	11.36	0.41	3179	27.42	11.24	0.41	3210	22.62	9.28	0.41	3329	21.94	9.00	0.41	3352	19.53	8.01	0.41	3417	18.75	7.69	0.41	3451	17.81	7.30	0.41	3518
	29	84.2	18	64.4	28.61	26.04	0.91	2975	26.32	23.95	0.91	3124	26.06	23.71	0.91	3155	21.50	19.56	0.91	3275	20.85	18.98	0.91	3298	18.56	16.89	0.91	3365	17.82	16.21	0.91	3398	16.93	15.40	0.91	3467
	29	84.2	20	68.0	29.20	23.65	0.81	3000	26.86	21.76	0.81	3149	26.59	21.54	0.81	3181	21.94	17.77	0.81	3301	21.28	17.24	0.81	3324	18.94	15.34	0.81	3390	18.18	14.73	0.81	3424	17.27	13.99	0.81	3492
	29	84.2	22	71.6	29.78	20.55	0.69	3017	27.40	18.90	0.69	3167	27.12	18.71	0.69	3198	22.38	15.44	0.69	3318	21.71	14.98	0.69	3341	19.32	13.33	0.69	3407	18.54	12.80	0.69	3441	17.62	12.16	0.69	3509
	29	84.2	24	75.2	29.99	17.09	0.57	3038	27.59	15.73	0.57	3187	27.31	15.57	0.57	3218	22.53	12.84	0.57	3339	21.86	12.46	0.57	3362	19.45	11.09	0.57	3428	18.68	10.64	0.57	3462	17.74	10.11	0.57	3530
	29	84.2	26	78.8	30.41	13.68	0.45	3061	27.98	12.59	0.45	3211	27.70	12.46	0.45	3242	22.85	10.28	0.45	3362	22.16	9.97	0.45	3385	19.73	8.88	0.45	3451	18.94	8.52	0.45	3485	17.99	8.10	0.45	3553
	30	86.0	18	64.4	28.90	26.30	0.91	3004	26.59	24.19	0.91	3155	26.32	23.95	0.91	3187	21.71	19.76	0.91	3308	21.06	19.17	0.91	3331	18.75	17.06	0.91	3398	18.00	16.38	0.91	3432	17.10	15.56	0.91	3501
	30	86.0	20	68.0	29.49	25.06	0.85	3030	27.13	23.06	0.85	3181	26.86	22.83	0.85	3213	22.16	18.83	0.85	3334	21.49	18.27	0.85	3357	19.13	16.26	0.85	3424	18.36	15.61	0.85	3458	17.44	14.83	0.85	3527
	30	86.0	22	71.6	30.08	21.96	0.73	3048	27.67	20.20	0.73	3198	27.39	20.00	0.73	3230	22.60	16.50	0.73	3352	21.92	16.00	0.73	3375	19.51	14.24	0.73	3442	18.73	13.67	0.73	3476	17.79	12.99	0.73	3545
	30	86.0	24	75.2	30.29	18.48	0.61	3068	27.87	17.00	0.61	3219	27.59	16.83	0.61	3251	22.76	13.88	0.61	3372	22.08	13.47	0.61	3395	19.65	11.99	0.61	3462	18.86	11.51	0.61	3496	17.92	10.93	0.61	3565
	30	86.0	26	78.8	30.71	15.05	0.49	3092	28.26	13.85	0.49	3243	27.97	13.71	0.49	3274	23.08	11.31	0.49	3396	22.39	10.97	0.49	3419	19.92	9.76	0.49	3486	19.13	9.37	0.49	3520	18.17	8.90	0.49	3589
	31	87.8	18	64.4	29.19	26.56	0.91	3034	26.85	24.43	0.91	3187	26.58	24.19	0.91	3219	21.93	19.96	0.91	3341	21.27	19.36	0.91	3365	18.93	17.23	0.91	3432	18.18	16.54	0.91	3467	17.27	15.71	0.91	3536
	31	87.8	20	68.0	29.78	26.51	0.89	3060	27.40	24.39	0.89	3213	27.13	24.14	0.89	3245	22.38	19.92	0.89	3367	21.71	19.32	0.89	3391	19.32	17.19	0.89	3458	18.55	16.51	0.89	3493	17.62	15.68	0.89	3562
	31	87.8	22	71.6	30.38	23.39	0.77	3078	27.95	21.52	0.77	3230	27.67	21.30	0.77	3262	22.83	17.58	0.77	3385	22.14	17.05	0.77	3408	19.71	15.17	0.77	3476	18.92	14.57	0.77	3510	17.97	13.84	0.77	3580
	31	87.8	24	75.2	30.59	19.88	0.65	3099	28.14	18.29	0.65	3251	27.86	18.11	0.65	3283	22.99	14.94	0.65	3406	22.30	14.49	0.65	3429	19.84	12.90	0.65	3497	19.05	12.38	0.65	3531	18.10	11.76	0.65	3601
	31	87.8	26	78.8	31.02	16.44	0.53	3123	28.54	15.13	0.53	3275	28.25	14.97	0.53	3307	23.31	12.35	0.53	3430	22.61	11.98	0.53	3453	20.12	10.66	0.53	3521	19.32	10.24	0.53	3555	18.35	9.73	0.53	3625
	32	89.6	18	64.4	29.48	26.83	0.91	3065	27.12	24.68	0.91	3219	26.85	24.43	0.91	3251	22.15	20.16	0.91	3375	21.49	19.55	0.91	3398	19.12	17.40	0.91	3467	18.36	16.71	0.91	3501	17.44	15.87	0.91	3572
	32	89.6	20	68.0	30.08	27.37	0.91	3091	27.67	25.18	0.91	3245	27.40	24.93	0.91	3277	22.60	20.57	0.91	3401	21.92	19.95	0.91	3425	19.51	17.76	0.91	3493	18.73	17.05	0.91	3528	17.80	16.19	0.91	3598
	32	89.6	22	71.6	30.68	24.85	0.81	3109	28.23	22.86	0.81	3263	27.94	22.64	0.81	3295	23.05	18.67	0.81	3419	22.36	18.11	0.81	3443	19.90	16.12	0.81	3511	19.11	15.48	0.81	3546	18.15	14.70	0.81	3616
	32	89.6	24	75.2	30.90	21.32	0.69	3130	28.43	19.61	0.69	3284	28.14	19.42	0.69	3316	23.22	16.02	0.69	3440	22.52	15.54	0.69	3464	20.04	13.83	0.69	3532	19.24	13.28	0.69	3567	18.28	12.61	0.69	3637
	32	89.6	26	78.8	31.33	17.86	0.57	3154	28.82	16.43	0.57	3308	28.54	16.27	0.57	3340	23.54	13.42	0.57	3464	22.84	13.02	0.57	3488	20.32	11.58	0.57	3556	19.51	11.12	0.57	3591	18.53	10.56	0.57	3661

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
120%	21	69.8	18	64.4	27.44	16.74	0.61	2108	27.17	16.58	0.61	2128	26.88	16.39	0.61	2147	26.53	16.18	0.61	2165	26.27	16.02	0.61	2175	25.98	15.85	0.61	2248	25.62	15.63	0.61	2347	25.17	15.35	0.61	2505	24.58	14.99	0.61	2621
	21	69.8	20	68.0	28.58	14.00	0.49	2132	28.29	13.86	0.49	2151	27.99	13.71	0.49	2171	27.63	13.54	0.49	2188	27.35	13.40	0.49	2199	27.05	13.26	0.49	2271	26.68	13.07	0.49	2370	26.21	12.84	0.49	2529	25.60	12.54	0.49	2644
	22	71.6	18	64.4	28.29	18.39	0.65	2130	28.01	18.21	0.65	2149	27.71	18.01	0.65	2169	27.35	17.78	0.65	2186	27.08	17.60	0.65	2197	26.79	17.41	0.65	2270	26.42	17.17	0.65	2370	25.95	16.87	0.65	2530	25.34	16.47	0.65	2647
	22	71.6	20	68.0	29.16	15.45	0.53	2154	28.87	15.30	0.53	2173	28.56	15.13	0.53	2193	28.19	14.94	0.53	2210	27.91	14.79	0.53	2221	27.61	14.63	0.53	2294	27.23	14.43	0.53	2394	26.74	14.17	0.53	2554	26.12	13.84	0.53	2671
	22	71.6	22	71.6	29.65	12.16	0.41	2170	29.36	12.04	0.41	2189	29.04	11.91	0.41	2209	28.67	11.75	0.41	2226	28.39	11.64	0.41	2237	28.08	11.51	0.41	2310	27.69	11.35	0.41	2410	27.20	11.15	0.41	2570	26.56	10.89	0.41	2687
	23	73.4	18	64.4	28.87	19.92	0.69	2151	28.58	19.72	0.69	2171	28.27	19.51	0.69	2191	27.91	19.26	0.69	2208	27.63	19.07	0.69	2220	27.33	18.86	0.69	2293	26.96	18.60	0.69	2394	26.48	18.27	0.69	2556	25.86	17.84	0.69	2674
	23	73.4	20	68.0	29.75	16.96	0.57	2175	29.46	16.79	0.57	2195	29.14	16.61	0.57	2215	28.77	16.40	0.57	2232	28.48	16.23	0.57	2244	28.17	16.06	0.57	2317	27.78	15.84	0.57	2418	27.29	15.56	0.57	2580	26.65	15.19	0.57	2698
	23	73.4	22	71.6	30.26	13.62	0.45	2192	29.96	13.48	0.45	2211	29.63	13.34	0.45	2231	29.25	13.16	0.45	2249	28.96	13.03	0.45	2260	28.65	12.89	0.45	2334	28.25	12.71	0.45	2435	27.75	12.49	0.45	2596	27.10	12.20	0.45	2714
	24	75.2	18	64.4	29.46	21.51	0.73	2173	29.17	21.29	0.73	2193	28.85	21.06	0.73	2213	28.48	20.79	0.73	2231	28.20	20.58	0.73	2242	27.89	20.36	0.73	2316	27.51	20.08	0.73	2418	27.02	19.72	0.73	2582	26.39	19.26	0.73	2701
	24	75.2	20	68.0	30.36	18.52	0.61	2197	30.06	18.34	0.61	2217	29.73	18.14	0.61	2237	29.35	17.90	0.61	2255	29.06	17.73	0.61	2266	28.75	17.53	0.61	2341	28.35	17.29	0.61	2443	27.85	16.99	0.61	2606	27.19	16.59	0.61	2725
	24	75.2	22	71.6	30.88	15.13	0.49	2214	30.57	14.98	0.49	2234	30.24	14.82	0.49	2254	29.85	14.63	0.49	2272	29.56	14.48	0.49	2283	29.23	14.32	0.49	2357	28.83	14.13	0.49	2459	28.32	13.88	0.49	2622	27.66	13.55	0.49	2742
	24	75.2	24	75.2	31.31	11.58	0.37	2233	31.00	11.47	0.37	2253	30.66	11.35	0.37	2273	30.27	11.20	0.37	2291	29.97	11.09	0.37	2302	29.64	10.97	0.37	2377	29.23	10.82	0.37	2479	28.72	10.63	0.37	2642	28.04	10.38	0.37	2761
	25	77.0	18	64.4	30.37	23.39	0.77	2195	30.07	23.15	0.77	2215	29.74	22.90	0.77	2235	29.36	22.61	0.77	2253	29.07	22.38	0.77	2265	28.75	22.14	0.77	2340	28.36	21.83	0.77	2443	27.86	21.45	0.77	2608	27.20	20.95	0.77	2728
	25	77.0	20	68.0	31.30	20.35	0.65	2219	30.99	20.14	0.65	2240	30.65	19.92	0.65	2260	30.26	19.67	0.65	2278	29.96	19.47	0.65	2289	29.63	19.26	0.65	2364	29.23	19.00	0.65	2467	28.71	18.66	0.65	2632	28.04	18.22	0.65	2753
	25	77.0	22	71.6	31.83	16.87	0.53	2236	31.52	16.70	0.53	2256	31.17	16.52	0.53	2276	30.77	16.31	0.53	2294	30.47	16.15	0.53	2306	30.14	15.97	0.53	2381	29.72	15.75	0.53	2484	29.20	15.47	0.53	2649	28.51	15.11	0.53	2769
	25	77.0	24	75.2	32.28	13.23	0.41	2256	31.96	13.10	0.41	2276	31.61	12.96	0.41	2296	31.21	12.79	0.41	2314	30.90	12.67	0.41	2325	30.56	12.53	0.41	2401	30.14	12.36	0.41	2504	29.61	12.14	0.41	2669	28.91	11.85	0.41	2789
	26	78.8	18	64.4	31.31	25.36	0.81	2217	31.00	25.11	0.81	2237	30.66	24.84	0.81	2258	30.27	24.52	0.81	2276	29.97	24.28	0.81	2288	29.64	24.01	0.81	2364	29.23	23.68	0.81	2468	28.72	23.26	0.81	2634	28.04	22.72	0.81	2756
	26	78.8	20	68.0	32.27	22.27	0.69	2242	31.95	22.04	0.69	2262	31.60	21.80	0.69	2283	31.20	21.53	0.69	2301	30.89	21.31	0.69	2312	30.55	21.08	0.69	2388	30.13	20.79	0.69	2492	29.60	20.42	0.69	2659	28.90	19.94	0.69	2781
	26	78.8	22	71.6	32.82	18.71	0.57	2259	32.49	18.52	0.57	2279	32.14	18.32	0.57	2299	31.73	18.08	0.57	2318	31.41	17.90	0.57	2329	31.07	17.71	0.57	2405	30.64	17.47	0.57	2509	30.10	17.16	0.57	2676	29.39	16.75	0.57	2797
	26	78.8	24	75.2	33.28	14.97	0.45	2279	32.95	14.83	0.45	2299	32.59	14.66	0.45	2319	32.17	14.48	0.45	2337	31.85	14.33	0.45	2349	31.51	14.18	0.45	2425	31.07	13.98	0.45	2529	30.52	13.73	0.45	2696	29.81	13.41	0.45	2817
	26	78.8	26	78.8	33.81	11.16	0.33	2301	33.47	11.05	0.33	2322	33.11	10.93	0.33	2342	32.69	10.79	0.33	2360	32.36	10.68	0.33	2372	32.01	10.56	0.33	2448	31.57	10.42	0.33	2552	31.01	10.23	0.33	2718	30.28	9.99	0.33	2840
	27	80.6	18	64.4	31.95	27.16	0.85	2240	31.63	26.89	0.85	2260	31.29	26.60	0.85	2281	30.89	26.25	0.85	2299	30.58	25.99	0.85	2311	30.25	25.71	0.85	2387	29.83	25.36	0.85	2492	29.30	24.91	0.85	2661	28.62	24.32	0.85	2784
	27	80.6	19	66.2	32.60	25.75	0.79	2250	32.28	25.50	0.79	2270	31.93	25.22	0.79	2291	31.52	24.90	0.79	2309	31.21	24.65	0.79	2321	30.87	24.38	0.79	2397	30.44	24.05	0.79	2502	29.90	23.62	0.79	2671	29.20	23.07	0.79	2794
	27	80.6	20	68.0	32.93	24.04	0.73	2265	32.60	23.80	0.73	2285	32.25	23.54	0.73	2306	31.83	23.24	0.73	2324	31.52	23.01	0.73	2336	31.17	22.76	0.73	2412	30.74	22.44	0.73	2517	30.20	22.05	0.73	2686	29.49	21.53	0.73	2809
	27	80.6	22	71.6	33.49	20.43	0.61	2282	33.16	20.22	0.61	2302	32.79	20.00	0.61	2323	32.37	19.75	0.61	2341	32.05	19.55	0.61	2353	31.70	19.34	0.61	2429	31.27	19.07	0.61	2534	30.71	18.74	0.61	2703	29.99	18.30	0.61	2826
	27	80.6	24	75.2	33.96	16.64	0.49	2302	33.62	16.47	0.49	2322	33.25	16.29	0.49	2343	32.83	16.09	0.49	2361	32.50	15.93	0.49	2373	32.15	15.75	0.49	2449	31.70	15.54	0.49	2554	31.14	15.26	0.49	2723	30.41	14.90	0.49	2846
	27	80.6	26	78.8	34.50	12.76	0.37	2325	34.16	12.64	0.37	2345	33.79	12.50	0.37	2366	33.35	12.34	0.37	2384	33.02	12.22	0.37	2396	32.66	12.09	0.37	2472	32.21	11.92	0.37	2577	31.64	11.71	0.37	2746	30.90	11.43	0.37	2869
	28	82.4	18	64.4	32.27	28.72	0.89	2262	31.95	28.43	0.89	2283	31.60	28.13	0.89	2303	31.20	27.76	0.89	2322	30.89	27.49	0.89	2334	30.55	27.19	0.89	2411	30.13	26.81	0.89	2517	29.60	26.34	0.89	2687	28.90	25.72	0.89	2812
	28	82.4	20	68.0	32.93	25.35	0.77	2287	32.60	25.10	0.77	2308	32.25	24.83	0.77	2329	31.83	24.51	0.77	2347	31.52	24.27	0.77	2359	31.17	24.00	0.77	2437	30.74	23.67	0.77	2543	30.20	23.25	0.77	2713	29.49	22.71	0.77	2837
	28	82.4	22	71.6	33.26	21.62	0.65	2304	32.93	21.40	0.65	2325	32.57	21.17	0.65	2346	32.15	20.90	0.65	2364	31.83	20.69	0.65	2376	31.49	20.47	0.65	2454	31.05	20.18	0.65	2560	30.50	19.83	0.65	2730	29.79	19.36	0.65	2854
	28	82.4	24	75.2	33.82	17.93	0.53	2325	33.49	17.75	0.53	2345	33.12	17.55	0.53	2366	32.70	17.33	0.53	2385	32.37	17.16	0.53	2396	32.02	16.97	0.53	2474	31.58	16.74	0.53	2580	31.02	16.44	0.53	2750	30.29	16.06	0.53	2874
	28	82.4	26	78.8	34.30	14.06	0.41	2348	33.96	13.92	0.41	2368	33.59	13.77	0.41	2389	33.16	13.59	0.41	2408	32.83	13.46	0.41	2420	32.47	13.31	0.41	2497	32.02	13.13	0.41	2603	31.46	12.90	0.41	2773	30.72	12.59	0.41	2897
	29	84.2	18	64.4	32.59	29.66	0.91	2285	32.27	29.36	0.91	2305	31.92	29.04	0.91	2326	31.51	28.67	0.91	2345	31.20	28.39	0.91	2357	30.86	28.08	0.91	2435	30.43	27.69	0.91	2543	29.89	27.20	0.91	2714	29.19	26.56	0.91	2840
	29	84.2	20	68.0	33.26	26.94	0.81	2310	32.93	26.67	0.81	2331	32.57	26.38	0.81	2352	32.15	26.04	0.81	2371	31.83	25.78	0.81	2383	31.49	25.50	0.81	2461	31.05	25.15	0.81	2568	30.50	24.71	0.81	2740	29.79	24.13	0.81	2865
	29	84.2	22	71.6	33.92	23.41	0.69	2327	33.59	23.17	0.69	2348	33.22	22.92	0.69	2369	32.79	22.63	0.69	2388	32.47	22.40	0.69	2400	32.12	22.16	0.69	2478	31.67	21.85	0.69	2585	31.11	21.47	0.69	2757	30.38	20.96	0.69	2882
	29	84.2	24	75.2	34.16	19.47	0.57	2348	33.82	19.28	0.57	2369	33.45	19.07	0.57	2390	33.02	18.82	0.57	2409	32.70	18.64	0.57	2420	32.34	18.43	0.57	2499	31.90	18.18	0.57	2606	31.33	17.86	0.57	2777	30.60	17.44	0.57	2903
	29	84.2	26	78.8	34.64	15.59	0.45	2371	34.30	15.43	0.45	2392	33.92	15.26	0.45	2413	33.49	15.07	0.45	2432	33.16	14.92	0.45	2444	32.79	14.76	0.45	2522	32.34	14.55	0.45	2629	31.77	14.30	0.45	2801	31.03	13.96	0.45	2926
	30	86.0	18	64.4	32.92	29.95	0.91	2307	32.59	29.66	0.91	2328	32.24	29.34	0.91	2350	31.82	28.96	0.91	2369	31.51	28.67	0.91	2381	31.16	28.36	0.91	2460	30.73	27.97	0.91	2568	30.19	27.47	0.91	2741	29.48	26.83	0.91	2868
	30	86.0	20	68.0	33.59	28.55	0.85	2333	33.26	28.27	0.85	2354	32.89	27.96	0.85	2375	32.47	27.60	0.85	2394	32.15	27.33	0.85	2406	31.80	27.03	0.85	2485	31.36	26.66	0.85	2594	30.81	26.19	0.85	2767	30.09	25.57	0.85	2894
	30	86.0	22	71.6	34.26	25.01	0.73	2351	33.92	24.76	0.73	2372	33.55	24.49	0.73	2393	33.12	24.18	0.73	2412	32.79	23.94	0.73	2424	32.44	23.68	0.73	2503	31.99	23.35	0.73	2611	31.42	22.94	0.73	2785	30.69	22.40	0.73	2911
	30	86.0	24	75.2	34.50	21.05	0.61	2371	34.16	20.84	0.61	2392	33.79	20.61	0.61	2414	33.35	20.35	0.61	2433	33.02	20.14	0.61	2445	32.66	19.93	0.61	2524	32.21	19.65	0.61	2632	31.64	19.30	0.61	2805	30.90	18.85	0.61	2932
	30	86.0	26	78.8	34.98	17.14	0.49	2395	34.64	16.97	0.49	2416	34.26	16.79	0.49	2437	33.82	16.57	0.49	2456	33.49	16.41	0.49	2468	33.12	16.23	0.49	2547	32.66	16.01	0.49	2656	32.09	15.72	0.49	2829	31.34	15.35	0.49	2956
	31	87.8	18	64.4	33.25	30.25	0.91	2330	32.92	29.95	0.91	2352	32.56	29.63	0.91	2373	32.14	29.25	0.91	2392	31.82	28.96	0.91	2404	31.48	28.64	0.91	2484	31.04	28.25	0.91	2594	30.49	27.75	0.91	2769	29.78	27.10	0.91	2897
	31	87.8	20	68.0	33.92	30.19	0.89	2357	33.59	29.89	0.89	2378	33.22	29.57	0.89	2399	32.80	29.19	0.89	2418	32.47	28.90	0.89	2431	32.12	28.59	0.89	2510	31.68	28.19	0.89	2620	31.12	27.69	0.89	2795	30.39	27.04	0.89	2923
	31	87.8	22	71.6	34.60	26.64	0.77	2374	34.26	26.38	0.77	2395	33.89	26.09	0.77	2417	33.45	25.76	0.77	2436	33.12	25.50	0.77	2448	32.76	25.23	0.77	2528	32.31	24.88	0.77	2637	31.74	24.44	0.77	2812	30.99	23.87	0.77	2940
	31	87.8	24	75.2	34.85	22.65	0.65	2395	34.50	22.43	0.65	2416	34.13	22.18	0.65	2438	33.69	21.90	0.65	2457	33.35	21.68	0.65	2469	32.99	21.44	0.65	2549	32.54	21.15	0.65	2658	31.96	20.77	0.65	2833	31.21	20.29	0.65	2961
	31	87.8	26	78.8	35.33	18.73	0.53	2419	34.98	18.54	0.53	2440	34.60	18.34	0.53	2462	34.16	18.10	0.53	2481	33.82	17.93	0.53	2493	33.45	17.73	0.53	2573	32.99	17.49	0.53	2682	32.41	17.18	0.53	2857	31.65	16.77	0.53	2985
	32	89.6	18	64.4	33.58	30.56	0.91	2354	33.25	30.25	0.91	2375	32.88	29.92	0.91	2397	32.46	29.54	0.91	2416	32.14	29.25	0.91	2429	31.79	28.93	0.91	2509	31.35	28.53	0.91	2620	30.80	28.03	0.91	2796	30.08	27.37	0.91	2926
	32	89.6	20	68.0	34.26	31.18	0.91	2380	33.92	30.87	0.91	2402	33.56	30.54	0.91	2423	33.12	30.14	0.91	2443	32.80	29.85	0.91	2455	32.44	29.52	0.91	2535	31.99	29.11	0.91	2646	31.43	28.60	0.91	2823	30.69	27.93	0.91	2952
	32	89.6	22	71.6	34.95	28.31	0.81	2398	34.60	28.03	0.81	2419	34.23	27.72	0.81	2441	33.79	27.37	0.81	2460	33.45	27.10	0.81	2473	33.09	26.80	0.81	2553	32.63	26.43	0.81	2664	32.06	25.96	0.81	2841	31.30	25.36	0.81	2970
	32	89.6	24	75.2	35.19	24.28	0.69	2419	34.85	24.04	0.69	2440	34.47	23.78	0.69	2462	34.02	23.48	0.69	2482	33.69	23.24	0.69	2494	33.32	22.99	0.69	2574	32.86	22.67	0.69	2685	32.28	22.27	0.69	2862	31.52	21.75	0.69	2991
	32	89.6	26	78.8	35.69	20.34	0.57	2443	35.33	20.14	0.57	2465	34.95	19.92	0.57	2486	34.50	19.67	0.57	2506	34.16	19.47	0.57	2518	33.79	19.26	0.57	2599	33.32	18.99	0.57	2709	32.73	18.66	0.57	2886	31.97	18.22	0.57	3015

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
120%	21	69.8	18	64.4	23.87	14.56	0.61	2719	21.96	13.39	0.61	2855	21.74	13.26	0.61	2884	17.93	10.94	0.61	2994	17.39	10.61	0.61	3015	15.48	9.44	0.61	3076	14.86	9.07	0.61	3106	14.12	8.61	0.61	3169
	21	69.8	20	68.0	24.85	12.18	0.49	2743	22.86	11.20	0.49	2879	22.63	11.09	0.49	2908	18.67	9.15	0.49	3018	18.11	8.87	0.49	3039	16.12	7.90	0.49	3099	15.48	7.58	0.49	3130	14.70	7.20	0.49	3192
	22	71.6	18	64.4	24.60	15.99	0.65	2746	22.64	14.71	0.65	2884	22.41	14.57	0.65	2913	18.49	12.02	0.65	3024	17.93	11.66	0.65	3045	15.96	10.37	0.65	3107	15.32	9.96	0.65	3138	14.56	9.46	0.65	3201
	22	71.6	20	68.0	25.36	13.44	0.53	2770	23.33	12.36	0.53	2908	23.10	12.24	0.53	2937	19.05	10.10	0.53	3048	18.48	9.80	0.53	3069	16.45	8.72	0.53	3130	15.79	8.37	0.53	3162	15.00	7.95	0.53	3224
	22	71.6	22	71.6	25.79	10.57	0.41	2786	23.72	9.73	0.41	2924	23.49	9.63	0.41	2953	19.38	7.94	0.41	3064	18.80	7.71	0.41	3085	16.73	6.86	0.41	3147	16.06	6.58	0.41	3178	15.26	6.26	0.41	3241
	23	73.4	18	64.4	25.11	17.32	0.69	2774	23.10	15.94	0.69	2913	22.87	15.78	0.69	2943	18.86	13.02	0.69	3055	18.30	12.63	0.69	3076	16.29	11.24	0.69	3138	15.63	10.79	0.69	3169	14.85	10.25	0.69	3233
	23	73.4	20	68.0	25.87	14.75	0.57	2798	23.80	13.57	0.57	2937	23.57	13.43	0.57	2967	19.44	11.08	0.57	3079	18.86	10.75	0.57	3100	16.78	9.57	0.57	3162	16.11	9.18	0.57	3193	15.31	8.73	0.57	3257
	23	73.4	22	71.6	26.31	11.84	0.45	2815	24.21	10.89	0.45	2954	23.97	10.79	0.45	2983	19.77	8.90	0.45	3095	19.18	8.63	0.45	3117	17.07	7.68	0.45	3178	16.39	7.37	0.45	3210	15.57	7.01	0.45	3273
	24	75.2	18	64.4	25.62	18.70	0.73	2802	23.57	17.21	0.73	2943	23.33	17.03	0.73	2972	19.25	14.05	0.73	3086	18.67	13.63	0.73	3107	16.62	12.13	0.73	3170	15.95	11.65	0.73	3201	15.16	11.06	0.73	3266
	24	75.2	20	68.0	26.40	16.11	0.61	2826	24.29	14.82	0.61	2967	24.05	14.67	0.61	2997	19.84	12.10	0.61	3110	19.24	11.74	0.61	3132	17.13	10.45	0.61	3194	16.44	10.03	0.61	3226	15.62	9.53	0.61	3290
	24	75.2	22	71.6	26.85	13.16	0.49	2843	24.70	12.10	0.49	2984	24.46	11.98	0.49	3013	20.18	9.89	0.49	3126	19.57	9.59	0.49	3148	17.42	8.53	0.49	3210	16.72	8.19	0.49	3242	15.89	7.78	0.49	3306
	24	75.2	24	75.2	27.23	10.07	0.37	2862	25.05	9.27	0.37	3003	24.80	9.18	0.37	3033	20.46	7.57	0.37	3146	19.85	7.34	0.37	3167	17.66	6.53	0.37	3230	16.96	6.27	0.37	3262	16.11	5.96	0.37	3326
	25	77.0	18	64.4	26.41	20.34	0.77	2831	24.30	18.71	0.77	2973	24.05	18.52	0.77	3002	19.85	15.28	0.77	3117	19.25	14.82	0.77	3139	17.13	13.19	0.77	3202	16.45	12.66	0.77	3234	15.62	12.03	0.77	3299
	25	77.0	20	68.0	27.22	17.69	0.65	2855	25.04	16.28	0.65	2997	24.79	16.11	0.65	3027	20.45	13.29	0.65	3141	19.84	12.90	0.65	3163	17.66	11.48	0.65	3226	16.95	11.02	0.65	3258	16.10	10.47	0.65	3323
	25	77.0	22	71.6	27.68	14.67	0.53	2872	25.47	13.50	0.53	3014	25.21	13.36	0.53	3044	20.80	11.02	0.53	3158	20.18	10.69	0.53	3180	17.96	9.52	0.53	3243	17.24	9.14	0.53	3275	16.38	8.68	0.53	3340
	25	77.0	24	75.2	28.07	11.51	0.41	2891	25.82	10.59	0.41	3033	25.57	10.48	0.41	3063	21.09	8.65	0.41	3178	20.46	8.39	0.41	3199	18.21	7.47	0.41	3262	17.48	7.17	0.41	3295	16.61	6.81	0.41	3359
	26	78.8	18	64.4	27.23	22.05	0.81	2859	25.05	20.29	0.81	3003	24.80	20.09	0.81	3033	20.46	16.57	0.81	3148	19.85	16.07	0.81	3170	17.66	14.31	0.81	3234	16.96	13.73	0.81	3266	16.11	13.05	0.81	3332
	26	78.8	20	68.0	28.06	19.36	0.69	2884	25.82	17.81	0.69	3027	25.56	17.63	0.69	3057	21.09	14.55	0.69	3173	20.45	14.11	0.69	3195	18.20	12.56	0.69	3259	17.47	12.06	0.69	3291	16.60	11.45	0.69	3357
	26	78.8	22	71.6	28.54	16.27	0.57	2901	26.25	14.97	0.57	3044	25.99	14.82	0.57	3074	21.44	12.22	0.57	3190	20.80	11.86	0.57	3212	18.51	10.55	0.57	3276	17.77	10.13	0.57	3308	16.88	9.62	0.57	3374
	26	78.8	24	75.2	28.94	13.02	0.45	2921	26.62	11.98	0.45	3064	26.36	11.86	0.45	3094	21.74	9.78	0.45	3210	21.09	9.49	0.45	3232	18.77	8.45	0.45	3295	18.02	8.11	0.45	3328	17.12	7.70	0.45	3393
	26	78.8	26	78.8	29.40	9.70	0.33	2943	27.05	8.93	0.33	3087	26.78	8.84	0.33	3117	22.09	7.29	0.33	3232	21.43	7.07	0.33	3255	19.07	6.29	0.33	3318	18.31	6.04	0.33	3351	17.39	5.74	0.33	3416
	27	80.6	18	64.4	27.78	23.62	0.85	2888	25.56	21.73	0.85	3033	25.30	21.51	0.85	3063	20.88	17.74	0.85	3180	20.25	17.21	0.85	3202	18.02	15.32	0.85	3267	17.30	14.71	0.85	3299	16.44	13.97	0.85	3366
	27	80.6	19	66.2	28.35	22.40	0.79	2898	26.08	20.60	0.79	3043	25.82	20.40	0.79	3073	21.30	16.83	0.79	3190	20.66	16.32	0.79	3212	18.39	14.53	0.79	3277	17.65	13.95	0.79	3309	16.77	13.25	0.79	3376
	27	80.6	20	68.0	28.63	20.90	0.73	2913	26.34	19.23	0.73	3058	26.08	19.04	0.73	3088	21.52	15.71	0.73	3205	20.87	15.24	0.73	3227	18.57	13.56	0.73	3292	17.83	13.02	0.73	3324	16.94	12.37	0.73	3391
	27	80.6	22	71.6	29.12	17.76	0.61	2930	26.79	16.34	0.61	3075	26.52	16.18	0.61	3105	21.88	13.35	0.61	3222	21.22	12.95	0.61	3244	18.89	11.52	0.61	3309	18.13	11.06	0.61	3341	17.23	10.51	0.61	3408
	27	80.6	24	75.2	29.53	14.47	0.49	2950	27.17	13.31	0.49	3095	26.89	13.18	0.49	3125	22.19	10.87	0.49	3242	21.52	10.55	0.49	3264	19.15	9.39	0.49	3329	18.39	9.01	0.49	3361	17.47	8.56	0.49	3428
	27	80.6	26	78.8	30.00	11.10	0.37	2973	27.60	10.21	0.37	3118	27.32	10.11	0.37	3148	22.54	8.34	0.37	3265	21.87	8.09	0.37	3287	19.46	7.20	0.37	3352	18.68	6.91	0.37	3384	17.75	6.57	0.37	3451
	28	82.4	18	64.4	28.06	24.97	0.89	2917	25.82	22.98	0.89	3063	25.56	22.75	0.89	3094	21.09	18.77	0.89	3212	20.45	18.20	0.89	3234	18.20	16.20	0.89	3299	17.47	15.55	0.89	3332	16.60	14.77	0.89	3399
	28	82.4	20	68.0	28.63	22.05	0.77	2942	26.34	20.28	0.77	3088	26.08	20.08	0.77	3119	21.52	16.57	0.77	3237	20.87	16.07	0.77	3260	18.57	14.30	0.77	3325	17.83	13.73	0.77	3358	16.94	13.04	0.77	3425
	28	82.4	22	71.6	28.92	18.80	0.65	2959	26.61	17.29	0.65	3106	26.34	17.12	0.65	3136	21.73	14.12	0.65	3254	21.08	13.70	0.65	3277	18.76	12.19	0.65	3342	18.01	11.71	0.65	3375	17.11	11.12	0.65	3442
	28	82.4	24	75.2	29.41	15.59	0.53	2980	27.06	14.34	0.53	3126	26.79	14.20	0.53	3157	22.10	11.71	0.53	3275	21.44	11.36	0.53	3297	19.08	10.11	0.53	3362	18.32	9.71	0.53	3395	17.40	9.22	0.53	3462
	28	82.4	26	78.8	29.82	12.23	0.41	3003	27.44	11.25	0.41	3149	27.16	11.14	0.41	3180	22.41	9.19	0.41	3298	21.74	8.91	0.41	3320	19.35	7.93	0.41	3385	18.57	7.61	0.41	3418	17.64	7.23	0.41	3485
	29	84.2	18	64.4	28.34	25.79	0.91	2946	26.07	23.73	0.91	3094	25.81	23.49	0.91	3125	21.30	19.38	0.91	3244	20.66	18.80	0.91	3267	18.38	16.73	0.91	3332	17.65	16.06	0.91	3366	16.77	15.26	0.91	3433
	29	84.2	20	68.0	28.92	23.43	0.81	2972	26.61	21.55	0.81	3119	26.34	21.34	0.81	3150	21.73	17.60	0.81	3270	21.08	17.07	0.81	3292	18.76	15.20	0.81	3358	18.01	14.59	0.81	3391	17.11	13.86	0.81	3459
	29	84.2	22	71.6	29.50	20.35	0.69	2989	27.14	18.73	0.69	3137	26.87	18.54	0.69	3168	22.17	15.29	0.69	3287	21.50	14.84	0.69	3310	19.14	13.20	0.69	3375	18.37	12.68	0.69	3409	17.45	12.04	0.69	3476
	29	84.2	24	75.2	29.71	16.93	0.57	3009	27.33	15.58	0.57	3157	27.06	15.42	0.57	3188	22.32	12.72	0.57	3307	21.65	12.34	0.57	3330	19.27	10.98	0.57	3396	18.50	10.54	0.57	3429	17.57	10.02	0.57	3497
	29	84.2	26	78.8	30.12	13.55	0.45	3033	27.71	12.47	0.45	3181	27.43	12.35	0.45	3212	22.63	10.19	0.45	3331	21.95	9.88	0.45	3354	19.54	8.79	0.45	3419	18.76	8.44	0.45	3452	17.82	8.02	0.45	3520
	30	86.0	18	64.4	28.62	26.05	0.91	2976	26.33	23.96	0.91	3125	26.07	23.73	0.91	3156	21.51	19.57	0.91	3276	20.86	18.99	0.91	3299	18.57	16.90	0.91	3366	17.83	16.22	0.91	3399	16.93	15.41	0.91	3468
	30	86.0	20	68.0	29.21	24.83	0.85	3001	26.87	22.84	0.85	3151	26.60	22.61	0.85	3182	21.95	18.66	0.85	3302	21.29	18.10	0.85	3325	18.95	16.11	0.85	3391	18.19	15.46	0.85	3425	17.28	14.69	0.85	3493
	30	86.0	22	71.6	29.79	21.75	0.73	3019	27.41	20.01	0.73	3168	27.14	19.81	0.73	3199	22.39	16.34	0.73	3320	21.72	15.85	0.73	3343	19.33	14.11	0.73	3409	18.55	13.54	0.73	3443	17.63	12.87	0.73	3511
	30	86.0	24	75.2	30.00	18.30	0.61	3039	27.60	16.84	0.61	3189	27.33	16.67	0.61	3220	22.54	13.75	0.61	3340	21.87	13.34	0.61	3363	19.46	11.87	0.61	3430	18.68	11.40	0.61	3463	17.75	10.83	0.61	3532
	30	86.0	26	78.8	30.42	14.91	0.49	3063	27.99	13.71	0.49	3212	27.71	13.58	0.49	3244	22.86	11.20	0.49	3364	22.17	10.87	0.49	3387	19.73	9.67	0.49	3453	18.95	9.28	0.49	3487	18.00	8.82	0.49	3555
	31	87.8	18	64.4	28.91	26.31	0.91	3005	26.60	24.20	0.91	3156	26.33	23.96	0.91	3188	21.72	19.77	0.91	3309	21.07	19.18	0.91	3332	18.75	17.07	0.91	3399	18.00	16.38	0.91	3433	17.10	15.56	0.91	3502
	31	87.8	20	68.0	29.50	26.26	0.89	3031	27.14	24.16	0.89	3182	26.87	23.91	0.89	3214	22.17	19.73	0.89	3335	21.50	19.14	0.89	3358	19.14	17.03	0.89	3425	18.37	16.35	0.89	3459	17.45	15.53	0.89	3528
	31	87.8	22	71.6	30.09	23.17	0.77	3049	27.68	21.32	0.77	3200	27.41	21.10	0.77	3231	22.61	17.41	0.77	3353	21.93	16.89	0.77	3376	19.52	15.03	0.77	3443	18.74	14.43	0.77	3477	17.80	13.71	0.77	3546
	31	87.8	24	75.2	30.30	19.70	0.65	3070	27.88	18.12	0.65	3221	27.60	17.94	0.65	3252	22.77	14.80	0.65	3374	22.09	14.36	0.65	3397	19.66	12.78	0.65	3464	18.87	12.27	0.65	3498	17.93	11.65	0.65	3567
	31	87.8	26	78.8	30.73	16.29	0.53	3094	28.27	14.98	0.53	3244	27.99	14.83	0.53	3276	23.09	12.24	0.53	3398	22.40	11.87	0.53	3421	19.93	10.56	0.53	3488	19.14	10.14	0.53	3522	18.18	9.63	0.53	3591
	32	89.6	18	64.4	29.20	26.57	0.91	3035	26.86	24.45	0.91	3188	26.60	24.20	0.91	3220	21.94	19.97	0.91	3342	21.28	19.37	0.91	3366	18.94	17.24	0.91	3433	18.18	16.55	0.91	3468	17.28	15.72	0.91	3537
	32	89.6	20	68.0	29.80	27.11	0.91	3062	27.41	24.95	0.91	3214	27.14	24.70	0.91	3246	22.39	20.37	0.91	3369	21.72	19.76	0.91	3392	19.33	17.59	0.91	3460	18.56	16.89	0.91	3494	17.63	16.04	0.91	3564
	32	89.6	22	71.6	30.39	24.62	0.81	3079	27.96	22.65	0.81	3232	27.68	22.42	0.81	3264	22.84	18.50	0.81	3386	22.15	17.94	0.81	3410	19.72	15.97	0.81	3477	18.93	15.33	0.81	3512	17.98	14.56	0.81	3581
	32	89.6	24	75.2	30.61	21.12	0.69	3100	28.16	19.43	0.69	3253	27.88	19.23	0.69	3285	23.00	15.87	0.69	3407	22.31	15.39	0.69	3431	19.85	13.70	0.69	3498	19.06	13.15	0.69	3533	18.11	12.49	0.69	3602
	32	89.6	26	78.8	31.03	17.69	0.57	3125	28.55	16.27	0.57	3277	28.27	16.11	0.57	3309	23.32	13.29	0.57	3432	22.62	12.89	0.57	3455	20.13	11.48	0.57	3523	19.33	11.02	0.57	3557	18.36	10.47	0.57	3627

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																																	
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
110%	21	69,8	18	64,4	26,92	16,42	0,61	2088	26,65	16,26	0,61	2107	26,36	16,08	0,61	2126	26,03	15,88	0,61	2144	25,77	15,72	0,61	2154	25,49	15,55	0,61	2226	25,14	15,33	0,61	2324	24,69	15,06	0,61	2481	24,11	14,71	0,61	2595
	21	69,8	20	68,0	28,03	13,74	0,49	2112	27,75	13,60	0,49	2131	27,45	13,45	0,49	2150	27,10	13,28	0,49	2167	26,83	13,15	0,49	2178	26,54	13,00	0,49	2249	26,17	12,82	0,49	2347	25,71	12,60	0,49	2504	25,11	12,30	0,49	2619
	22	71,6	18	64,4	27,75	18,04	0,65	2109	27,48	17,86	0,65	2128	27,18	17,67	0,65	2148	26,83	17,44	0,65	2165	26,57	17,27	0,65	2176	26,28	17,08	0,65	2248	25,91	16,84	0,65	2347	25,46	16,55	0,65	2506	24,86	16,16	0,65	2622
	22	71,6	20	68,0	28,60	15,16	0,53	2133	28,32	15,01	0,53	2152	28,01	14,85	0,53	2172	27,65	14,66	0,53	2189	27,38	14,51	0,53	2200	27,08	14,35	0,53	2272	26,71	14,15	0,53	2371	26,24	13,90	0,53	2530	25,62	13,58	0,53	2645
	22	71,6	22	71,6	29,09	11,93	0,41	2149	28,80	11,81	0,41	2168	28,49	11,68	0,41	2188	28,12	11,53	0,41	2205	27,84	11,42	0,41	2216	27,54	11,29	0,41	2288	27,16	11,14	0,41	2387	26,68	10,94	0,41	2546	26,06	10,68	0,41	2662
	23	73,4	18	64,4	28,32	19,54	0,69	2130	28,04	19,35	0,69	2150	27,73	19,14	0,69	2169	27,38	18,89	0,69	2187	27,11	18,70	0,69	2198	26,81	18,50	0,69	2271	26,44	18,25	0,69	2371	25,98	17,92	0,69	2531	25,37	17,50	0,69	2648
	23	73,4	20	68,0	29,19	16,64	0,57	2154	28,90	16,47	0,57	2174	28,58	16,29	0,57	2193	28,22	16,08	0,57	2211	27,94	15,92	0,57	2222	27,63	15,75	0,57	2295	27,25	15,53	0,57	2395	26,77	15,26	0,57	2555	26,14	14,90	0,57	2672
	23	73,4	22	71,6	29,68	13,36	0,45	2171	29,39	13,23	0,45	2190	29,07	13,08	0,45	2210	28,70	12,91	0,45	2227	28,41	12,79	0,45	2238	28,10	12,65	0,45	2311	27,72	12,47	0,45	2411	27,23	12,25	0,45	2571	26,59	11,96	0,45	2688
	24	75,2	18	64,4	28,90	21,10	0,73	2152	28,61	20,89	0,73	2172	28,30	20,66	0,73	2191	27,94	20,39	0,73	2209	27,66	20,19	0,73	2220	27,36	19,97	0,73	2294	26,98	19,70	0,73	2395	26,51	19,35	0,73	2557	25,88	18,90	0,73	2675
	24	75,2	20	68,0	29,78	18,17	0,61	2176	29,49	17,99	0,61	2196	29,17	17,79	0,61	2216	28,79	17,56	0,61	2233	28,51	17,39	0,61	2245	28,20	17,20	0,61	2318	27,81	16,96	0,61	2419	27,32	16,66	0,61	2581	26,68	16,27	0,61	2699
	24	75,2	22	71,6	30,29	14,84	0,49	2193	29,99	14,69	0,49	2212	29,66	14,53	0,49	2232	29,28	14,35	0,49	2250	28,99	14,21	0,49	2261	28,68	14,05	0,49	2335	28,28	13,86	0,49	2436	27,78	13,61	0,49	2597	27,13	13,29	0,49	2716
	24	75,2	24	75,2	30,71	11,36	0,37	2212	30,41	11,25	0,37	2232	30,08	11,13	0,37	2252	29,69	10,99	0,37	2269	29,40	10,88	0,37	2280	29,08	10,76	0,37	2354	28,68	10,61	0,37	2455	28,17	10,42	0,37	2617	27,51	10,18	0,37	2735
	25	77,0	18	64,4	29,79	22,94	0,77	2174	29,50	22,71	0,77	2194	29,18	22,47	0,77	2214	28,80	22,18	0,77	2231	28,52	21,96	0,77	2243	28,21	21,72	0,77	2317	27,82	21,42	0,77	2419	27,33	21,04	0,77	2583	26,68	20,55	0,77	2702
	25	77,0	20	68,0	30,70	19,96	0,65	2198	30,40	19,76	0,65	2218	30,07	19,55	0,65	2238	29,68	19,29	0,65	2256	29,39	19,10	0,65	2267	29,07	18,90	0,65	2342	28,67	18,63	0,65	2444	28,16	18,31	0,65	2607	27,50	17,88	0,65	2726
	25	77,0	22	71,6	31,23	16,55	0,53	2215	30,92	16,39	0,53	2235	30,58	16,21	0,53	2255	30,19	16,00	0,53	2273	29,89	15,84	0,53	2284	29,56	15,67	0,53	2358	29,16	15,45	0,53	2460	28,64	15,18	0,53	2624	27,97	14,82	0,53	2743
	25	77,0	24	75,2	31,66	12,98	0,41	2234	31,35	12,85	0,41	2254	31,01	12,71	0,41	2274	30,61	12,55	0,41	2292	30,31	12,43	0,41	2303	29,98	12,29	0,41	2378	29,56	12,12	0,41	2480	29,04	11,91	0,41	2643	28,36	11,63	0,41	2763
	26	78,8	18	64,4	30,71	24,88	0,81	2196	30,41	24,63	0,81	2216	30,08	24,36	0,81	2236	29,69	24,05	0,81	2254	29,40	23,81	0,81	2265	29,08	23,55	0,81	2341	28,68	23,23	0,81	2444	28,17	22,82	0,81	2609	27,51	22,28	0,81	2729
	26	78,8	20	68,0	31,65	21,84	0,69	2220	31,34	21,62	0,69	2240	31,00	21,39	0,69	2261	30,60	21,12	0,69	2279	30,30	20,91	0,69	2290	29,97	20,68	0,69	2365	29,56	20,39	0,69	2468	29,03	20,03	0,69	2633	28,35	19,56	0,69	2754
	26	78,8	22	71,6	32,19	18,35	0,57	2237	31,87	18,17	0,57	2257	31,53	17,97	0,57	2277	31,12	17,74	0,57	2296	30,81	17,56	0,57	2307	30,48	17,37	0,57	2382	30,06	17,13	0,57	2485	29,53	16,83	0,57	2650	28,83	16,44	0,57	2771
	26	78,8	24	75,2	32,64	14,69	0,45	2257	32,32	14,54	0,45	2277	31,97	14,39	0,45	2297	31,56	14,20	0,45	2315	31,25	14,06	0,45	2327	30,91	13,91	0,45	2402	30,48	13,72	0,45	2505	29,94	13,47	0,45	2670	29,24	13,16	0,45	2790
	26	78,8	26	78,8	33,16	10,94	0,33	2280	32,84	10,84	0,33	2300	32,48	10,72	0,33	2320	32,06	10,58	0,33	2338	31,74	10,48	0,33	2350	31,40	10,36	0,33	2425	30,97	10,22	0,33	2528	30,42	10,04	0,33	2693	29,71	9,80	0,33	2813
	27	80,6	18	64,4	31,34	26,64	0,85	2218	31,03	26,38	0,85	2238	30,69	26,09	0,85	2258	30,30	25,75	0,85	2277	30,00	25,50	0,85	2288	29,67	25,22	0,85	2364	29,26	24,87	0,85	2468	28,75	24,43	0,85	2635	28,07	23,86	0,85	2757
	27	80,6	19	66,2	31,98	25,26	0,79	2228	31,66	25,01	0,79	2248	31,32	24,74	0,79	2268	30,92	24,42	0,79	2287	30,61	24,18	0,79	2298	30,28	23,92	0,79	2374	29,86	23,59	0,79	2478	29,33	23,17	0,79	2645	28,64	22,63	0,79	2767
	27	80,6	20	68,0	32,30	23,58	0,73	2243	31,98	23,35	0,73	2263	31,63	23,09	0,73	2283	31,23	22,80	0,73	2302	30,92	22,57	0,73	2313	30,58	22,32	0,73	2389	30,16	22,02	0,73	2493	29,63	21,63	0,73	2660	28,93	21,12	0,73	2782
	27	80,6	22	71,6	32,85	20,04	0,61	2260	32,52	19,84	0,61	2280	32,17	19,62	0,61	2300	31,76	19,37	0,61	2319	31,44	19,18	0,61	2330	31,10	18,97	0,61	2406	30,67	18,71	0,61	2510	30,13	18,38	0,61	2677	29,42	17,95	0,61	2799
	27	80,6	24	75,2	33,31	16,32	0,49	2280	32,98	16,16	0,49	2300	32,62	15,98	0,49	2320	32,20	15,78	0,49	2339	31,88	15,62	0,49	2350	31,54	15,45	0,49	2426	31,10	15,24	0,49	2530	30,55	14,97	0,49	2697	29,83	14,62	0,49	2819
	27	80,6	26	78,8	33,84	12,52	0,37	2303	33,51	12,40	0,37	2323	33,14	12,26	0,37	2343	32,72	12,11	0,37	2362	32,39	11,99	0,37	2373	32,04	11,85	0,37	2449	31,60	11,69	0,37	2553	31,04	11,48	0,37	2720	30,31	11,22	0,37	2842
	28	82,4	18	64,4	31,65	28,17	0,89	2240	31,34	27,89	0,89	2260	31,00	27,59	0,89	2281	30,60	27,24	0,89	2300	30,30	26,97	0,89	2311	29,97	26,67	0,89	2388	29,56	26,30	0,89	2493	29,03	25,84	0,89	2661	28,35	25,23	0,89	2784
	28	82,4	20	68,0	32,30	24,87	0,77	2265	31,98	24,62	0,77	2286	31,63	24,36	0,77	2306	31,23	24,04	0,77	2325	30,92	23,81	0,77	2336	30,58	23,55	0,77	2413	30,16	23,22	0,77	2518	29,63	22,81	0,77	2687	28,93	22,28	0,77	2809
	28	82,4	22	71,6	32,62	21,20	0,65	2282	32,30	20,99	0,65	2303	31,95	20,77	0,65	2323	31,54	20,50	0,65	2342	31,23	20,30	0,65	2354	30,89	20,08	0,65	2430	30,46	19,80	0,65	2535	29,92	19,45	0,65	2704	29,22	18,99	0,65	2827
	28	82,4	24	75,2	33,18	17,58	0,53	2303	32,85	17,41	0,53	2323	32,49	17,22	0,53	2344	32,07	17,00	0,53	2362	31,76	16,83	0,53	2374	31,41	16,65	0,53	2450	30,98	16,42	0,53	2556	30,43	16,13	0,53	2724	29,72	15,75	0,53	2847
	28	82,4	26	78,8	33,64	13,79	0,41	2326	33,31	13,66	0,41	2346	32,95	13,51	0,41	2367	32,52	13,33	0,41	2385	32,20	13,20	0,41	2397	31,85	13,06	0,41	2474	31,41	12,88	0,41	2579	30,86	12,65	0,41	2747	30,13	12,35	0,41	2870
	29	84,2	18	64,4	31,97	29,09	0,91	2262	31,65	28,80	0,91	2283	31,31	28,49	0,91	2304	30,91	28,13	0,91	2323	30,60	27,85	0,91	2334	30,27	27,54	0,91	2412	29,85	27,16	0,91	2518	29,32	26,68	0,91	2688	28,64	26,06	0,91	2812
	29	84,2	20	68,0	32,62	26,42	0,81	2288	32,30	26,16	0,81	2309	31,95	25,88	0,81	2329	31,54	25,55	0,81	2348	31,23	25,29	0,81	2360	30,89	25,02	0,81	2437	30,46	24,67	0,81	2543	29,92	24,24	0,81	2713	29,22	23,67	0,81	2838
	29	84,2	22	71,6	33,28	22,96	0,69	2305	32,95	22,73	0,69	2326	32,59	22,49	0,69	2347	32,17	22,20	0,69	2365	31,85	21,98	0,69	2377	31,50	21,74	0,69	2455	31,07	21,44	0,69	2561	30,52	21,06	0,69	2731	29,80	20,57	0,69	2855
	29	84,2	24	75,2	33,51	19,10	0,57	2326	33,18	18,91	0,57	2346	32,82	18,71	0,57	2367	32,40	18,47	0,57	2386	32,07	18,28	0,57	2397	31,73	18,08	0,57	2475	31,29	17,83	0,57	2581	30,73	17,52	0,57	2751	30,01	17,11	0,57	2875
	29	84,2	26	78,8	33,98	15,29	0,45	2349	33,64	15,14	0,45	2370	33,28	14,97	0,45	2391	32,85	14,78	0,45	2409	32,52	14,64	0,45	2421	32,17	14,48	0,45	2498	31,73	14,28	0,45	2605	31,16	14,02	0,45	2775	30,43	13,70	0,45	2899
	30	86,0	18	64,4	32,29	29,38	0,91	2285	31,97	29,09	0,91	2306	31,62	28,78	0,91	2327	31,22	28,41	0,91	2346	30,91	28,13	0,91	2358	30,57	27,82	0,91	2436	30,15	27,44	0,91	2543	29,62	26,95	0,91	2715	28,92	26,32	0,91	2840
	30	86,0	20	68,0	32,95	28,01	0,85	2311	32,62	27,73	0,85	2332	32,27	27,43	0,85	2353	31,85	27,08	0,85	2372	31,54	26,81	0,85	2383	31,20	26,52	0,85	2462	30,76	26,15	0,85	2569	30,22	25,69	0,85	2741	29,51	25,09	0,85	2866
	30	86,0	22	71,6	33,61	24,53	0,73	2328	33,28	24,29	0,73	2349	32,91	24,03	0,73	2370	32,49	23,72	0,73	2389	32,17	23,48	0,73	2401	31,82	23,23	0,73	2479	31,38	22,91	0,73	2586	30,82	22,50	0,73	2758	30,10	21,97	0,73	2883
	30	86,0	24	75,2	33,84	20,64	0,61	2349	33,51	20,44	0,61	2370	33,14	20,22	0,61	2391	32,72	19,96	0,61	2410	32,40	19,76	0,61	2421	32,04	19,55	0,61	2500	31,60	19,28	0,61	2607	31,04	18,94	0,61	2779	30,31	18,49	0,61	2904
	30	86,0	26	78,8	34,32	16,82	0,49	2373	33,98	16,65	0,49	2393	33,61	16,47	0,49	2414	33,18	16,26	0,49	2433	32,85	16,10	0,49	2445	32,49	15,92	0,49	2523	32,04	15,70	0,49	2631	31,48	15,42	0,49	2802	30,74	15,06	0,49	2928
	31	87,8	18	64,4	32,61	29,68	0,91	2308	32,29	29,38	0,91	2329	31,94	29,06	0,91	2350	31,53	28,69	0,91	2369	31,22	28,41	0,91	2381	30,88	28,10	0,91	2460	30,45	27,71	0,91	2569	29,91	27,22	0,91	2742	29,21	26,58	0,91	2869
	31	87,8	20	68,0	33,28	29,62	0,89	2334	32,95	29,32	0,89	2355	32,59	29,01	0,89	2376	32,17	28,63	0,89	2395	31,85	28,35	0,89	2407	31,51	28,04	0,89	2486	31,07	27,65	0,89	2595	30,52	27,17	0,89	2768	29,81	26,53	0,89	2895
	31	87,8	22	71,6	33,94	26,14	0,77	2352	33,61	25,88	0,77	2373	33,24	25,60	0,77	2394	32,82	25,27	0,77	2413	32,49	25,02	0,77	2425	32,14	24,75	0,77	2504	31,69	24,40	0,77	2612	31,13	23,97	0,77	2786	30,40	23,41	0,77	2912
	31	87,8	24	75,2	34,18	22,22	0,65	2372	33,84	22,00	0,65	2393	33,48	21,76	0,65	2415	33,05	21,48	0,65	2434	32,72	21,27	0,65	2446	32,36	21,04	0,65	2525	31,92	20,75	0,65	2633	31,35	20,38	0,65	2806	30,62	19,90	0,65	2933
	31	87,8	26	78,8	34,66	18,37	0,53	2396	34,32	18,19	0,53	2417	33,94	17,99	0,53	2439	33,51	17,76	0,53	2458	33,18	17,58	0,53	2470	32,82	17,39	0,53	2549	32,36	17,15	0,53	2657	31,79	16,85	0,53	2830	31,05	16,45	0,53	2957
	32	89,6	18	64,4	32,94	29,97	0,91	2331	32,61	29,68	0,91	2352	32,26	29,35	0,91	2374	31,84	28,98	0,91	2393	31,53	28,69	0,91	2405	31,19	28,38	0,91	2485	30,76	27,99	0,91	2594	30,21	27,49	0,91	2769	29,50	26,85	0,91	2897
	32	89,6	20	68,0	33,61	30,59	0,91	2357	33,28	30,28	0,91	2378	32,92	29,95	0,91	2400	32,49	29,57	0,91	2419	32,17	29,28	0,91	2431	31,82	28,96	0,91	2511	31,38	28,56	0,91	2620	30,83	28,05	0,91	2796	30,11	27,40	0,91	2924
	32	89,6	22	71,6	34,28	27,77	0,81	2375	33,94	27,49	0,81	2396	33,57	27,20	0,81	2418	33,14	26,85	0,81	2437	32,82	26,58	0,81	2449	32,46	26,29	0,81	2529	32,01	25,93	0,81	2638	31,44	25,47	0,81	2813	30,71	24,87	0,81	2941
	32	89,6	24	75,2	34,52	23,82	0,69	2396	34,18	23,59	0,69	2417	33,81	23,33	0,69	2439	33,38	23,03	0,69	2458	33,05	22,80	0,69	2470	32,69	22,55	0,69	2550	32,24	22,24	0,69	2659	31,67	21,85	0,69	2835	30,92	21,34	0,69	2962
	32	89,6	26	78,8	35,01	19,95	0,57	2420	34,66	19,76	0,57	2442	34,28	19,54	0,57	2463	33,84	19,29	0,57	2482	33,51	19,10	0,57	2494	33,14	18,89	0,57	2574	32,69	18,63	0,57	2684	32,11	18,30	0,57	2859	31,36	17,87	0,57	2987

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
110%	21	69.8	18	64.4	23.41	14.28	0.61	2693	21.77	13.28	0.61	2828	21.55	13.15	0.61	2856	17.78	10.85	0.61	2965	17.25	10.52	0.61	2986	15.35	9.36	0.61	3046	14.74	8.99	0.61	3076	14.00	8.54	0.61	3138
	21	69.8	20	68.0	24.38	11.94	0.49	2716	22.67	11.11	0.49	2851	22.44	11.00	0.49	2880	18.52	9.07	0.49	2989	17.96	8.80	0.49	3009	15.98	7.83	0.49	3069	15.35	7.52	0.49	3100	14.58	7.14	0.49	3162
	22	71.6	18	64.4	24.14	15.69	0.65	2720	22.45	14.59	0.65	2856	22.22	14.44	0.65	2885	18.33	11.92	0.65	2995	17.78	11.56	0.65	3016	15.83	10.29	0.65	3076	15.19	9.88	0.65	3107	14.43	9.38	0.65	3170
	22	71.6	20	68.0	24.87	13.18	0.53	2744	23.13	12.26	0.53	2880	22.90	12.14	0.53	2909	18.89	10.01	0.53	3019	18.33	9.71	0.53	3040	16.31	8.64	0.53	3100	15.66	8.30	0.53	3131	14.88	7.88	0.53	3193
	22	71.6	22	71.6	25.30	10.37	0.41	2760	23.53	9.65	0.41	2896	23.29	9.55	0.41	2925	19.21	7.88	0.41	3035	18.64	7.64	0.41	3056	16.59	6.80	0.41	3116	15.92	6.53	0.41	3147	15.13	6.20	0.41	3210
	23	73.4	18	64.4	24.63	16.99	0.69	2747	22.90	15.80	0.69	2885	22.67	15.65	0.69	2914	18.71	12.91	0.69	3025	18.15	12.52	0.69	3046	16.15	11.14	0.69	3108	15.50	10.70	0.69	3139	14.73	10.16	0.69	3202
	23	73.4	20	68.0	25.38	14.47	0.57	2771	23.60	13.45	0.57	2909	23.37	13.32	0.57	2938	19.28	10.99	0.57	3049	18.70	10.66	0.57	3070	16.64	9.49	0.57	3132	15.98	9.11	0.57	3163	15.18	8.65	0.57	3226
	23	73.4	22	71.6	25.81	11.62	0.45	2788	24.01	10.80	0.45	2925	23.77	10.69	0.45	2954	19.61	8.82	0.45	3066	19.02	8.56	0.45	3087	16.93	7.62	0.45	3148	16.25	7.31	0.45	3179	15.44	6.95	0.45	3242
	24	75.2	18	64.4	25.13	18.35	0.73	2775	23.37	17.06	0.73	2914	23.14	16.89	0.73	2944	19.09	13.93	0.73	3056	18.52	13.52	0.73	3077	16.48	12.03	0.73	3139	15.82	11.55	0.73	3170	15.03	10.97	0.73	3234
	24	75.2	20	68.0	25.90	15.80	0.61	2799	24.09	14.69	0.61	2939	23.85	14.55	0.61	2968	19.67	12.00	0.61	3080	19.08	11.64	0.61	3101	16.98	10.36	0.61	3163	16.30	9.95	0.61	3195	15.49	9.45	0.61	3258
	24	75.2	22	71.6	26.34	12.91	0.49	2816	24.50	12.00	0.49	2955	24.25	11.88	0.49	2984	20.01	9.80	0.49	3097	19.41	9.51	0.49	3118	17.27	8.46	0.49	3180	16.58	8.12	0.49	3211	15.75	7.72	0.49	3275
	24	75.2	24	75.2	26.71	9.88	0.37	2835	24.84	9.19	0.37	2974	24.59	9.10	0.37	3004	20.29	7.51	0.37	3116	19.68	7.28	0.37	3137	17.51	6.48	0.37	3199	16.81	6.22	0.37	3231	15.97	5.91	0.37	3294
	25	77.0	18	64.4	25.91	19.95	0.77	2803	24.09	18.55	0.77	2944	23.85	18.37	0.77	2973	19.68	15.15	0.77	3087	19.09	14.70	0.77	3108	16.99	13.08	0.77	3171	16.31	12.56	0.77	3202	15.49	11.93	0.77	3267
	25	77.0	20	68.0	26.70	17.36	0.65	2828	24.83	16.14	0.65	2968	24.58	15.98	0.65	2998	20.28	13.18	0.65	3111	19.67	12.79	0.65	3133	17.51	11.38	0.65	3195	16.81	10.93	0.65	3227	15.97	10.38	0.65	3291
	25	77.0	22	71.6	27.15	14.39	0.53	2844	25.25	13.38	0.53	2985	25.00	13.25	0.53	3014	20.63	10.93	0.53	3128	20.01	10.60	0.53	3149	17.81	9.44	0.53	3212	17.09	9.06	0.53	3244	16.24	8.61	0.53	3308
	25	77.0	24	75.2	27.53	11.29	0.41	2864	25.61	10.50	0.41	3004	25.35	10.39	0.41	3034	20.91	8.58	0.41	3147	20.29	8.32	0.41	3169	18.06	7.40	0.41	3231	17.33	7.11	0.41	3263	16.47	6.75	0.41	3327
	26	78.8	18	64.4	26.71	21.63	0.81	2831	24.84	20.12	0.81	2973	24.59	19.92	0.81	3003	20.29	16.43	0.81	3118	19.68	15.94	0.81	3140	17.51	14.19	0.81	3203	16.81	13.62	0.81	3235	15.97	12.94	0.81	3300
	26	78.8	20	68.0	27.53	18.99	0.69	2856	25.60	17.66	0.69	2998	25.34	17.49	0.69	3028	20.91	14.43	0.69	3143	20.28	13.99	0.69	3164	18.05	12.45	0.69	3227	17.33	11.96	0.69	3260	16.46	11.36	0.69	3324
	26	78.8	22	71.6	27.99	15.96	0.57	2873	26.03	14.84	0.57	3015	25.77	14.69	0.57	3045	21.26	12.12	0.57	3159	20.63	11.76	0.57	3181	18.36	10.46	0.57	3244	17.62	10.04	0.57	3276	16.74	9.54	0.57	3341
	26	78.8	24	75.2	28.39	12.77	0.45	2893	26.40	11.88	0.45	3035	26.14	11.76	0.45	3065	21.56	9.70	0.45	3179	20.91	9.41	0.45	3201	18.61	8.38	0.45	3264	17.87	8.04	0.45	3296	16.98	7.64	0.45	3361
	26	78.8	26	78.8	28.84	9.52	0.33	2916	26.82	8.85	0.33	3058	26.55	8.76	0.33	3087	21.91	7.23	0.33	3202	21.25	7.01	0.33	3224	18.91	6.24	0.33	3287	18.16	5.99	0.33	3319	17.25	5.69	0.33	3384
	27	80.6	18	64.4	27.25	23.17	0.85	2860	25.35	21.54	0.85	3004	25.09	21.33	0.85	3034	20.70	17.60	0.85	3149	20.08	17.07	0.85	3171	17.87	15.19	0.85	3235	17.16	14.58	0.85	3267	16.30	13.85	0.85	3333
	27	80.6	19	66.2	27.81	21.97	0.79	2870	25.86	20.43	0.79	3014	25.60	20.23	0.79	3044	21.12	16.69	0.79	3159	20.49	16.19	0.79	3181	18.24	14.41	0.79	3245	17.51	13.83	0.79	3277	16.63	13.14	0.79	3343
	27	80.6	20	68.0	28.09	20.50	0.73	2885	26.12	19.07	0.73	3029	25.86	18.88	0.73	3059	21.34	15.57	0.73	3174	20.70	15.11	0.73	3196	18.42	13.45	0.73	3260	17.68	12.91	0.73	3292	16.80	12.26	0.73	3358
	27	80.6	22	71.6	28.57	17.43	0.61	2902	26.57	16.21	0.61	3046	26.30	16.04	0.61	3076	21.70	13.24	0.61	3191	21.05	12.84	0.61	3213	18.73	11.43	0.61	3277	17.98	10.97	0.61	3309	17.08	10.42	0.61	3375
	27	80.6	24	75.2	28.97	14.19	0.49	2922	26.94	13.20	0.49	3066	26.67	13.07	0.49	3096	22.00	10.78	0.49	3211	21.34	10.46	0.49	3233	18.99	9.31	0.49	3297	18.23	8.93	0.49	3329	17.32	8.49	0.49	3395
	27	80.6	26	78.8	29.43	10.89	0.37	2945	27.37	10.13	0.37	3089	27.10	10.03	0.37	3119	22.35	8.27	0.37	3234	21.68	8.02	0.37	3256	19.30	7.14	0.37	3320	18.53	6.85	0.37	3352	17.60	6.51	0.37	3418
	28	82.4	18	64.4	27.53	24.50	0.89	2889	25.60	22.78	0.89	3034	25.34	22.56	0.89	3064	20.91	18.61	0.89	3181	20.28	18.05	0.89	3203	18.05	16.06	0.89	3267	17.33	15.42	0.89	3300	16.46	14.65	0.89	3366
	28	82.4	20	68.0	28.09	21.63	0.77	2914	26.12	20.11	0.77	3059	25.86	19.91	0.77	3089	21.34	16.43	0.77	3206	20.70	15.94	0.77	3228	18.42	14.18	0.77	3293	17.68	13.62	0.77	3325	16.80	12.93	0.77	3392
	28	82.4	22	71.6	28.37	18.44	0.65	2931	26.38	17.15	0.65	3076	26.12	16.98	0.65	3106	21.55	14.01	0.65	3223	20.90	13.59	0.65	3246	18.60	12.09	0.65	3310	17.86	11.61	0.65	3343	16.97	11.03	0.65	3409
	28	82.4	24	75.2	28.85	15.29	0.53	2951	26.83	14.22	0.53	3096	26.56	14.08	0.53	3127	21.91	11.61	0.53	3243	21.26	11.27	0.53	3266	18.92	10.03	0.53	3330	18.16	9.63	0.53	3363	17.25	9.14	0.53	3429
	28	82.4	26	78.8	29.26	11.99	0.41	2974	27.21	11.15	0.41	3119	26.94	11.04	0.41	3150	22.22	9.11	0.41	3267	21.55	8.84	0.41	3289	19.18	7.87	0.41	3353	18.42	7.55	0.41	3386	17.50	7.17	0.41	3452
	29	84.2	18	64.4	27.80	25.30	0.91	2917	25.86	23.53	0.91	3064	25.60	23.29	0.91	3095	21.12	19.22	0.91	3213	20.48	18.64	0.91	3235	18.23	16.59	0.91	3300	17.50	15.93	0.91	3333	16.63	15.13	0.91	3400
	29	84.2	20	68.0	28.37	22.98	0.81	2943	26.38	21.37	0.81	3089	26.12	21.16	0.81	3120	21.55	17.45	0.81	3238	20.90	16.93	0.81	3261	18.60	15.07	0.81	3326	17.86	14.47	0.81	3359	16.97	13.74	0.81	3426
	29	84.2	22	71.6	28.94	19.97	0.69	2960	26.91	18.57	0.69	3107	26.64	18.38	0.69	3137	21.98	15.17	0.69	3255	21.32	14.71	0.69	3278	18.97	13.09	0.69	3343	18.22	12.57	0.69	3376	17.31	11.94	0.69	3443
	29	84.2	24	75.2	29.14	16.61	0.57	2981	27.10	15.45	0.57	3127	26.83	15.29	0.57	3158	22.13	12.62	0.57	3276	21.47	12.24	0.57	3298	19.11	10.89	0.57	3363	18.34	10.46	0.57	3396	17.43	9.93	0.57	3463
	29	84.2	26	78.8	29.55	13.30	0.45	3004	27.48	12.37	0.45	3151	27.20	12.24	0.45	3181	22.44	10.10	0.45	3299	21.77	9.80	0.45	3322	19.38	8.72	0.45	3387	18.60	8.37	0.45	3420	17.67	7.95	0.45	3487
	30	86.0	18	64.4	28.08	25.55	0.91	2947	26.11	23.76	0.91	3095	25.85	23.53	0.91	3126	21.33	19.41	0.91	3245	20.69	18.83	0.91	3268	18.41	16.76	0.91	3333	17.68	16.09	0.91	3366	16.79	15.28	0.91	3434
	30	86.0	20	68.0	28.65	24.35	0.85	2972	26.65	22.65	0.85	3120	26.38	22.42	0.85	3151	21.76	18.50	0.85	3270	21.11	17.94	0.85	3293	18.79	15.97	0.85	3359	18.04	15.33	0.85	3392	17.14	14.57	0.85	3460
	30	86.0	22	71.6	29.23	21.33	0.73	2990	27.18	19.84	0.73	3138	26.91	19.64	0.73	3169	22.20	16.21	0.73	3288	21.53	15.72	0.73	3311	19.16	13.99	0.73	3376	18.40	13.43	0.73	3410	17.48	12.76	0.73	3477
	30	86.0	24	75.2	29.43	17.95	0.61	3011	27.37	16.70	0.61	3158	27.10	16.53	0.61	3189	22.36	13.64	0.61	3309	21.68	13.23	0.61	3331	19.30	11.77	0.61	3397	18.53	11.30	0.61	3430	17.60	10.74	0.61	3498
	30	86.0	26	78.8	29.84	14.62	0.49	3034	27.75	13.60	0.49	3182	27.48	13.46	0.49	3213	22.67	11.11	0.49	3332	21.99	10.77	0.49	3355	19.57	9.59	0.49	3421	18.79	9.21	0.49	3454	17.85	8.75	0.49	3522
	31	87.8	18	64.4	28.36	25.81	0.91	2976	26.38	24.00	0.91	3125	26.11	23.76	0.91	3157	21.54	19.60	0.91	3277	20.90	19.02	0.91	3300	18.60	16.92	0.91	3366	17.85	16.25	0.91	3400	16.96	15.43	0.91	3468
	31	87.8	20	68.0	28.94	25.76	0.89	3002	26.91	23.95	0.89	3151	26.64	23.71	0.89	3183	21.98	19.56	0.89	3303	21.32	18.98	0.89	3326	18.98	16.89	0.89	3392	18.22	16.21	0.89	3426	17.31	15.40	0.89	3494
	31	87.8	22	71.6	29.52	22.73	0.77	3020	27.45	21.14	0.77	3169	27.18	20.93	0.77	3201	22.42	17.26	0.77	3321	21.75	16.75	0.77	3344	19.36	14.90	0.77	3410	18.58	14.31	0.77	3444	17.65	13.59	0.77	3512
	31	87.8	24	75.2	29.73	19.32	0.65	3041	27.64	17.97	0.65	3190	27.37	17.79	0.65	3221	22.58	14.68	0.65	3342	21.90	14.24	0.65	3365	19.49	12.67	0.65	3431	18.71	12.16	0.65	3465	17.78	11.56	0.65	3533
	31	87.8	26	78.8	30.14	15.98	0.53	3065	28.03	14.86	0.53	3214	27.75	14.71	0.53	3245	22.89	12.13	0.53	3366	22.21	11.77	0.53	3389	19.77	10.48	0.53	3455	18.97	10.06	0.53	3489	18.03	9.55	0.53	3557
	32	89.6	18	64.4	28.64	26.07	0.91	3006	26.64	24.24	0.91	3157	26.37	24.00	0.91	3188	21.76	19.80	0.91	3310	21.10	19.21	0.91	3333	18.78	17.09	0.91	3400	18.03	16.41	0.91	3434	17.13	15.59	0.91	3503
	32	89.6	20	68.0	29.23	26.60	0.91	3032	27.18	24.74	0.91	3183	26.91	24.49	0.91	3215	22.20	20.20	0.91	3336	21.54	19.60	0.91	3359	19.17	17.44	0.91	3426	18.40	16.74	0.91	3460	17.48	15.91	0.91	3529
	32	89.6	22	71.6	29.81	24.15	0.81	3050	27.73	22.46	0.81	3201	27.45	22.23	0.81	3233	22.65	18.34	0.81	3354	21.97	17.79	0.81	3377	19.55	15.84	0.81	3444	18.77	15.20	0.81	3478	17.83	14.44	0.81	3547
	32	89.6	24	75.2	30.02	20.72	0.69	3071	27.92	19.27	0.69	3222	27.64	19.07	0.69	3254	22.80	15.74	0.69	3375	22.12	15.26	0.69	3398	19.69	13.58	0.69	3465	18.90	13.04	0.69	3499	17.95	12.39	0.69	3568
	32	89.6	26	78.8	30.44	17.35	0.57	3095	28.31	16.14	0.57	3246	28.03	15.98	0.57	3278	23.12	13.18	0.57	3399	22.43	12.79	0.57	3423	19.96	11.38	0.57	3489	19.16	10.92	0.57	3523	18.21	10.38	0.57	3592

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
100%	21	69.8	18	64.4	26.14	15.94	0.61	2037	25.88	15.79	0.61	2055	25.60	15.61	0.61	2074	25.27	15.41	0.61	2091	25.02	15.26	0.61	2102	24.75	15.10	0.61	2171	24.40	14.89	0.61	2267	23.97	14.62	0.61	2420	23.41	14.28	0.61	2532
	21	69.8	20	68.0	27.22	13.34	0.49	2060	26.95	13.20	0.49	2079	26.65	13.06	0.49	2098	26.31	12.89	0.49	2115	26.05	12.76	0.49	2125	25.77	12.63	0.49	2195	25.41	12.45	0.49	2290	24.96	12.23	0.49	2444	24.38	11.94	0.49	2555
	22	71.6	18	64.4	26.95	17.51	0.65	2057	26.68	17.34	0.65	2076	26.39	17.15	0.65	2095	26.05	16.93	0.65	2112	25.79	16.76	0.65	2123	25.51	16.58	0.65	2193	25.16	16.35	0.65	2290	24.71	16.06	0.65	2444	24.14	15.69	0.65	2557
	22	71.6	20	68.0	27.77	14.72	0.53	2081	27.50	14.57	0.53	2100	27.20	14.41	0.53	2119	26.85	14.23	0.53	2136	26.58	14.09	0.53	2147	26.29	13.93	0.53	2217	25.93	13.74	0.53	2314	25.47	13.50	0.53	2468	24.87	13.18	0.53	2581
	22	71.6	22	71.6	28.24	11.58	0.41	2097	27.96	11.46	0.41	2116	27.66	11.34	0.41	2135	27.30	11.19	0.41	2152	27.03	11.08	0.41	2163	26.74	10.96	0.41	2233	26.37	10.81	0.41	2330	25.90	10.62	0.41	2484	25.30	10.37	0.41	2597
	23	73.4	18	64.4	27.50	18.97	0.69	2078	27.22	18.78	0.69	2097	26.93	18.58	0.69	2116	26.58	18.34	0.69	2133	26.32	18.16	0.69	2144	26.03	17.96	0.69	2215	25.67	17.71	0.69	2313	25.22	17.40	0.69	2469	24.63	16.99	0.69	2583
	23	73.4	20	68.0	28.34	16.15	0.57	2102	28.06	15.99	0.57	2121	27.75	15.82	0.57	2140	27.40	15.62	0.57	2157	27.12	15.46	0.57	2168	26.83	15.29	0.57	2239	26.46	15.08	0.57	2337	25.99	14.81	0.57	2493	25.38	14.47	0.57	2607
	23	73.4	22	71.6	28.82	12.97	0.45	2119	28.53	12.84	0.45	2138	28.22	12.70	0.45	2157	27.86	12.54	0.45	2174	27.59	12.41	0.45	2185	27.29	12.28	0.45	2256	26.91	12.11	0.45	2353	26.43	11.89	0.45	2509	25.81	11.62	0.45	2624
	24	75.2	18	64.4	28.06	20.48	0.73	2099	27.78	20.28	0.73	2118	27.48	20.06	0.73	2138	27.12	19.80	0.73	2155	26.86	19.60	0.73	2166	26.56	19.39	0.73	2238	26.20	19.12	0.73	2336	25.73	18.79	0.73	2494	25.13	18.35	0.73	2609
	24	75.2	20	68.0	28.92	17.64	0.61	2123	28.63	17.46	0.61	2143	28.32	17.27	0.61	2162	27.95	17.05	0.61	2179	27.68	16.88	0.61	2190	27.38	16.70	0.61	2262	27.00	16.47	0.61	2361	26.52	16.18	0.61	2518	25.90	15.80	0.61	2634
	24	75.2	22	71.6	29.41	14.41	0.49	2140	29.12	14.27	0.49	2159	28.80	14.11	0.49	2178	28.43	13.93	0.49	2196	28.15	13.79	0.49	2207	27.84	13.64	0.49	2279	27.46	13.45	0.49	2377	26.97	13.22	0.49	2535	26.34	12.91	0.49	2650
	24	75.2	24	75.2	29.82	11.03	0.37	2159	29.52	10.92	0.37	2179	29.20	10.80	0.37	2198	28.83	10.67	0.37	2215	28.54	10.56	0.37	2226	28.23	10.45	0.37	2298	27.84	10.30	0.37	2397	27.35	10.12	0.37	2554	26.71	9.88	0.37	2669
	25	77.0	18	64.4	28.92	22.27	0.77	2120	28.64	22.05	0.77	2140	28.33	21.81	0.77	2159	27.96	21.53	0.77	2177	27.69	21.32	0.77	2188	27.38	21.09	0.77	2260	27.01	20.80	0.77	2360	26.53	20.43	0.77	2519	25.91	19.95	0.77	2636
	25	77.0	20	68.0	29.81	19.38	0.65	2145	29.51	19.18	0.65	2164	29.19	18.98	0.65	2184	28.82	18.73	0.65	2201	28.53	18.55	0.65	2212	28.22	18.35	0.65	2285	27.83	18.09	0.65	2384	27.34	17.77	0.65	2544	26.70	17.36	0.65	2660
	25	77.0	22	71.6	30.32	16.07	0.53	2162	30.02	15.91	0.53	2181	29.69	15.74	0.53	2200	29.31	15.53	0.53	2218	29.02	15.38	0.53	2229	28.70	15.21	0.53	2302	28.31	15.00	0.53	2401	27.81	14.74	0.53	2560	27.15	14.39	0.53	2677
	25	77.0	24	75.2	30.74	12.60	0.41	2181	30.44	12.48	0.41	2201	30.11	12.34	0.41	2220	29.72	12.18	0.41	2238	29.42	12.06	0.41	2249	29.10	11.93	0.41	2321	28.70	11.77	0.41	2421	28.20	11.56	0.41	2580	27.53	11.29	0.41	2696
	26	78.8	18	64.4	29.82	24.15	0.81	2142	29.52	23.91	0.81	2161	29.20	23.65	0.81	2181	28.83	23.35	0.81	2199	28.54	23.12	0.81	2210	28.23	22.87	0.81	2283	27.84	22.55	0.81	2384	27.35	22.15	0.81	2545	26.71	21.63	0.81	2662
	26	78.8	20	68.0	30.73	21.20	0.69	2167	30.43	21.00	0.69	2186	30.10	20.77	0.69	2206	29.71	20.50	0.69	2224	29.42	20.30	0.69	2235	29.10	20.08	0.69	2308	28.69	19.80	0.69	2409	28.19	19.45	0.69	2569	27.53	18.99	0.69	2687
	26	78.8	22	71.6	31.25	17.81	0.57	2183	30.94	17.64	0.57	2203	30.61	17.45	0.57	2223	30.22	17.22	0.57	2240	29.92	17.05	0.57	2251	29.59	16.87	0.57	2325	29.18	16.63	0.57	2425	28.67	16.34	0.57	2586	27.99	15.96	0.57	2704
	26	78.8	24	75.2	31.69	14.26	0.45	2203	31.38	14.12	0.45	2223	31.04	13.97	0.45	2242	30.64	13.79	0.45	2260	30.34	13.65	0.45	2271	30.00	13.50	0.45	2345	29.59	13.32	0.45	2445	29.07	13.08	0.45	2606	28.39	12.77	0.45	2724
	26	78.8	26	78.8	32.20	10.63	0.33	2226	31.88	10.52	0.33	2246	31.53	10.41	0.33	2265	31.13	10.27	0.33	2283	30.82	10.17	0.33	2294	30.49	10.06	0.33	2367	30.06	9.92	0.33	2468	29.53	9.75	0.33	2629	28.84	9.52	0.33	2746
	27	80.6	18	64.4	30.43	25.86	0.85	2163	30.13	25.61	0.85	2183	29.80	25.33	0.85	2203	29.42	25.00	0.85	2221	29.12	24.76	0.85	2232	28.81	24.49	0.85	2306	28.41	24.15	0.85	2408	27.91	23.72	0.85	2570	27.25	23.17	0.85	2689
	27	80.6	19	66.2	31.05	24.53	0.79	2173	30.74	24.29	0.79	2193	30.41	24.02	0.79	2213	30.02	23.71	0.79	2231	29.72	23.48	0.79	2242	29.40	23.22	0.79	2316	28.99	22.90	0.79	2418	28.48	22.50	0.79	2580	27.81	21.97	0.79	2699
	27	80.6	20	68.0	31.36	22.89	0.73	2188	31.05	22.67	0.73	2208	30.71	22.42	0.73	2228	30.32	22.13	0.73	2246	30.02	21.91	0.73	2257	29.69	21.67	0.73	2331	29.28	21.37	0.73	2433	28.76	21.00	0.73	2595	28.09	20.50	0.73	2714
	27	80.6	22	71.6	31.89	19.45	0.61	2205	31.58	19.26	0.61	2225	31.23	19.05	0.61	2245	30.83	18.81	0.61	2263	30.53	18.62	0.61	2274	30.19	18.42	0.61	2348	29.78	18.16	0.61	2450	29.25	17.84	0.61	2612	28.57	17.43	0.61	2731
	27	80.6	24	75.2	32.34	15.85	0.49	2225	32.02	15.69	0.49	2245	31.67	15.52	0.49	2265	31.26	15.32	0.49	2283	30.95	15.17	0.49	2294	30.62	15.00	0.49	2368	30.19	14.80	0.49	2470	29.66	14.53	0.49	2632	28.97	14.19	0.49	2751
	27	80.6	26	78.8	32.86	12.16	0.37	2248	32.53	12.04	0.37	2268	32.18	11.91	0.37	2288	31.76	11.75	0.37	2306	31.45	11.64	0.37	2317	31.11	11.51	0.37	2391	30.68	11.35	0.37	2493	30.14	11.15	0.37	2655	29.43	10.89	0.37	2774
	28	82.4	18	64.4	30.73	27.35	0.89	2185	30.43	27.08	0.89	2205	30.10	26.79	0.89	2225	29.71	26.44	0.89	2243	29.42	26.18	0.89	2255	29.10	25.90	0.89	2329	28.69	25.54	0.89	2432	28.19	25.09	0.89	2596	27.53	24.50	0.89	2716
	28	82.4	20	68.0	31.36	24.15	0.77	2210	31.05	23.91	0.77	2230	30.71	23.65	0.77	2250	30.32	23.34	0.77	2268	30.02	23.11	0.77	2280	29.69	22.86	0.77	2355	29.28	22.55	0.77	2457	28.76	22.15	0.77	2621	28.09	21.63	0.77	2741
	28	82.4	22	71.6	31.67	20.59	0.65	2228	31.36	20.38	0.65	2247	31.02	20.16	0.65	2268	30.62	19.90	0.65	2286	30.32	19.71	0.65	2297	29.99	19.49	0.65	2372	29.57	19.22	0.65	2474	29.05	18.88	0.65	2639	28.37	18.44	0.65	2759
	28	82.4	24	75.2	32.21	17.07	0.53	2248	31.89	16.90	0.53	2268	31.55	16.72	0.53	2288	31.14	16.50	0.53	2306	30.83	16.34	0.53	2317	30.50	16.16	0.53	2392	30.08	15.94	0.53	2495	29.54	15.66	0.53	2659	28.85	15.29	0.53	2779
	28	82.4	26	78.8	32.66	13.39	0.41	2271	32.34	13.26	0.41	2291	31.99	13.11	0.41	2311	31.58	12.95	0.41	2329	31.26	12.82	0.41	2340	30.92	12.68	0.41	2415	30.50	12.50	0.41	2518	29.96	12.28	0.41	2682	29.26	11.99	0.41	2802
	29	84.2	18	64.4	31.04	28.25	0.91	2207	30.73	27.97	0.91	2227	30.40	27.66	0.91	2247	30.01	27.31	0.91	2266	29.71	27.04	0.91	2277	29.39	26.74	0.91	2353	28.98	26.37	0.91	2456	28.47	25.91	0.91	2622	27.80	25.30	0.91	2743
	29	84.2	20	68.0	31.67	25.65	0.81	2232	31.36	25.40	0.81	2253	31.02	25.12	0.81	2273	30.62	24.80	0.81	2291	30.32	24.56	0.81	2303	29.99	24.29	0.81	2378	29.57	23.95	0.81	2482	29.05	23.53	0.81	2648	28.37	22.98	0.81	2769
	29	84.2	22	71.6	32.31	22.29	0.69	2250	31.99	22.07	0.69	2270	31.64	21.83	0.69	2290	31.23	21.55	0.69	2308	30.92	21.34	0.69	2320	30.59	21.10	0.69	2396	30.16	20.81	0.69	2499	29.63	20.45	0.69	2665	28.94	19.97	0.69	2786
	29	84.2	24	75.2	32.53	18.54	0.57	2270	32.21	18.36	0.57	2290	31.86	18.16	0.57	2311	31.45	17.93	0.57	2329	31.14	17.75	0.57	2340	30.80	17.56	0.57	2416	30.38	17.31	0.57	2520	29.84	17.01	0.57	2685	29.14	16.61	0.57	2806
	29	84.2	26	78.8	32.99	14.84	0.45	2294	32.66	14.70	0.45	2314	32.31	14.54	0.45	2334	31.89	14.35	0.45	2352	31.58	14.21	0.45	2364	31.23	14.05	0.45	2439	30.80	13.86	0.45	2543	30.26	13.62	0.45	2709	29.55	13.30	0.45	2830
	30	86.0	18	64.4	31.35	28.53	0.91	2229	31.04	28.25	0.91	2249	30.70	27.94	0.91	2270	30.31	27.58	0.91	2288	30.01	27.31	0.91	2300	29.68	27.01	0.91	2376	29.27	26.64	0.91	2481	28.75	26.17	0.91	2648	28.08	25.55	0.91	2771
	30	86.0	20	68.0	31.99	27.19	0.85	2255	31.67	26.92	0.85	2275	31.33	26.63	0.85	2296	30.93	26.29	0.85	2314	30.62	26.03	0.85	2326	30.29	25.74	0.85	2402	29.87	25.39	0.85	2507	29.34	24.94	0.85	2674	28.65	24.35	0.85	2796
	30	86.0	22	71.6	32.63	23.82	0.73	2272	32.31	23.58	0.73	2293	31.95	23.33	0.73	2313	31.54	23.03	0.73	2332	31.23	22.80	0.73	2343	30.89	22.55	0.73	2419	30.47	22.24	0.73	2524	29.93	21.85	0.73	2692	29.23	21.33	0.73	2814
	30	86.0	24	75.2	32.86	20.04	0.61	2293	32.53	19.85	0.61	2313	32.18	19.63	0.61	2334	31.77	19.38	0.61	2352	31.45	19.19	0.61	2364	31.11	18.98	0.61	2440	30.68	18.71	0.61	2545	30.14	18.38	0.61	2712	29.43	17.95	0.61	2835
	30	86.0	26	78.8	33.32	16.33	0.49	2317	32.99	16.16	0.49	2337	32.63	15.99	0.49	2357	32.21	15.78	0.49	2376	31.89	15.63	0.49	2387	31.55	15.46	0.49	2464	31.11	15.24	0.49	2568	30.56	14.97	0.49	2736	29.84	14.62	0.49	2858
	31	87.8	18	64.4	31.66	28.81	0.91	2251	31.35	28.53	0.91	2272	31.01	28.22	0.91	2293	30.61	27.86	0.91	2311	30.31	27.58	0.91	2323	29.98	27.28	0.91	2400	29.56	26.90	0.91	2506	29.04	26.43	0.91	2675	28.36	25.81	0.91	2798
	31	87.8	20	68.0	32.31	28.76	0.89	2277	31.99	28.47	0.89	2298	31.64	28.16	0.89	2319	31.24	27.80	0.89	2337	30.93	27.52	0.89	2349	30.59	27.22	0.89	2426	30.17	26.85	0.89	2532	29.63	26.37	0.89	2701	28.94	25.76	0.89	2824
	31	87.8	22	71.6	32.96	25.38	0.77	2295	32.63	25.12	0.77	2316	32.27	24.85	0.77	2336	31.86	24.53	0.77	2355	31.54	24.29	0.77	2367	31.20	24.02	0.77	2444	30.77	23.69	0.77	2549	30.23	23.27	0.77	2719	29.52	22.73	0.77	2842
	31	87.8	24	75.2	33.19	21.57	0.65	2316	32.86	21.36	0.65	2336	32.50	21.13	0.65	2357	32.08	20.85	0.65	2376	31.77	20.65	0.65	2387	31.42	20.42	0.65	2464	30.99	20.14	0.65	2570	30.44	19.79	0.65	2739	29.73	19.32	0.65	2863
	31	87.8	26	78.8	33.65	17.84	0.53	2340	33.32	17.66	0.53	2360	32.96	17.47	0.53	2381	32.53	17.24	0.53	2400	32.21	17.07	0.53	2411	31.86	16.89	0.53	2488	31.42	16.65	0.53	2594	30.87	16.36	0.53	2763	30.14	15.98	0.53	2887
	32	89.6	18	64.4	31.98	29.10	0.91	2274	31.66	28.81	0.91	2295	31.32	28.50	0.91	2316	30.92	28.13	0.91	2334	30.61	27.86	0.91	2346	30.28	27.55	0.91	2424	29.86	27.17	0.91	2531	29.33	26.69	0.91	2702	28.64	26.07	0.91	2826
	32	89.6	20	68.0	32.63	29.70	0.91	2300	32.31	29.40	0.91	2321	31.96	29.08	0.91	2342	31.55	28.71	0.91	2361	31.24	28.42	0.91	2372	30.90	28.11	0.91	2450	30.47	27.73	0.91	2557	29.93	27.24	0.91	2728	29.23	26.60	0.91	2853
	32	89.6	22	71.6	33.28	26.96	0.81	2318	32.96	26.69	0.81	2339	32.60	26.40	0.81	2360	32.18	26.06	0.81	2378	31.86	25.81	0.81	2390	31.51	25.53	0.81	2468	31.08	25.17	0.81	2575	30.53	24.73	0.81	2746	29.81	24.15	0.81	2871
	32	89.6	24	75.2	33.52	23.13	0.69	2339	33.19	22.90	0.69	2360	32.83	22.65	0.69	2381	32.40	22.36	0.69	2399	32.08	22.14	0.69	2411	31.73	21.90	0.69	2489	31.30	21.59	0.69	2596	30.74	21.21	0.69	2767	30.02	20.72	0.69	2892
	32	89.6	26	78.8	33.99	19.37	0.57	2363	33.65	19.18	0.57	2384	33.29	18.97	0.57	2405	32.86	18.73	0.57	2424	32.53	18.54	0.57	2435	32.18	18.34	0.57	2513	31.73	18.09	0.57	2620	31.17	17.77	0.57	2791	30.44	17.35	0.57	2916

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
100%	21	69.8	18	64.4	22.73	13.86	0.61	2627	21.14	12.89	0.61	2759	20.93	12.77	0.61	2786	17.26	10.53	0.61	2892	16.75	10.22	0.61	2913	14.90	9.09	0.61	2971	14.31	8.73	0.61	3001	13.59	8.29	0.61	3061
	21	69.8	20	68.0	23.67	11.60	0.49	2650	22.01	10.78	0.49	2782	21.79	10.68	0.49	2810	17.98	8.81	0.49	2916	17.44	8.54	0.49	2936	15.52	7.60	0.49	2995	14.90	7.30	0.49	3025	14.15	6.94	0.49	3085
	22	71.6	18	64.4	23.43	15.23	0.65	2653	21.79	14.16	0.65	2786	21.57	14.02	0.65	2814	17.80	11.57	0.65	2922	17.26	11.22	0.65	2942	15.37	9.99	0.65	3001	14.75	9.59	0.65	3031	14.01	9.11	0.65	3092
	22	71.6	20	68.0	24.15	12.80	0.53	2677	22.46	11.90	0.53	2810	22.23	11.78	0.53	2838	18.34	9.72	0.53	2945	17.79	9.43	0.53	2966	15.84	8.39	0.53	3025	15.20	8.06	0.53	3055	14.44	7.65	0.53	3116
	22	71.6	22	71.6	24.56	10.07	0.41	2693	22.84	9.36	0.41	2826	22.61	9.27	0.41	2854	18.66	7.65	0.41	2962	18.10	7.42	0.41	2982	16.11	6.60	0.41	3041	15.46	6.34	0.41	3071	14.69	6.02	0.41	3132
	23	73.4	18	64.4	23.91	16.50	0.69	2680	22.24	15.34	0.69	2815	22.01	15.19	0.69	2843	18.16	12.53	0.69	2951	17.62	12.16	0.69	2972	15.68	10.82	0.69	3032	15.05	10.39	0.69	3062	14.30	9.87	0.69	3123
	23	73.4	20	68.0	24.64	14.05	0.57	2704	22.92	13.06	0.57	2839	22.69	12.93	0.57	2867	18.72	10.67	0.57	2975	18.16	10.35	0.57	2996	16.16	9.21	0.57	3056	15.51	8.84	0.57	3086	14.74	8.40	0.57	3147
	23	73.4	22	71.6	25.06	11.28	0.45	2720	23.31	10.49	0.45	2855	23.07	10.38	0.45	2883	19.04	8.57	0.45	2992	18.46	8.31	0.45	3012	16.43	7.40	0.45	3072	15.78	7.10	0.45	3102	14.99	6.74	0.45	3164
	24	75.2	18	64.4	24.40	17.81	0.73	2707	22.69	16.56	0.73	2843	22.46	16.40	0.73	2872	18.53	13.53	0.73	2981	17.98	13.12	0.73	3002	16.00	11.68	0.73	3062	15.36	11.21	0.73	3093	14.59	10.65	0.73	3155
	24	75.2	20	68.0	25.15	15.34	0.61	2731	23.39	14.26	0.61	2867	23.15	14.12	0.61	2896	19.10	11.65	0.61	3005	18.53	11.30	0.61	3026	16.49	10.06	0.61	3086	15.83	9.66	0.61	3117	15.04	9.17	0.61	3179
	24	75.2	22	71.6	25.57	12.53	0.49	2748	23.78	11.65	0.49	2884	23.54	11.54	0.49	2912	19.42	9.52	0.49	3022	18.84	9.23	0.49	3043	16.77	8.22	0.49	3103	16.10	7.89	0.49	3134	15.29	7.49	0.49	3196
	24	75.2	24	75.2	25.93	9.59	0.37	2767	24.12	8.92	0.37	2903	23.87	8.83	0.37	2932	19.70	7.29	0.37	3041	19.11	7.07	0.37	3062	17.00	6.29	0.37	3122	16.32	6.04	0.37	3153	15.51	5.74	0.37	3215
	25	77.0	18	64.4	25.15	19.37	0.77	2734	23.39	18.01	0.77	2872	23.16	17.83	0.77	2901	19.11	14.71	0.77	3011	18.53	14.27	0.77	3032	16.49	12.70	0.77	3093	15.83	12.19	0.77	3124	15.04	11.58	0.77	3187
	25	77.0	20	68.0	25.92	16.85	0.65	2759	24.11	15.67	0.65	2896	23.87	15.51	0.65	2925	19.69	12.80	0.65	3036	19.10	12.41	0.65	3057	17.00	11.05	0.65	3118	16.32	10.61	0.65	3149	15.50	10.08	0.65	3211
	25	77.0	22	71.6	26.36	13.97	0.53	2776	24.52	12.99	0.53	2913	24.27	12.86	0.53	2942	20.03	10.61	0.53	3052	19.42	10.29	0.53	3073	17.29	9.16	0.53	3134	16.60	8.80	0.53	3165	15.77	8.36	0.53	3228
	25	77.0	24	75.2	26.73	10.96	0.41	2795	24.86	10.19	0.41	2932	24.61	10.09	0.41	2961	20.31	8.33	0.41	3072	19.70	8.08	0.41	3093	17.53	7.19	0.41	3154	16.83	6.90	0.41	3185	15.99	6.55	0.41	3248
	26	78.8	18	64.4	25.93	21.00	0.81	2762	24.12	19.53	0.81	2901	23.87	19.34	0.81	2930	19.70	15.95	0.81	3042	19.11	15.48	0.81	3063	17.00	13.77	0.81	3124	16.32	13.22	0.81	3156	15.51	12.56	0.81	3219
	26	78.8	20	68.0	26.72	18.44	0.69	2787	24.85	17.15	0.69	2925	24.61	16.98	0.69	2955	20.30	14.01	0.69	3066	19.69	13.59	0.69	3088	17.52	12.09	0.69	3149	16.82	11.61	0.69	3180	15.98	11.03	0.69	3244
	26	78.8	22	71.6	27.18	15.49	0.57	2804	25.28	14.41	0.57	2942	25.02	14.26	0.57	2971	20.64	11.77	0.57	3083	20.03	11.41	0.57	3104	17.82	10.16	0.57	3166	17.11	9.75	0.57	3197	16.25	9.26	0.57	3261
	26	78.8	24	75.2	27.56	12.40	0.45	2823	25.63	11.53	0.45	2962	25.37	11.42	0.45	2991	20.93	9.42	0.45	3103	20.31	9.14	0.45	3124	18.07	8.13	0.45	3186	17.35	7.81	0.45	3217	16.48	7.42	0.45	3280
	26	78.8	26	78.8	28.00	9.24	0.33	2846	26.04	8.59	0.33	2985	25.78	8.51	0.33	3014	21.27	7.02	0.33	3126	20.63	6.81	0.33	3147	18.36	6.06	0.33	3208	17.63	5.82	0.33	3240	16.75	5.53	0.33	3303
	27	80.6	18	64.4	26.46	22.49	0.85	2790	24.61	20.92	0.85	2930	24.36	20.71	0.85	2959	20.10	17.08	0.85	3072	19.50	16.57	0.85	3094	17.35	14.75	0.85	3156	16.66	14.16	0.85	3188	15.82	13.45	0.85	3251
	27	80.6	19	66.2	27.00	21.33	0.79	2800	25.11	19.84	0.79	2940	24.86	19.64	0.79	2969	20.51	16.20	0.79	3082	19.89	15.72	0.79	3104	17.71	13.99	0.79	3166	17.00	13.43	0.79	3198	16.15	12.76	0.79	3261
	27	80.6	20	68.0	27.27	19.91	0.73	2815	25.36	18.51	0.73	2955	25.11	18.33	0.73	2984	20.71	15.12	0.73	3097	20.09	14.67	0.73	3119	17.88	13.05	0.73	3181	17.17	12.53	0.73	3213	16.31	11.91	0.73	3276
	27	80.6	22	71.6	27.73	16.92	0.61	2832	25.79	15.73	0.61	2972	25.53	15.58	0.61	3001	21.07	12.85	0.61	3114	20.43	12.46	0.61	3136	18.19	11.09	0.61	3198	17.46	10.65	0.61	3230	16.59	10.12	0.61	3293
	27	80.6	24	75.2	28.12	13.78	0.49	2852	26.15	12.82	0.49	2992	25.89	12.69	0.49	3021	21.36	10.47	0.49	3134	20.72	10.15	0.49	3156	18.44	9.04	0.49	3218	17.70	8.67	0.49	3250	16.82	8.24	0.49	3313
	27	80.6	26	78.8	28.57	10.57	0.37	2875	26.57	9.83	0.37	3015	26.31	9.73	0.37	3044	21.70	8.03	0.37	3157	21.05	7.79	0.37	3179	18.74	6.93	0.37	3241	17.99	6.65	0.37	3273	17.09	6.32	0.37	3336
	28	82.4	18	64.4	26.72	23.78	0.89	2818	24.85	22.12	0.89	2959	24.61	21.90	0.89	2989	20.30	18.07	0.89	3103	19.69	17.52	0.89	3125	17.52	15.60	0.89	3187	16.82	14.97	0.89	3219	15.98	14.22	0.89	3284
	28	82.4	20	68.0	27.27	21.00	0.77	2843	25.36	19.53	0.77	2985	25.11	19.33	0.77	3014	20.71	15.95	0.77	3128	20.09	15.47	0.77	3150	17.88	13.77	0.77	3213	17.17	13.22	0.77	3245	16.31	12.56	0.77	3309
	28	82.4	22	71.6	27.54	17.90	0.65	2860	25.61	16.65	0.65	3002	25.36	16.48	0.65	3031	20.92	13.60	0.65	3145	20.29	13.19	0.65	3167	18.06	11.74	0.65	3230	17.34	11.27	0.65	3262	16.47	10.71	0.65	3326
	28	82.4	24	75.2	28.01	14.85	0.53	2881	26.05	13.81	0.53	3022	25.79	13.67	0.53	3052	21.28	11.28	0.53	3166	20.64	10.94	0.53	3187	18.37	9.74	0.53	3250	17.63	9.35	0.53	3282	16.75	8.88	0.53	3347
	28	82.4	26	78.8	28.40	11.65	0.41	2904	26.41	10.83	0.41	3045	26.15	10.72	0.41	3075	21.57	8.85	0.41	3189	20.93	8.58	0.41	3211	18.63	7.64	0.41	3273	17.88	7.33	0.41	3305	16.99	6.96	0.41	3370
	29	84.2	18	64.4	26.99	24.56	0.91	2846	25.10	22.84	0.91	2989	24.85	22.61	0.91	3019	20.50	18.66	0.91	3134	19.89	18.10	0.91	3156	17.70	16.11	0.91	3219	16.99	15.46	0.91	3252	16.14	14.69	0.91	3317
	29	84.2	20	68.0	27.54	22.31	0.81	2872	25.61	20.75	0.81	3014	25.36	20.54	0.81	3044	20.92	16.95	0.81	3159	20.29	16.44	0.81	3182	18.06	14.63	0.81	3245	17.34	14.04	0.81	3277	16.47	13.34	0.81	3342
	29	84.2	22	71.6	28.09	19.38	0.69	2889	26.13	18.03	0.69	3032	25.87	17.85	0.69	3062	21.34	14.72	0.69	3177	20.70	14.28	0.69	3199	18.42	12.71	0.69	3262	17.69	12.20	0.69	3294	16.80	11.59	0.69	3360
	29	84.2	24	75.2	28.29	16.13	0.57	2909	26.31	15.00	0.57	3052	26.05	14.85	0.57	3082	21.49	12.25	0.57	3197	20.84	11.88	0.57	3219	18.55	10.57	0.57	3283	17.81	10.15	0.57	3315	16.92	9.64	0.57	3380
	29	84.2	26	78.8	28.69	12.91	0.45	2933	26.68	12.01	0.45	3076	26.41	11.89	0.45	3106	21.79	9.81	0.45	3221	21.14	9.51	0.45	3243	18.81	8.47	0.45	3306	18.06	8.13	0.45	3338	17.16	7.72	0.45	3404
	30	86.0	18	64.4	27.26	24.81	0.91	2875	25.35	23.07	0.91	3019	25.10	22.84	0.91	3049	20.71	18.84	0.91	3165	20.09	18.28	0.91	3188	17.88	16.27	0.91	3252	17.16	15.62	0.91	3284	16.30	14.84	0.91	3350
	30	86.0	20	68.0	27.82	23.65	0.85	2900	25.87	21.99	0.85	3045	25.61	21.77	0.85	3075	21.13	17.96	0.85	3191	20.50	17.42	0.85	3213	18.24	15.51	0.85	3277	17.51	14.89	0.85	3310	16.64	14.14	0.85	3376
	30	86.0	22	71.6	28.37	20.71	0.73	2918	26.39	19.26	0.73	3062	26.12	19.07	0.73	3092	21.55	15.73	0.73	3209	20.91	15.26	0.73	3231	18.61	13.58	0.73	3295	17.86	13.04	0.73	3327	16.97	12.39	0.73	3393
	30	86.0	24	75.2	28.57	17.43	0.61	2938	26.57	16.21	0.61	3083	26.31	16.05	0.61	3113	21.70	13.24	0.61	3229	21.05	12.84	0.61	3251	18.74	11.43	0.61	3315	17.99	10.97	0.61	3348	17.09	10.42	0.61	3414
	30	86.0	26	78.8	28.97	14.20	0.49	2962	26.95	13.20	0.49	3106	26.68	13.07	0.49	3137	22.01	10.78	0.49	3253	21.35	10.46	0.49	3275	19.00	9.31	0.49	3339	18.24	8.94	0.49	3372	17.33	8.49	0.49	3438
	31	87.8	18	64.4	27.53	25.06	0.91	2903	25.61	23.30	0.91	3049	25.35	23.07	0.91	3080	20.91	19.03	0.91	3197	20.29	18.46	0.91	3219	18.06	16.43	0.91	3284	17.33	15.77	0.91	3317	16.47	14.98	0.91	3384
	31	87.8	20	68.0	28.10	25.01	0.89	2929	26.13	23.26	0.89	3075	25.87	23.02	0.89	3106	21.34	18.99	0.89	3223	20.70	18.42	0.89	3245	18.42	16.40	0.89	3310	17.69	15.74	0.89	3343	16.80	14.95	0.89	3410
	31	87.8	22	71.6	28.66	22.07	0.77	2947	26.65	20.52	0.77	3093	26.39	20.32	0.77	3123	21.77	16.76	0.77	3241	21.12	16.26	0.77	3263	18.79	14.47	0.77	3328	18.04	13.89	0.77	3361	17.14	13.20	0.77	3427
	31	87.8	24	75.2	28.86	18.76	0.65	2968	26.84	17.45	0.65	3113	26.57	17.27	0.65	3144	21.92	14.25	0.65	3261	21.26	13.82	0.65	3284	18.92	12.30	0.65	3349	18.17	11.81	0.65	3381	17.26	11.22	0.65	3448
	31	87.8	26	78.8	29.26	15.51	0.53	2992	27.22	14.42	0.53	3137	26.94	14.28	0.53	3168	22.23	11.78	0.53	3285	21.56	11.43	0.53	3308	19.19	10.17	0.53	3372	18.42	9.76	0.53	3405	17.50	9.28	0.53	3472
	32	89.6	18	64.4	27.81	25.31	0.91	2932	25.86	23.54	0.91	3079	25.60	23.30	0.91	3110	21.12	19.22	0.91	3229	20.49	18.65	0.91	3252	18.24	16.59	0.91	3317	17.51	15.93	0.91	3350	16.63	15.13	0.91	3417
	32	89.6	20	68.0	28.38	25.82	0.91	2959	26.39	24.02	0.91	3106	26.13	23.78	0.91	3137	21.55	19.61	0.91	3255	20.91	19.03	0.91	3278	18.61	16.93	0.91	3343	17.86	16.26	0.91	3376	16.97	15.44	0.91	3444
	32	89.6	22	71.6	28.94	23.45	0.81	2976	26.92	21.80	0.81	3124	26.65	21.59	0.81	3155	21.99	17.81	0.81	3273	21.33	17.27	0.81	3296	18.98	15.37	0.81	3361	18.22	14.76	0.81	3394	17.31	14.02	0.81	3462
	32	89.6	24	75.2	29.15	20.11	0.69	2997	27.11	18.70	0.69	3145	26.84	18.52	0.69	3176	22.14	15.28	0.69	3294	21.48	14.82	0.69	3317	19.11	13.19	0.69	3382	18.35	12.66	0.69	3415	17.43	12.03	0.69	3483
	32	89.6	26	78.8	29.56	16.85	0.57	3022	27.49	15.67	0.57	3169	27.21	15.51	0.57	3200	22.45	12.80	0.57	3318	21.78	12.41	0.57	3341	19.38	11.05	0.57	3406	18.61	10.61	0.57	3439	17.68	10.08	0.57	3507

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																																	
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
90%	21	69.8	18	64.4	25.61	15.62	0.61	2016	25.36	15.47	0.61	2035	25.09	15.30	0.61	2053	24.76	15.11	0.61	2070	24.52	14.96	0.61	2080	24.25	14.79	0.61	2150	23.92	14.59	0.61	2244	23.49	14.33	0.61	2396	22.94	14.00	0.61	2506
	21	69.8	20	68.0	26.67	13.07	0.49	2040	26.41	12.94	0.49	2058	26.12	12.80	0.49	2077	25.78	12.63	0.49	2094	25.53	12.51	0.49	2104	25.25	12.37	0.49	2173	24.90	12.20	0.49	2268	24.46	11.99	0.49	2419	23.89	11.71	0.49	2530
	22	71.6	18	64.4	26.41	17.16	0.65	2037	26.15	16.99	0.65	2055	25.86	16.81	0.65	2074	25.53	16.59	0.65	2091	25.28	16.43	0.65	2101	25.00	16.25	0.65	2171	24.66	16.03	0.65	2267	24.22	15.74	0.65	2420	23.65	15.37	0.65	2532
	22	71.6	20	68.0	27.22	14.42	0.53	2061	26.95	14.28	0.53	2079	26.65	14.13	0.53	2098	26.31	13.94	0.53	2115	26.05	13.81	0.53	2125	25.77	13.66	0.53	2195	25.41	13.47	0.53	2291	24.96	13.23	0.53	2444	24.38	12.92	0.53	2556
	22	71.6	22	71.6	27.68	11.35	0.41	2077	27.40	11.24	0.41	2095	27.11	11.11	0.41	2114	26.76	10.97	0.41	2131	26.49	10.86	0.41	2141	26.20	10.74	0.41	2211	25.84	10.60	0.41	2307	25.39	10.41	0.41	2460	24.79	10.16	0.41	2572
	23	73.4	18	64.4	26.95	18.59	0.69	2057	26.68	18.41	0.69	2076	26.39	18.21	0.69	2095	26.05	17.97	0.69	2112	25.79	17.80	0.69	2123	25.51	17.60	0.69	2193	25.16	17.36	0.69	2290	24.71	17.05	0.69	2444	24.14	16.65	0.69	2557
	23	73.4	20	68.0	27.77	15.83	0.57	2081	27.50	15.67	0.57	2100	27.20	15.50	0.57	2119	26.85	15.30	0.57	2136	26.58	15.15	0.57	2147	26.29	14.99	0.57	2217	25.93	14.78	0.57	2314	25.47	14.52	0.57	2468	24.87	14.18	0.57	2581
	23	73.4	22	71.6	28.24	12.71	0.45	2098	27.96	12.58	0.45	2116	27.66	12.45	0.45	2135	27.30	12.29	0.45	2152	27.03	12.17	0.45	2163	26.74	12.03	0.45	2234	26.37	11.87	0.45	2330	25.90	11.66	0.45	2485	25.30	11.38	0.45	2598
	24	75.2	18	64.4	27.50	20.07	0.73	2078	27.22	19.87	0.73	2097	26.93	19.66	0.73	2116	26.58	19.40	0.73	2133	26.32	19.21	0.73	2144	26.03	19.00	0.73	2215	25.67	18.74	0.73	2313	25.22	18.41	0.73	2469	24.63	17.98	0.73	2583
	24	75.2	20	68.0	28.34	17.29	0.61	2102	28.06	17.11	0.61	2121	27.75	16.93	0.61	2140	27.40	16.71	0.61	2158	27.12	16.55	0.61	2168	26.83	16.37	0.61	2240	26.46	16.14	0.61	2337	25.99	15.85	0.61	2493	25.38	15.48	0.61	2607
	24	75.2	22	71.6	28.82	14.12	0.49	2119	28.53	13.98	0.49	2138	28.22	13.83	0.49	2157	27.86	13.65	0.49	2174	27.59	13.52	0.49	2185	27.29	13.37	0.49	2256	26.91	13.19	0.49	2354	26.43	12.95	0.49	2510	25.81	12.65	0.49	2624
	24	75.2	24	75.2	29.22	10.81	0.37	2138	28.93	10.71	0.37	2157	28.62	10.59	0.37	2176	28.25	10.45	0.37	2194	27.97	10.35	0.37	2204	27.67	10.24	0.37	2276	27.29	10.10	0.37	2373	26.80	9.92	0.37	2529	26.17	9.68	0.37	2643
	25	77.0	18	64.4	28.35	21.83	0.77	2099	28.07	21.61	0.77	2118	27.76	21.38	0.77	2138	27.40	21.10	0.77	2155	27.13	20.89	0.77	2166	26.84	20.66	0.77	2238	26.47	20.38	0.77	2336	26.00	20.02	0.77	2494	25.39	19.55	0.77	2609
	25	77.0	20	68.0	29.21	18.99	0.65	2124	28.92	18.80	0.65	2143	28.61	18.60	0.65	2162	28.24	18.36	0.65	2179	27.96	18.18	0.65	2190	27.66	17.98	0.65	2262	27.28	17.73	0.65	2361	26.79	17.42	0.65	2518	26.17	17.01	0.65	2634
	25	77.0	22	71.6	29.71	15.75	0.53	2140	29.42	15.59	0.53	2159	29.10	15.42	0.53	2179	28.72	15.22	0.53	2196	28.44	15.07	0.53	2207	28.13	14.91	0.53	2279	27.74	14.70	0.53	2377	27.25	14.44	0.53	2535	26.61	14.10	0.53	2650
	25	77.0	24	75.2	30.13	12.35	0.41	2160	29.83	12.23	0.41	2179	29.50	12.10	0.41	2198	29.12	11.94	0.41	2216	28.84	11.82	0.41	2227	28.52	11.69	0.41	2298	28.13	11.53	0.41	2397	27.63	11.33	0.41	2555	26.98	11.06	0.41	2670
	26	78.8	18	64.4	29.22	23.67	0.81	2120	28.93	23.44	0.81	2140	28.62	23.18	0.81	2159	28.25	22.88	0.81	2177	27.97	22.66	0.81	2188	27.67	22.41	0.81	2260	27.29	22.10	0.81	2360	26.80	21.71	0.81	2519	26.17	21.20	0.81	2636
	26	78.8	20	68.0	30.12	20.78	0.69	2145	29.82	20.58	0.69	2164	29.49	20.35	0.69	2184	29.12	20.09	0.69	2201	28.83	19.89	0.69	2212	28.51	19.67	0.69	2285	28.12	19.40	0.69	2385	27.62	19.08	0.69	2544	26.98	18.61	0.69	2660
	26	78.8	22	71.6	30.63	17.46	0.57	2162	30.33	17.29	0.57	2181	30.00	17.10	0.57	2201	29.61	16.88	0.57	2218	29.32	16.71	0.57	2229	29.00	16.53	0.57	2302	28.60	16.30	0.57	2401	28.09	16.01	0.57	2561	27.43	15.64	0.57	2677
	26	78.8	24	75.2	31.06	13.98	0.45	2182	30.75	13.84	0.45	2201	30.42	13.69	0.45	2221	30.03	13.51	0.45	2238	29.73	13.38	0.45	2249	29.40	13.23	0.45	2322	29.00	13.05	0.45	2421	28.49	12.82	0.45	2581	27.82	12.52	0.45	2697
	26	78.8	26	78.8	31.55	10.41	0.33	2204	31.24	10.31	0.33	2224	30.90	10.20	0.33	2243	30.51	10.07	0.33	2261	30.20	9.97	0.33	2272	29.88	9.86	0.33	2344	29.46	9.72	0.33	2444	28.94	9.55	0.33	2603	28.26	9.33	0.33	2720
	27	80.6	18	64.4	29.82	25.35	0.85	2142	29.52	25.10	0.85	2161	29.20	24.82	0.85	2181	28.83	24.50	0.85	2199	28.54	24.26	0.85	2210	28.23	24.00	0.85	2283	27.84	23.67	0.85	2384	27.35	23.25	0.85	2545	26.71	22.70	0.85	2662
	27	80.6	19	66.2	30.43	24.04	0.79	2152	30.13	23.80	0.79	2171	29.80	23.54	0.79	2191	29.42	23.24	0.79	2209	29.12	23.01	0.79	2220	28.81	22.76	0.79	2293	28.41	22.44	0.79	2394	27.91	22.05	0.79	2555	27.25	21.53	0.79	2672
	27	80.6	20	68.0	30.73	22.43	0.73	2167	30.43	22.21	0.73	2186	30.10	21.97	0.73	2206	29.71	21.69	0.73	2224	29.42	21.47	0.73	2235	29.10	21.24	0.73	2308	28.69	20.95	0.73	2409	28.19	20.58	0.73	2570	27.53	20.09	0.73	2687
	27	80.6	22	71.6	31.25	19.07	0.61	2184	30.94	18.88	0.61	2203	30.61	18.67	0.61	2223	30.22	18.43	0.61	2241	29.92	18.25	0.61	2252	29.59	18.05	0.61	2325	29.18	17.80	0.61	2426	28.67	17.49	0.61	2587	27.99	17.08	0.61	2704
	27	80.6	24	75.2	31.69	15.53	0.49	2204	31.38	15.38	0.49	2223	31.04	15.21	0.49	2243	30.64	15.01	0.49	2261	30.34	14.86	0.49	2272	30.00	14.70	0.49	2345	29.59	14.50	0.49	2446	29.07	14.24	0.49	2607	28.39	13.91	0.49	2724
	27	80.6	26	78.8	32.20	11.91	0.37	2227	31.88	11.80	0.37	2246	31.53	11.67	0.37	2266	31.13	11.52	0.37	2284	30.82	11.40	0.37	2295	30.49	11.28	0.37	2368	30.06	11.12	0.37	2469	29.53	10.93	0.37	2630	28.84	10.67	0.37	2747
	28	82.4	18	64.4	30.12	26.80	0.89	2163	29.82	26.54	0.89	2183	29.49	26.25	0.89	2203	29.12	25.91	0.89	2221	28.83	25.66	0.89	2232	28.51	25.38	0.89	2306	28.12	25.03	0.89	2408	27.62	24.58	0.89	2570	26.98	24.01	0.89	2689
	28	82.4	20	68.0	30.73	23.66	0.77	2188	30.43	23.43	0.77	2208	30.10	23.17	0.77	2228	29.71	22.88	0.77	2246	29.42	22.65	0.77	2257	29.10	22.40	0.77	2331	28.69	22.09	0.77	2433	28.19	21.70	0.77	2595	27.53	21.20	0.77	2714
	28	82.4	22	71.6	31.04	20.18	0.65	2206	30.73	19.98	0.65	2225	30.40	19.76	0.65	2245	30.01	19.50	0.65	2263	29.71	19.31	0.65	2274	29.39	19.10	0.65	2348	28.98	18.84	0.65	2450	28.47	18.50	0.65	2612	27.80	18.07	0.65	2731
	28	82.4	24	75.2	31.57	16.73	0.53	2226	31.25	16.56	0.53	2246	30.91	16.38	0.53	2265	30.52	16.17	0.53	2283	30.22	16.01	0.53	2294	29.89	15.84	0.53	2369	29.47	15.62	0.53	2470	28.95	15.34	0.53	2633	28.27	14.99	0.53	2751
	28	82.4	26	78.8	32.01	13.12	0.41	2249	31.69	12.99	0.41	2269	31.35	12.85	0.41	2289	30.94	12.69	0.41	2307	30.64	12.56	0.41	2318	30.31	12.43	0.41	2392	29.89	12.25	0.41	2493	29.36	12.04	0.41	2656	28.67	11.75	0.41	2775
	29	84.2	18	64.4	30.42	27.68	0.91	2185	30.12	27.41	0.91	2205	29.79	27.11	0.91	2225	29.41	26.76	0.91	2243	29.12	26.50	0.91	2254	28.80	26.21	0.91	2329	28.40	25.85	0.91	2432	27.90	25.39	0.91	2596	27.25	24.79	0.91	2716
	29	84.2	20	68.0	31.04	25.14	0.81	2210	30.73	24.89	0.81	2230	30.40	24.62	0.81	2250	30.01	24.31	0.81	2268	29.71	24.07	0.81	2280	29.39	23.80	0.81	2355	28.98	23.47	0.81	2457	28.47	23.06	0.81	2621	27.80	22.52	0.81	2741
	29	84.2	22	71.6	31.66	21.85	0.69	2228	31.35	21.63	0.69	2248	31.01	21.39	0.69	2268	30.61	21.12	0.69	2286	30.30	20.91	0.69	2297	29.97	20.68	0.69	2372	29.56	20.40	0.69	2474	29.04	20.04	0.69	2639	28.36	19.57	0.69	2759
	29	84.2	24	75.2	31.88	18.17	0.57	2248	31.57	17.99	0.57	2268	31.22	17.80	0.57	2288	30.82	17.57	0.57	2306	30.52	17.39	0.57	2317	30.19	17.21	0.57	2392	29.77	16.97	0.57	2495	29.24	16.67	0.57	2659	28.56	16.28	0.57	2779
	29	84.2	26	78.8	32.33	14.55	0.45	2272	32.01	14.40	0.45	2291	31.66	14.25	0.45	2312	31.25	14.06	0.45	2330	30.94	13.93	0.45	2341	30.61	13.77	0.45	2416	30.19	13.58	0.45	2518	29.65	13.34	0.45	2682	28.96	13.03	0.45	2802
	30	86.0	18	64.4	30.72	27.96	0.91	2207	30.42	27.68	0.91	2227	30.09	27.38	0.91	2247	29.70	27.03	0.91	2265	29.41	26.76	0.91	2277	29.09	26.47	0.91	2352	28.69	26.10	0.91	2456	28.18	25.64	0.91	2622	27.52	25.04	0.91	2743
	30	86.0	20	68.0	31.35	26.65	0.85	2232	31.04	26.38	0.85	2253	30.70	26.10	0.85	2273	30.31	25.76	0.85	2291	30.01	25.51	0.85	2302	29.68	25.23	0.85	2378	29.27	24.88	0.85	2482	28.75	24.44	0.85	2647	28.08	23.87	0.85	2769
	30	86.0	22	71.6	31.98	23.34	0.73	2250	31.66	23.11	0.73	2270	31.32	22.86	0.73	2290	30.91	22.57	0.73	2309	30.61	22.34	0.73	2320	30.27	22.10	0.73	2396	29.86	21.80	0.73	2499	29.33	21.41	0.73	2665	28.64	20.91	0.73	2786
	30	86.0	24	75.2	32.20	19.64	0.61	2271	31.88	19.45	0.61	2291	31.54	19.24	0.61	2311	31.13	18.99	0.61	2329	30.82	18.80	0.61	2341	30.49	18.60	0.61	2416	30.07	18.34	0.61	2520	29.53	18.02	0.61	2686	28.84	17.59	0.61	2807
	30	86.0	26	78.8	32.65	16.00	0.49	2294	32.33	15.84	0.49	2314	31.98	15.67	0.49	2335	31.57	15.47	0.49	2353	31.25	15.31	0.49	2364	30.91	15.15	0.49	2440	30.49	14.94	0.49	2543	29.95	14.67	0.49	2709	29.25	14.33	0.49	2830
	31	87.8	18	64.4	31.03	28.24	0.91	2229	30.72	27.96	0.91	2249	30.39	27.65	0.91	2270	30.00	27.30	0.91	2288	29.70	27.03	0.91	2299	29.38	26.73	0.91	2376	28.97	26.36	0.91	2480	28.46	25.90	0.91	2648	27.79	25.29	0.91	2770
	31	87.8	20	68.0	31.66	28.18	0.89	2255	31.35	27.90	0.89	2275	31.01	27.60	0.89	2296	30.61	27.24	0.89	2314	30.31	26.97	0.89	2326	29.98	26.68	0.89	2402	29.56	26.31	0.89	2506	29.04	25.85	0.89	2674	28.36	25.24	0.89	2796
	31	87.8	22	71.6	32.30	24.87	0.77	2272	31.98	24.62	0.77	2293	31.63	24.35	0.77	2313	31.22	24.04	0.77	2332	30.91	23.80	0.77	2343	30.58	23.54	0.77	2420	30.16	23.22	0.77	2524	29.62	22.81	0.77	2692	28.93	22.27	0.77	2814
	31	87.8	24	75.2	32.52	21.14	0.65	2293	32.20	20.93	0.65	2314	31.85	20.70	0.65	2334	31.44	20.44	0.65	2352	31.13	20.24	0.65	2364	30.79	20.01	0.65	2440	30.37	19.74	0.65	2545	29.83	19.39	0.65	2712	29.13	18.94	0.65	2835
	31	87.8	26	78.8	32.98	17.48	0.53	2317	32.65	17.31	0.53	2337	32.30	17.12	0.53	2358	31.88	16.90	0.53	2376	31.57	16.73	0.53	2388	31.22	16.55	0.53	2464	30.79	16.32	0.53	2569	30.25	16.03	0.53	2736	29.54	15.66	0.53	2859
	32	89.6	18	64.4	31.34	28.52	0.91	2251	31.03	28.24	0.91	2272	30.69	27.93	0.91	2292	30.30	27.57	0.91	2311	30.00	27.30	0.91	2322	29.67	27.00	0.91	2400	29.26	26.63	0.91	2505	28.74	26.16	0.91	2674	28.07	25.54	0.91	2798
	32	89.6	20	68.0	31.98	29.10	0.91	2277	31.66	28.81	0.91	2298	31.32	28.50	0.91	2319	30.92	28.13	0.91	2337	30.61	27.86	0.91	2349	30.28	27.55	0.91	2426	29.86	27.17	0.91	2532	29.33	26.69	0.91	2701	28.64	26.07	0.91	2824
	32	89.6	22	71.6	32.62	26.42	0.81	2295	32.30	26.16	0.81	2316	31.94	25.88	0.81	2336	31.53	25.54	0.81	2355	31.22	25.29	0.81	2367	30.88	25.02	0.81	2444	30.46	24.67	0.81	2549	29.92	24.23	0.81	2719	29.22	23.67	0.81	2842
	32	89.6	24	75.2	32.85	22.67	0.69	2316	32.52	22.44	0.69	2337	32.17	22.20	0.69	2357	31.76	21.91	0.69	2376	31.44	21.70	0.69	2388	31.10	21.46	0.69	2465	30.67	21.16	0.69	2570	30.13	20.79	0.69	2740	29.42	20.30	0.69	2863
	32	89.6	26	78.8	33.31	18.99	0.57	2340	32.98	18.80	0.57	2361	32.62	18.59	0.57	2382	32.20	18.35	0.57	2400	31.88	18.17	0.57	2412	31.54	17.98	0.57	2489	31.10	17.73	0.57	2595	30.55	17.41	0.57	2764	29.83	17.01	0.57	2887

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
90%	21	69.8	18	64.4	22.27	13.59	0.61	2600	20.72	12.64	0.61	2731	20.51	12.51	0.61	2758	16.92	10.32	0.61	2863	16.41	10.01	0.61	2884	14.61	8.91	0.61	2941	14.02	8.55	0.61	2971	13.32	8.13	0.61	3031
	21	69.8	20	68.0	23.19	11.36	0.49	2624	21.57	10.57	0.49	2754	21.35	10.46	0.49	2782	17.62	8.63	0.49	2887	17.09	8.37	0.49	2907	15.21	7.45	0.49	2965	14.60	7.15	0.49	2994	13.87	6.80	0.49	3054
	22	71.6	18	64.4	22.96	14.93	0.65	2627	21.36	13.88	0.65	2758	21.14	13.74	0.65	2786	17.44	11.34	0.65	2892	16.92	11.00	0.65	2913	15.06	9.79	0.65	2971	14.46	9.40	0.65	3001	13.73	8.93	0.65	3061
	22	71.6	20	68.0	23.67	12.54	0.53	2650	22.01	11.67	0.53	2782	21.79	11.55	0.53	2810	17.98	9.53	0.53	2916	17.44	9.24	0.53	2936	15.52	8.23	0.53	2995	14.90	7.90	0.53	3025	14.15	7.50	0.53	3085
	22	71.6	22	71.6	24.07	9.87	0.41	2667	22.38	9.18	0.41	2798	22.16	9.09	0.41	2826	18.28	7.50	0.41	2932	17.73	7.27	0.41	2953	15.78	6.47	0.41	3011	15.15	6.21	0.41	3041	14.39	5.90	0.41	3101
	23	73.4	18	64.4	23.43	16.17	0.69	2653	21.79	15.04	0.69	2786	21.57	14.89	0.69	2814	17.80	12.28	0.69	2922	17.26	11.91	0.69	2942	15.37	10.60	0.69	3001	14.75	10.18	0.69	3031	14.01	9.67	0.69	3092
	23	73.4	20	68.0	24.15	13.77	0.57	2677	22.46	12.80	0.57	2810	22.23	12.67	0.57	2838	18.34	10.46	0.57	2946	17.79	10.14	0.57	2966	15.84	9.03	0.57	3025	15.20	8.67	0.57	3055	14.44	8.23	0.57	3116
	23	73.4	22	71.6	24.56	11.05	0.45	2694	22.84	10.28	0.45	2827	22.61	10.18	0.45	2855	18.66	8.39	0.45	2962	18.10	8.14	0.45	2982	16.11	7.25	0.45	3041	15.46	6.96	0.45	3072	14.69	6.61	0.45	3132
	24	75.2	18	64.4	23.91	17.45	0.73	2680	22.24	16.23	0.73	2814	22.01	16.07	0.73	2843	18.16	13.26	0.73	2951	17.62	12.86	0.73	2972	15.68	11.45	0.73	3031	15.05	10.99	0.73	3062	14.30	10.44	0.73	3123
	24	75.2	20	68.0	24.64	15.03	0.61	2704	22.92	13.98	0.61	2839	22.69	13.84	0.61	2867	18.72	11.42	0.61	2975	18.16	11.08	0.61	2996	16.16	9.86	0.61	3056	15.51	9.46	0.61	3086	14.74	8.99	0.61	3148
	24	75.2	22	71.6	25.06	12.28	0.49	2721	23.31	11.42	0.49	2855	23.07	11.31	0.49	2883	19.04	9.33	0.49	2992	18.46	9.05	0.49	3013	16.43	8.05	0.49	3072	15.78	7.73	0.49	3103	14.99	7.34	0.49	3164
	24	75.2	24	75.2	25.41	9.40	0.37	2740	23.63	8.74	0.37	2875	23.40	8.66	0.37	2903	19.30	7.14	0.37	3011	18.72	6.93	0.37	3032	16.66	6.17	0.37	3092	16.00	5.92	0.37	3122	15.20	5.62	0.37	3183
	25	77.0	18	64.4	24.65	18.98	0.77	2707	22.92	17.65	0.77	2843	22.70	17.48	0.77	2871	18.72	14.42	0.77	2981	18.16	13.98	0.77	3002	16.16	12.45	0.77	3062	15.52	11.95	0.77	3093	14.74	11.35	0.77	3155
	25	77.0	20	68.0	25.40	16.51	0.65	2732	23.63	15.36	0.65	2867	23.39	15.20	0.65	2896	19.30	12.54	0.65	3005	18.72	12.17	0.65	3026	16.66	10.83	0.65	3087	15.99	10.40	0.65	3117	15.19	9.88	0.65	3179
	25	77.0	22	71.6	25.84	13.69	0.53	2748	24.03	12.73	0.53	2884	23.79	12.61	0.53	2913	19.62	10.40	0.53	3022	19.04	10.09	0.53	3043	16.94	8.98	0.53	3103	16.26	8.62	0.53	3134	15.45	8.19	0.53	3196
	25	77.0	24	75.2	26.20	10.74	0.41	2768	24.36	9.99	0.41	2904	24.12	9.89	0.41	2932	19.90	8.16	0.41	3042	19.30	7.91	0.41	3063	17.18	7.04	0.41	3123	16.49	6.76	0.41	3154	15.67	6.42	0.41	3216
	26	78.8	18	64.4	25.41	20.58	0.81	2734	23.63	19.14	0.81	2872	23.40	18.95	0.81	2900	19.30	15.64	0.81	3011	18.72	15.17	0.81	3032	16.66	13.50	0.81	3093	16.00	12.96	0.81	3124	15.20	12.31	0.81	3187
	26	78.8	20	68.0	26.19	18.07	0.69	2759	24.36	16.81	0.69	2896	24.11	16.64	0.69	2925	19.89	13.73	0.69	3036	19.30	13.31	0.69	3057	17.17	11.85	0.69	3118	16.49	11.38	0.69	3149	15.66	10.81	0.69	3211
	26	78.8	22	71.6	26.64	15.18	0.57	2776	24.77	14.12	0.57	2913	24.52	13.98	0.57	2942	20.23	11.53	0.57	3053	19.62	11.19	0.57	3074	17.47	9.96	0.57	3135	16.77	9.56	0.57	3166	15.93	9.08	0.57	3228
	26	78.8	24	75.2	27.01	12.15	0.45	2796	25.12	11.30	0.45	2933	24.87	11.19	0.45	2962	20.51	9.23	0.45	3072	19.90	8.95	0.45	3094	17.71	7.97	0.45	3154	17.00	7.65	0.45	3185	16.15	7.27	0.45	3248
	26	78.8	26	78.8	27.44	9.06	0.33	2819	25.52	8.42	0.33	2956	25.26	8.34	0.33	2985	20.84	6.88	0.33	3095	20.22	6.67	0.33	3116	17.99	5.94	0.33	3177	17.27	5.70	0.33	3208	16.41	5.42	0.33	3271
	27	80.6	18	64.4	25.93	22.04	0.85	2762	24.12	20.50	0.85	2901	23.87	20.29	0.85	2930	19.70	16.74	0.85	3041	19.11	16.24	0.85	3063	17.00	14.45	0.85	3124	16.32	13.88	0.85	3156	15.51	13.18	0.85	3219
	27	80.6	19	66.2	26.46	20.90	0.79	2772	24.61	19.44	0.79	2911	24.36	19.25	0.79	2940	20.10	15.88	0.79	3051	19.50	15.40	0.79	3073	17.35	13.71	0.79	3134	16.66	13.16	0.79	3166	15.82	12.50	0.79	3229
	27	80.6	20	68.0	26.72	19.51	0.73	2787	24.85	18.14	0.73	2926	24.61	17.96	0.73	2955	20.30	14.82	0.73	3066	19.69	14.37	0.73	3088	17.52	12.79	0.73	3149	16.82	12.28	0.73	3181	15.98	11.67	0.73	3244
	27	80.6	22	71.6	27.18	16.58	0.61	2804	25.28	15.42	0.61	2943	25.02	15.26	0.61	2972	20.64	12.59	0.61	3083	20.03	12.22	0.61	3105	17.82	10.87	0.61	3166	17.11	10.44	0.61	3198	16.25	9.91	0.61	3261
	27	80.6	24	75.2	27.56	13.50	0.49	2824	25.63	12.56	0.49	2963	25.37	12.43	0.49	2992	20.93	10.26	0.49	3103	20.31	9.95	0.49	3125	18.07	8.86	0.49	3186	17.35	8.50	0.49	3218	16.48	8.08	0.49	3281
	27	80.6	26	78.8	28.00	10.36	0.37	2847	26.04	9.63	0.37	2986	25.78	9.54	0.37	3015	21.27	7.87	0.37	3126	20.63	7.63	0.37	3148	18.36	6.79	0.37	3209	17.63	6.52	0.37	3241	16.75	6.20	0.37	3304
	28	82.4	18	64.4	26.19	23.31	0.89	2790	24.36	21.68	0.89	2930	24.11	21.46	0.89	2959	19.89	17.71	0.89	3072	19.30	17.17	0.89	3093	17.17	15.28	0.89	3155	16.49	14.67	0.89	3187	15.66	13.94	0.89	3251
	28	82.4	20	68.0	26.72	20.58	0.77	2815	24.85	19.14	0.77	2955	24.61	18.95	0.77	2984	20.30	15.63	0.77	3097	19.69	15.16	0.77	3119	17.52	13.49	0.77	3181	16.82	12.95	0.77	3212	15.98	12.31	0.77	3276
	28	82.4	22	71.6	26.99	17.54	0.65	2832	25.10	16.32	0.65	2972	24.85	16.15	0.65	3001	20.50	13.33	0.65	3114	19.89	12.93	0.65	3136	17.70	11.50	0.65	3198	16.99	11.04	0.65	3230	16.14	10.49	0.65	3293
	28	82.4	24	75.2	27.45	14.55	0.53	2852	25.53	13.53	0.53	2992	25.27	13.40	0.53	3022	20.85	11.05	0.53	3134	20.23	10.72	0.53	3156	18.00	9.54	0.53	3218	17.28	9.16	0.53	3250	16.42	8.70	0.53	3314
	28	82.4	26	78.8	27.84	11.41	0.41	2875	25.89	10.61	0.41	3015	25.63	10.51	0.41	3045	21.14	8.67	0.41	3158	20.51	8.41	0.41	3179	18.25	7.48	0.41	3241	17.52	7.18	0.41	3273	16.65	6.83	0.41	3337
	29	84.2	18	64.4	26.45	24.07	0.91	2818	24.60	22.39	0.91	2959	24.35	22.16	0.91	2989	20.09	18.28	0.91	3103	19.49	17.74	0.91	3124	17.35	15.78	0.91	3187	16.65	15.15	0.91	3219	15.82	14.40	0.91	3284
	29	84.2	20	68.0	26.99	21.86	0.81	2843	25.10	20.33	0.81	2984	24.85	20.13	0.81	3014	20.50	16.61	0.81	3128	19.89	16.11	0.81	3150	17.70	14.34	0.81	3213	16.99	13.76	0.81	3245	16.14	13.08	0.81	3309
	29	84.2	22	71.6	27.53	19.00	0.69	2860	25.60	17.67	0.69	3002	25.35	17.49	0.69	3031	20.91	14.43	0.69	3145	20.29	14.00	0.69	3167	18.05	12.46	0.69	3230	17.33	11.96	0.69	3262	16.46	11.36	0.69	3326
	29	84.2	24	75.2	27.73	15.80	0.57	2881	25.78	14.70	0.57	3022	25.53	14.55	0.57	3052	21.06	12.00	0.57	3166	20.43	11.64	0.57	3188	18.18	10.36	0.57	3250	17.45	9.95	0.57	3282	16.58	9.45	0.57	3347
	29	84.2	26	78.8	28.11	12.65	0.45	2904	26.15	11.77	0.45	3046	25.88	11.65	0.45	3075	21.35	9.61	0.45	3189	20.71	9.32	0.45	3211	18.44	8.30	0.45	3274	17.70	7.96	0.45	3306	16.81	7.57	0.45	3370
	30	86.0	18	64.4	26.72	24.31	0.91	2846	24.85	22.61	0.91	2988	24.60	22.38	0.91	3018	20.29	18.47	0.91	3134	19.68	17.91	0.91	3156	17.52	15.94	0.91	3219	16.82	15.30	0.91	3251	15.98	14.54	0.91	3316
	30	86.0	20	68.0	27.26	23.17	0.85	2871	25.35	21.55	0.85	3014	25.10	21.33	0.85	3044	20.71	17.60	0.85	3159	20.09	17.07	0.85	3181	17.88	15.20	0.85	3245	17.16	14.59	0.85	3277	16.30	13.86	0.85	3342
	30	86.0	22	71.6	27.81	20.30	0.73	2889	25.86	18.88	0.73	3032	25.60	18.69	0.73	3062	21.12	15.42	0.73	3177	20.49	14.96	0.73	3199	18.23	13.31	0.73	3262	17.50	12.78	0.73	3294	16.63	12.14	0.73	3360
	30	86.0	24	75.2	28.00	17.08	0.61	2910	26.04	15.89	0.61	3052	25.78	15.73	0.61	3082	21.27	12.97	0.61	3197	20.63	12.59	0.61	3219	18.36	11.20	0.61	3283	17.63	10.75	0.61	3315	16.75	10.22	0.61	3380
	30	86.0	26	78.8	28.39	13.91	0.49	2933	26.41	12.94	0.49	3076	26.14	12.81	0.49	3106	21.57	10.57	0.49	3221	20.92	10.25	0.49	3243	18.62	9.12	0.49	3306	17.87	8.76	0.49	3339	16.98	8.32	0.49	3404
	31	87.8	18	64.4	26.98	24.56	0.91	2874	25.09	22.84	0.91	3018	24.84	22.61	0.91	3049	20.50	18.65	0.91	3165	19.88	18.09	0.91	3187	17.69	16.10	0.91	3251	16.99	15.46	0.91	3284	16.14	14.68	0.91	3350
	31	87.8	20	68.0	27.53	24.51	0.89	2900	25.61	22.79	0.89	3044	25.35	22.56	0.89	3075	20.91	18.61	0.89	3191	20.29	18.06	0.89	3213	18.06	16.07	0.89	3277	17.33	15.43	0.89	3310	16.47	14.66	0.89	3376
	31	87.8	22	71.6	28.09	21.63	0.77	2918	26.12	20.11	0.77	3062	25.86	19.91	0.77	3092	21.33	16.43	0.77	3209	20.69	15.93	0.77	3231	18.42	14.18	0.77	3295	17.68	13.61	0.77	3327	16.80	12.93	0.77	3393
	31	87.8	24	75.2	28.28	18.38	0.65	2939	26.30	17.10	0.65	3083	26.04	16.93	0.65	3113	21.48	13.96	0.65	3229	20.84	13.54	0.65	3252	18.55	12.05	0.65	3316	17.80	11.57	0.65	3348	16.91	10.99	0.65	3414
	31	87.8	26	78.8	28.68	15.20	0.53	2963	26.67	14.14	0.53	3107	26.40	13.99	0.53	3137	21.78	11.55	0.53	3253	21.13	11.20	0.53	3276	18.81	9.97	0.53	3340	18.05	9.57	0.53	3372	17.15	9.09	0.53	3438
	32	89.6	18	64.4	27.25	24.80	0.91	2903	25.35	23.06	0.91	3049	25.09	22.83	0.91	3079	20.70	18.84	0.91	3197	20.08	18.27	0.91	3219	17.87	16.26	0.91	3284	17.16	15.61	0.91	3317	16.30	14.83	0.91	3383
	32	89.6	20	68.0	27.81	25.31	0.91	2929	25.86	23.54	0.91	3075	25.60	23.30	0.91	3105	21.12	19.22	0.91	3223	20.49	18.65	0.91	3245	18.24	16.59	0.91	3310	17.51	15.93	0.91	3343	16.63	15.13	0.91	3409
	32	89.6	22	71.6	28.37	22.98	0.81	2947	26.38	21.37	0.81	3093	26.12	21.15	0.81	3123	21.55	17.45	0.81	3241	20.90	16.93	0.81	3263	18.60	15.07	0.81	3328	17.86	14.46	0.81	3361	16.96	13.74	0.81	3427
	32	89.6	24	75.2	28.57	19.71	0.69	2968	26.57	18.33	0.69	3114	26.30	18.15	0.69	3144	21.70	14.97	0.69	3262	21.05	14.52	0.69	3284	18.73	12.92	0.69	3349	17.98	12.41	0.69	3382	17.08	11.79	0.69	3448
	32	89.6	26	78.8	28.97	16.51	0.57	2992	26.94	15.35	0.57	3138	26.67	15.20	0.57	3168	22.00	12.54	0.57	3286	21.34	12.16	0.57	3308	18.99	10.83	0.57	3373	18.23	10.39	0.57	3406	17.32	9.87	0.57	3472

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
80%	21	69.8	18	64.4	24.83	15.15	0.61	1996	24.58	15.00	0.61	2014	24.32	14.83	0.61	2033	24.01	14.64	0.61	2049	23.77	14.50	0.61	2059	23.51	14.34	0.61	2128	23.18	14.14	0.61	2221	22.77	13.89	0.61	2371	22.24	13.57	0.61	2481
	21	69.8	20	68.0	25.85	12.67	0.49	2019	25.60	12.54	0.49	2038	25.32	12.41	0.49	2056	24.99	12.25	0.49	2073	24.75	12.13	0.49	2083	24.48	11.99	0.49	2151	24.14	11.83	0.49	2245	23.71	11.62	0.49	2395	23.16	11.35	0.49	2505
	22	71.6	18	64.4	25.60	16.64	0.65	2016	25.34	16.47	0.65	2035	25.07	16.29	0.65	2053	24.75	16.09	0.65	2070	24.50	15.93	0.65	2080	24.24	15.75	0.65	2149	23.90	15.54	0.65	2244	23.48	15.26	0.65	2395	22.93	14.90	0.65	2506
	22	71.6	20	68.0	26.38	13.98	0.53	2040	26.12	13.84	0.53	2058	25.84	13.69	0.53	2077	25.51	13.52	0.53	2093	25.25	13.38	0.53	2104	24.98	13.24	0.53	2173	24.63	13.06	0.53	2268	24.20	12.82	0.53	2419	23.63	12.52	0.53	2530
	22	71.6	22	71.6	26.83	11.00	0.41	2056	26.56	10.89	0.41	2074	26.28	10.77	0.41	2093	25.94	10.63	0.41	2110	25.68	10.53	0.41	2120	25.40	10.41	0.41	2189	25.05	10.27	0.41	2284	24.61	10.09	0.41	2435	24.03	9.85	0.41	2546
	23	73.4	18	64.4	26.12	18.02	0.69	2036	25.86	17.84	0.69	2055	25.58	17.65	0.69	2074	25.25	17.42	0.69	2091	25.00	17.25	0.69	2101	24.73	17.06	0.69	2171	24.39	16.83	0.69	2267	23.96	16.53	0.69	2420	23.40	16.14	0.69	2531
	23	73.4	20	68.0	26.92	15.34	0.57	2060	26.65	15.19	0.57	2079	26.36	15.03	0.57	2098	26.03	14.83	0.57	2115	25.77	14.69	0.57	2125	25.49	14.53	0.57	2195	25.14	14.33	0.57	2291	24.69	14.07	0.57	2444	24.11	13.74	0.57	2555
	23	73.4	22	71.6	27.38	12.32	0.45	2077	27.11	12.20	0.45	2095	26.81	12.07	0.45	2114	26.47	11.91	0.45	2131	26.21	11.79	0.45	2142	25.92	11.66	0.45	2211	25.56	11.50	0.45	2307	25.11	11.30	0.45	2460	24.52	11.04	0.45	2572
	24	75.2	18	64.4	26.65	19.46	0.73	2057	26.39	19.26	0.73	2076	26.10	19.06	0.73	2095	25.77	18.81	0.73	2112	25.51	18.62	0.73	2122	25.24	18.42	0.73	2193	24.89	18.17	0.73	2289	24.45	17.85	0.73	2444	23.87	17.43	0.73	2557
	24	75.2	20	68.0	27.47	16.76	0.61	2081	27.20	16.59	0.61	2100	26.90	16.41	0.61	2119	26.56	16.20	0.61	2136	26.29	16.04	0.61	2147	26.01	15.86	0.61	2217	25.65	15.65	0.61	2314	25.20	15.37	0.61	2468	24.60	15.01	0.61	2581
	24	75.2	22	71.6	27.94	13.69	0.49	2098	27.66	13.55	0.49	2117	27.36	13.41	0.49	2136	27.01	13.23	0.49	2152	26.74	13.10	0.49	2163	26.45	12.96	0.49	2234	26.08	12.78	0.49	2330	25.62	12.56	0.49	2485	25.02	12.26	0.49	2598
	24	75.2	24	75.2	28.33	10.48	0.37	2117	28.05	10.38	0.37	2136	27.74	10.26	0.37	2155	27.39	10.13	0.37	2172	27.12	10.03	0.37	2183	26.82	9.92	0.37	2253	26.45	9.79	0.37	2350	25.98	9.61	0.37	2504	25.37	9.39	0.37	2617
	25	77.0	18	64.4	27.48	21.16	0.77	2078	27.21	20.95	0.77	2097	26.91	20.72	0.77	2116	26.56	20.45	0.77	2133	26.30	20.25	0.77	2144	26.02	20.03	0.77	2215	25.66	19.76	0.77	2313	25.20	19.41	0.77	2469	24.61	18.95	0.77	2583
	25	77.0	20	68.0	28.32	18.41	0.65	2102	28.04	18.23	0.65	2121	27.73	18.03	0.65	2140	27.38	17.80	0.65	2158	27.11	17.62	0.65	2168	26.81	17.43	0.65	2240	26.44	17.19	0.65	2337	25.97	16.88	0.65	2493	25.37	16.49	0.65	2607
	25	77.0	22	71.6	28.80	15.26	0.53	2119	28.52	15.11	0.53	2138	28.21	14.95	0.53	2157	27.84	14.76	0.53	2174	27.57	14.61	0.53	2185	27.27	14.45	0.53	2256	26.89	14.25	0.53	2354	26.42	14.00	0.53	2510	25.80	13.67	0.53	2624
	25	77.0	24	75.2	29.20	11.97	0.41	2139	28.91	11.86	0.41	2158	28.60	11.73	0.41	2177	28.23	11.58	0.41	2194	27.95	11.46	0.41	2205	27.65	11.34	0.41	2276	27.27	11.18	0.41	2373	26.79	10.98	0.41	2529	26.16	10.72	0.41	2644
	26	78.8	18	64.4	28.33	22.95	0.81	2099	28.05	22.72	0.81	2118	27.74	22.47	0.81	2137	27.39	22.18	0.81	2155	27.12	21.96	0.81	2165	26.82	21.72	0.81	2237	26.45	21.42	0.81	2336	25.98	21.05	0.81	2494	25.37	20.55	0.81	2609
	26	78.8	20	68.0	29.20	20.14	0.69	2124	28.91	19.95	0.69	2143	28.59	19.73	0.69	2162	28.22	19.48	0.69	2179	27.95	19.28	0.69	2190	27.64	19.07	0.69	2262	27.26	18.81	0.69	2361	26.78	18.48	0.69	2518	26.15	18.04	0.69	2634
	26	78.8	22	71.6	29.69	16.92	0.57	2140	29.40	16.76	0.57	2160	29.08	16.57	0.57	2179	28.70	16.36	0.57	2196	28.42	16.20	0.57	2207	28.11	16.02	0.57	2279	27.72	15.80	0.57	2377	27.23	15.52	0.57	2535	26.59	15.16	0.57	2650
	26	78.8	24	75.2	30.11	13.55	0.45	2160	29.81	13.41	0.45	2179	29.48	13.27	0.45	2199	29.11	13.10	0.45	2216	28.82	12.97	0.45	2227	28.50	12.83	0.45	2299	28.11	12.65	0.45	2397	27.61	12.43	0.45	2555	26.97	12.14	0.45	2670
	26	78.8	26	78.8	30.59	10.09	0.33	2183	30.29	9.99	0.33	2202	29.96	9.89	0.33	2221	29.57	9.76	0.33	2239	29.28	9.66	0.33	2250	28.96	9.56	0.33	2322	28.56	9.43	0.33	2420	28.06	9.26	0.33	2578	27.40	9.04	0.33	2693
	27	80.6	18	64.4	28.91	24.57	0.85	2120	28.62	24.33	0.85	2139	28.31	24.06	0.85	2159	27.95	23.75	0.85	2176	27.67	23.52	0.85	2187	27.37	23.26	0.85	2260	26.99	22.94	0.85	2360	26.51	22.54	0.85	2519	25.89	22.01	0.85	2635
	27	80.6	19	66.2	29.50	23.30	0.79	2130	29.20	23.07	0.79	2149	28.89	22.82	0.79	2169	28.52	22.53	0.79	2186	28.23	22.30	0.79	2197	27.93	22.06	0.79	2270	27.54	21.76	0.79	2370	27.05	21.37	0.79	2529	26.42	20.87	0.79	2645
	27	80.6	20	68.0	29.79	21.75	0.73	2145	29.50	21.53	0.73	2164	29.18	21.30	0.73	2184	28.80	21.02	0.73	2201	28.52	20.82	0.73	2212	28.21	20.59	0.73	2285	27.82	20.31	0.73	2385	27.32	19.95	0.73	2544	26.68	19.48	0.73	2660
	27	80.6	22	71.6	30.30	18.48	0.61	2162	30.00	18.30	0.61	2181	29.67	18.10	0.61	2201	29.29	17.87	0.61	2218	29.00	17.69	0.61	2229	28.68	17.50	0.61	2302	28.29	17.26	0.61	2402	27.79	16.95	0.61	2561	27.14	16.55	0.61	2677
	27	80.6	24	75.2	30.72	15.05	0.49	2182	30.42	14.90	0.49	2201	30.09	14.74	0.49	2221	29.70	14.55	0.49	2238	29.41	14.41	0.49	2249	29.09	14.25	0.49	2322	28.68	14.06	0.49	2422	28.18	13.81	0.49	2581	27.52	13.48	0.49	2697
	27	80.6	26	78.8	31.21	11.55	0.37	2205	30.90	11.43	0.37	2224	30.57	11.31	0.37	2244	30.18	11.16	0.37	2261	29.88	11.05	0.37	2272	29.55	10.93	0.37	2345	29.14	10.78	0.37	2445	28.63	10.59	0.37	2604	27.96	10.34	0.37	2720
	28	82.4	18	64.4	29.20	25.98	0.89	2141	28.91	25.73	0.89	2161	28.59	25.45	0.89	2180	28.22	25.12	0.89	2198	27.95	24.87	0.89	2209	27.64	24.60	0.89	2283	27.26	24.26	0.89	2383	26.78	23.83	0.89	2544	26.15	23.27	0.89	2662
	28	82.4	20	68.0	29.79	22.94	0.77	2166	29.50	22.71	0.77	2186	29.18	22.46	0.77	2206	28.80	22.18	0.77	2223	28.52	21.96	0.77	2234	28.21	21.72	0.77	2308	27.82	21.42	0.77	2408	27.32	21.04	0.77	2569	26.68	20.55	0.77	2687
	28	82.4	22	71.6	30.09	19.56	0.65	2184	29.79	19.36	0.65	2203	29.47	19.15	0.65	2223	29.09	18.91	0.65	2241	28.80	18.72	0.65	2252	28.49	18.52	0.65	2325	28.09	18.26	0.65	2426	27.60	17.94	0.65	2586	26.95	17.52	0.65	2704
	28	82.4	24	75.2	30.60	16.22	0.53	2204	30.30	16.06	0.53	2223	29.97	15.88	0.53	2243	29.58	15.68	0.53	2261	29.29	15.52	0.53	2272	28.97	15.36	0.53	2345	28.57	15.14	0.53	2446	28.07	14.88	0.53	2607	27.41	14.53	0.53	2724
	28	82.4	26	78.8	31.03	12.72	0.41	2227	30.72	12.60	0.41	2247	30.39	12.46	0.41	2266	30.00	12.30	0.41	2284	29.70	12.18	0.41	2295	29.38	12.04	0.41	2368	28.97	11.88	0.41	2469	28.46	11.67	0.41	2630	27.79	11.39	0.41	2747
	29	84.2	18	64.4	29.49	26.83	0.91	2163	29.20	26.57	0.91	2182	28.88	26.28	0.91	2202	28.51	25.94	0.91	2220	28.22	25.68	0.91	2231	27.92	25.41	0.91	2305	27.53	25.05	0.91	2407	27.05	24.61	0.91	2569	26.41	24.03	0.91	2688
	29	84.2	20	68.0	30.09	24.37	0.81	2188	29.79	24.13	0.81	2208	29.47	23.87	0.81	2228	29.09	23.56	0.81	2246	28.80	23.33	0.81	2257	28.49	23.07	0.81	2331	28.09	22.76	0.81	2432	27.60	22.35	0.81	2595	26.95	21.83	0.81	2714
	29	84.2	22	71.6	30.69	21.18	0.69	2205	30.39	20.97	0.69	2225	30.06	20.74	0.69	2245	29.67	20.47	0.69	2263	29.38	20.27	0.69	2274	29.06	20.05	0.69	2348	28.66	19.77	0.69	2450	28.15	19.42	0.69	2612	27.49	18.97	0.69	2731
	29	84.2	24	75.2	30.91	17.62	0.57	2226	30.60	17.44	0.57	2246	30.27	17.25	0.57	2266	29.88	17.03	0.57	2283	29.58	16.86	0.57	2295	29.26	16.68	0.57	2369	28.86	16.45	0.57	2470	28.35	16.16	0.57	2633	27.68	15.78	0.57	2751
	29	84.2	26	78.8	31.34	14.10	0.45	2249	31.03	13.96	0.45	2269	30.69	13.81	0.45	2289	30.30	13.63	0.45	2307	30.00	13.50	0.45	2318	29.67	13.35	0.45	2392	29.26	13.17	0.45	2494	28.74	12.93	0.45	2656	28.07	12.63	0.45	2775
	30	86.0	18	64.4	29.78	27.10	0.91	2184	29.49	26.83	0.91	2204	29.17	26.54	0.91	2224	28.79	26.20	0.91	2242	28.51	25.94	0.91	2254	28.20	25.66	0.91	2328	27.81	25.30	0.91	2431	27.32	24.86	0.91	2595	26.68	24.27	0.91	2715
	30	86.0	20	68.0	30.39	25.83	0.85	2210	30.09	25.58	0.85	2230	29.76	25.30	0.85	2250	29.38	24.97	0.85	2268	29.09	24.73	0.85	2279	28.77	24.46	0.85	2354	28.38	24.12	0.85	2457	27.87	23.69	0.85	2621	27.22	23.14	0.85	2741
	30	86.0	22	71.6	31.00	22.63	0.73	2228	30.69	22.40	0.73	2247	30.36	22.16	0.73	2268	29.97	21.88	0.73	2286	29.67	21.66	0.73	2297	29.35	21.42	0.73	2372	28.94	21.13	0.73	2474	28.43	20.75	0.73	2638	27.76	20.27	0.73	2758
	30	86.0	24	75.2	31.22	19.04	0.61	2248	30.91	18.85	0.61	2268	30.57	18.65	0.61	2288	30.18	18.41	0.61	2306	29.88	18.23	0.61	2318	29.55	18.03	0.61	2392	29.15	17.78	0.61	2495	28.63	17.46	0.61	2659	27.96	17.06	0.61	2779
	30	86.0	26	78.8	31.65	15.51	0.49	2272	31.34	15.36	0.49	2292	31.00	15.19	0.49	2312	30.60	14.99	0.49	2330	30.30	14.85	0.49	2341	29.97	14.68	0.49	2416	29.55	14.48	0.49	2519	29.03	14.23	0.49	2683	28.35	13.89	0.49	2803
	31	87.8	18	64.4	30.08	27.37	0.91	2206	29.78	27.10	0.91	2226	29.46	26.81	0.91	2247	29.08	26.46	0.91	2265	28.79	26.20	0.91	2276	28.48	25.92	0.91	2352	28.09	25.56	0.91	2455	27.59	25.11	0.91	2621	26.94	24.52	0.91	2742
	31	87.8	20	68.0	30.69	27.32	0.89	2232	30.39	27.05	0.89	2252	30.06	26.75	0.89	2273	29.67	26.41	0.89	2291	29.38	26.15	0.89	2302	29.06	25.86	0.89	2378	28.66	25.51	0.89	2481	28.15	25.06	0.89	2647	27.49	24.47	0.89	2768
	31	87.8	22	71.6	31.31	24.11	0.77	2250	31.00	23.87	0.77	2270	30.66	23.61	0.77	2290	30.27	23.31	0.77	2308	29.97	23.07	0.77	2320	29.64	22.82	0.77	2395	29.23	22.51	0.77	2499	28.72	22.11	0.77	2665	28.04	21.59	0.77	2786
	31	87.8	24	75.2	31.53	20.49	0.65	2271	31.22	20.29	0.65	2291	30.88	20.07	0.65	2311	30.48	19.81	0.65	2329	30.18	19.62	0.65	2341	29.85	19.40	0.65	2416	29.44	19.13	0.65	2520	28.92	18.80	0.65	2686	28.24	18.36	0.65	2807
	31	87.8	26	78.8	31.97	16.94	0.53	2295	31.65	16.78	0.53	2315	31.31	16.59	0.53	2335	30.91	16.38	0.53	2353	30.60	16.22	0.53	2365	30.27	16.04	0.53	2440	29.85	15.82	0.53	2544	29.32	15.54	0.53	2710	28.63	15.18	0.53	2831
	32	89.6	18	64.4	30.38	27.65	0.91	2228	30.08	27.37	0.91	2248	29.75	27.07	0.91	2269	29.37	26.73	0.91	2287	29.08	26.46	0.91	2299	28.76	26.17	0.91	2375	28.37	25.81	0.91	2480	27.86	25.36	0.91	2647	27.21	24.76	0.91	2770
	32	89.6	20	68.0	31.00	28.21	0.91	2254	30.69	27.93	0.91	2275	30.36	27.63	0.91	2295	29.97	27.27	0.91	2314	29.67	27.00	0.91	2325	29.35	26.71	0.91	2402	28.95	26.34	0.91	2506	28.43	25.87	0.91	2674	27.77	25.27	0.91	2796
	32	89.6	22	71.6	31.62	25.61	0.81	2272	31.31	25.36	0.81	2293	30.97	25.08	0.81	2313	30.57	24.76	0.81	2332	30.27	24.52	0.81	2343	29.94	24.25	0.81	2419	29.52	23.91	0.81	2524	29.00	23.49	0.81	2691	28.32	22.94	0.81	2814
	32	89.6	24	75.2	31.84	21.97	0.69	2293	31.53	21.75	0.69	2314	31.18	21.52	0.69	2334	30.78	21.24	0.69	2353	30.48	21.03	0.69	2364	30.15	20.80	0.69	2440	29.73	20.51	0.69	2545	29.21	20.15	0.69	2712	28.52	19.68	0.69	2835
	32	89.6	26	78.8	32.29	18.40	0.57	2317	31.97	18.22	0.57	2338	31.62	18.02	0.57	2358	31.22	17.79	0.57	2377	30.91	17.62	0.57	2388	30.57	17.42	0.57	2465	30.15	17.18	0.57	2569	29.61	16.88	0.57	2737	28.92	16.48	0.57	2859

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
80%	21	69.8	18	64.4	21.59	13.17	0.61	2574	20.08	12.25	0.61	2703	19.88	12.13	0.61	2730	16.40	10.00	0.61	2834	15.91	9.70	0.61	2854	14.16	8.64	0.61	2912	13.59	8.29	0.61	2941	12.91	7.88	0.61	3000
	21	69.8	20	68.0	22.48	11.02	0.49	2598	20.91	10.25	0.49	2727	20.70	10.14	0.49	2754	17.08	8.37	0.49	2858	16.57	8.12	0.49	2878	14.74	7.22	0.49	2935	14.15	6.94	0.49	2964	13.45	6.59	0.49	3023
	22	71.6	18	64.4	22.26	14.47	0.65	2600	20.70	13.46	0.65	2730	20.50	13.32	0.65	2758	16.91	10.99	0.65	2863	16.40	10.66	0.65	2883	14.60	9.49	0.65	2941	14.01	9.11	0.65	2971	13.31	8.65	0.65	3030
	22	71.6	20	68.0	22.94	12.16	0.53	2624	21.34	11.31	0.53	2754	21.12	11.20	0.53	2782	17.43	9.24	0.53	2887	16.90	8.96	0.53	2907	15.04	7.97	0.53	2965	14.44	7.65	0.53	2994	13.72	7.27	0.53	3054
	22	71.6	22	71.6	23.33	9.57	0.41	2640	21.70	8.90	0.41	2770	21.48	8.81	0.41	2798	17.72	7.27	0.41	2903	17.19	7.05	0.41	2923	15.30	6.27	0.41	2981	14.69	6.02	0.41	3010	13.95	5.72	0.41	3070
	23	73.4	18	64.4	22.71	15.67	0.69	2626	21.12	14.58	0.69	2758	20.91	14.43	0.69	2786	17.25	11.91	0.69	2892	16.74	11.55	0.69	2912	14.90	10.28	0.69	2971	14.30	9.87	0.69	3001	13.58	9.37	0.69	3061
	23	73.4	20	68.0	23.41	13.34	0.57	2650	21.77	12.41	0.57	2782	21.55	12.29	0.57	2810	17.78	10.14	0.57	2916	17.25	9.83	0.57	2936	15.35	8.75	0.57	2995	14.74	8.40	0.57	3025	14.00	7.98	0.57	3085
	23	73.4	22	71.6	23.81	10.71	0.45	2667	22.14	9.96	0.45	2798	21.92	9.86	0.45	2826	18.08	8.14	0.45	2932	17.54	7.89	0.45	2953	15.61	7.03	0.45	3011	14.99	6.74	0.45	3041	14.24	6.41	0.45	3101
	24	75.2	18	64.4	23.18	16.92	0.73	2653	21.56	15.74	0.73	2786	21.34	15.58	0.73	2814	17.61	12.85	0.73	2921	17.08	12.47	0.73	2942	15.20	11.10	0.73	3001	14.59	10.65	0.73	3031	13.86	10.12	0.73	3092
	24	75.2	20	68.0	23.89	14.57	0.61	2677	22.22	13.55	0.61	2810	21.99	13.42	0.61	2838	18.14	11.07	0.61	2945	17.60	10.74	0.61	2966	15.66	9.56	0.61	3025	15.04	9.17	0.61	3055	14.29	8.71	0.61	3116
	24	75.2	22	71.6	24.29	11.90	0.49	2694	22.59	11.07	0.49	2827	22.37	10.96	0.49	2855	18.45	9.04	0.49	2962	17.90	8.77	0.49	2982	15.93	7.81	0.49	3041	15.29	7.49	0.49	3072	14.53	7.12	0.49	3132
	24	75.2	24	75.2	24.63	9.11	0.37	2713	22.91	8.48	0.37	2846	22.68	8.39	0.37	2874	18.71	6.92	0.37	2981	18.15	6.72	0.37	3002	16.15	5.98	0.37	3061	15.51	5.74	0.37	3091	14.73	5.45	0.37	3152
	25	77.0	18	64.4	23.90	18.40	0.77	2680	22.22	17.11	0.77	2814	22.00	16.94	0.77	2842	18.15	13.98	0.77	2951	17.61	13.56	0.77	2971	15.67	12.07	0.77	3031	15.04	11.58	0.77	3061	14.29	11.00	0.77	3123
	25	77.0	20	68.0	24.63	16.01	0.65	2704	22.90	14.89	0.65	2839	22.67	14.74	0.65	2867	18.71	12.16	0.65	2975	18.14	11.79	0.65	2996	16.15	10.50	0.65	3056	15.50	10.08	0.65	3086	14.73	9.57	0.65	3147
	25	77.0	22	71.6	25.05	13.27	0.53	2721	23.29	12.34	0.53	2855	23.06	12.22	0.53	2883	19.02	10.08	0.53	2992	18.45	9.78	0.53	3013	16.42	8.70	0.53	3072	15.77	8.36	0.53	3103	14.98	7.94	0.53	3164
	25	77.0	24	75.2	25.40	10.41	0.41	2740	23.62	9.68	0.41	2875	23.38	9.59	0.41	2903	19.29	7.91	0.41	3011	18.71	7.67	0.41	3032	16.65	6.83	0.41	3092	15.99	6.55	0.41	3122	15.19	6.23	0.41	3184
	26	78.8	18	64.4	24.63	19.95	0.81	2707	22.91	18.56	0.81	2842	22.68	18.37	0.81	2871	18.71	15.16	0.81	2980	18.15	14.70	0.81	3001	16.15	13.08	0.81	3062	15.51	12.56	0.81	3092	14.73	11.93	0.81	3154
	26	78.8	20	68.0	25.39	17.52	0.69	2731	23.61	16.29	0.69	2867	23.38	16.13	0.69	2896	19.28	13.31	0.69	3005	18.71	12.91	0.69	3026	16.65	11.49	0.69	3086	15.98	11.03	0.69	3117	15.18	10.48	0.69	3179
	26	78.8	22	71.6	25.82	14.72	0.57	2748	24.01	13.69	0.57	2884	23.77	13.55	0.57	2913	19.61	11.18	0.57	3022	19.02	10.84	0.57	3043	16.93	9.65	0.57	3103	16.25	9.26	0.57	3134	15.44	8.80	0.57	3196
	26	78.8	24	75.2	26.18	11.78	0.45	2768	24.35	10.96	0.45	2904	24.11	10.85	0.45	2932	19.89	8.95	0.45	3042	19.29	8.68	0.45	3063	17.17	7.73	0.45	3123	16.48	7.42	0.45	3154	15.66	7.05	0.45	3216
	26	78.8	26	78.8	26.60	8.78	0.33	2791	24.74	8.16	0.33	2927	24.49	8.08	0.33	2955	20.21	6.67	0.33	3065	19.60	6.47	0.33	3086	17.44	5.76	0.33	3146	16.75	5.53	0.33	3177	15.91	5.25	0.33	3239
	27	80.6	18	64.4	25.14	21.37	0.85	2734	23.38	19.87	0.85	2871	23.14	19.67	0.85	2900	19.09	16.23	0.85	3011	18.52	15.74	0.85	3032	16.48	14.01	0.85	3093	15.82	13.45	0.85	3124	15.03	12.78	0.85	3186
	27	80.6	19	66.2	25.65	20.26	0.79	2744	23.85	18.85	0.79	2881	23.62	18.66	0.79	2910	19.48	15.39	0.79	3021	18.90	14.93	0.79	3042	16.82	13.29	0.79	3103	16.15	12.76	0.79	3134	15.34	12.12	0.79	3196
	27	80.6	20	68.0	25.91	18.91	0.73	2759	24.09	17.59	0.73	2896	23.85	17.41	0.73	2925	19.68	14.36	0.73	3036	19.09	13.93	0.73	3057	16.99	12.40	0.73	3118	16.31	11.91	0.73	3149	15.49	11.31	0.73	3211
	27	80.6	22	71.6	26.35	16.07	0.61	2776	24.50	14.95	0.61	2913	24.26	14.80	0.61	2942	20.01	12.21	0.61	3053	19.41	11.84	0.61	3074	17.28	10.54	0.61	3135	16.59	10.12	0.61	3166	15.76	9.61	0.61	3228
	27	80.6	24	75.2	26.72	13.09	0.49	2796	24.85	12.17	0.49	2933	24.60	12.05	0.49	2962	20.29	9.94	0.49	3073	19.68	9.65	0.49	3094	17.52	8.58	0.49	3155	16.82	8.24	0.49	3186	15.98	7.83	0.49	3248
	27	80.6	26	78.8	27.14	10.04	0.37	2819	25.24	9.34	0.37	2956	24.99	9.25	0.37	2985	20.62	7.63	0.37	3096	20.00	7.40	0.37	3117	17.80	6.59	0.37	3178	17.09	6.32	0.37	3209	16.23	6.01	0.37	3271
	28	82.4	18	64.4	25.39	22.60	0.89	2761	23.61	21.01	0.89	2900	23.38	20.80	0.89	2929	19.28	17.16	0.89	3041	18.71	16.65	0.89	3062	16.65	14.82	0.89	3123	15.98	14.22	0.89	3155	15.18	13.51	0.89	3218
	28	82.4	20	68.0	25.91	19.95	0.77	2787	24.09	18.55	0.77	2925	23.85	18.37	0.77	2954	19.68	15.15	0.77	3066	19.09	14.70	0.77	3087	16.99	13.08	0.77	3149	16.31	12.56	0.77	3180	15.49	11.93	0.77	3243
	28	82.4	22	71.6	26.17	17.01	0.65	2804	24.33	15.82	0.65	2942	24.09	15.66	0.65	2971	19.87	12.92	0.65	3083	19.28	12.53	0.65	3104	17.16	11.15	0.65	3166	16.47	10.71	0.65	3197	15.65	10.17	0.65	3261
	28	82.4	24	75.2	26.61	14.10	0.53	2824	24.75	13.12	0.53	2963	24.50	12.99	0.53	2992	20.21	10.71	0.53	3103	19.61	10.39	0.53	3125	17.45	9.25	0.53	3186	16.75	8.88	0.53	3217	15.91	8.43	0.53	3281
	28	82.4	26	78.8	26.98	11.06	0.41	2847	25.09	10.29	0.41	2986	24.84	10.19	0.41	3015	20.50	8.40	0.41	3127	19.88	8.15	0.41	3148	17.69	7.25	0.41	3209	16.99	6.96	0.41	3241	16.14	6.62	0.41	3304
	29	84.2	18	64.4	25.64	23.33	0.91	2789	23.85	21.70	0.91	2929	23.61	21.48	0.91	2958	19.48	17.72	0.91	3071	18.89	17.19	0.91	3093	16.81	15.30	0.91	3155	16.14	14.69	0.91	3186	15.34	13.95	0.91	3250
	29	84.2	20	68.0	26.17	21.19	0.81	2814	24.33	19.71	0.81	2954	24.09	19.51	0.81	2984	19.87	16.10	0.81	3097	19.28	15.62	0.81	3118	17.16	13.90	0.81	3180	16.47	13.34	0.81	3212	15.65	12.67	0.81	3276
	29	84.2	22	71.6	26.69	18.42	0.69	2832	24.82	17.13	0.69	2972	24.57	16.95	0.69	3001	20.27	13.99	0.69	3114	19.66	13.57	0.69	3136	17.50	12.08	0.69	3198	16.80	11.59	0.69	3229	15.96	11.01	0.69	3293
	29	84.2	24	75.2	26.88	15.32	0.57	2852	25.00	14.25	0.57	2992	24.75	14.10	0.57	3022	20.41	11.64	0.57	3134	19.80	11.29	0.57	3156	17.62	10.05	0.57	3218	16.92	9.64	0.57	3250	16.07	9.16	0.57	3314
	29	84.2	26	78.8	27.25	12.26	0.45	2876	25.35	11.41	0.45	3016	25.09	11.29	0.45	3045	20.70	9.32	0.45	3158	20.08	9.04	0.45	3179	17.87	8.04	0.45	3241	17.16	7.72	0.45	3273	16.30	7.33	0.45	3337
	30	86.0	18	64.4	25.90	23.57	0.91	2817	24.09	21.92	0.91	2958	23.84	21.70	0.91	2988	19.67	17.90	0.91	3102	19.08	17.36	0.91	3124	16.98	15.45	0.91	3186	16.30	14.84	0.91	3218	15.49	14.09	0.91	3283
	30	86.0	20	68.0	26.43	22.46	0.85	2843	24.58	20.89	0.85	2984	24.33	20.68	0.85	3014	20.07	17.06	0.85	3128	19.47	16.55	0.85	3149	17.33	14.73	0.85	3212	16.64	14.14	0.85	3244	15.80	13.43	0.85	3309
	30	86.0	22	71.6	26.96	19.68	0.73	2860	25.07	18.30	0.73	3001	24.82	18.12	0.73	3031	20.47	14.95	0.73	3145	19.86	14.50	0.73	3167	17.68	12.90	0.73	3230	16.97	12.39	0.73	3262	16.12	11.77	0.73	3326
	30	86.0	24	75.2	27.15	16.56	0.61	2881	25.25	15.40	0.61	3022	24.99	15.25	0.61	3052	20.62	12.58	0.61	3166	20.00	12.20	0.61	3187	17.80	10.86	0.61	3250	17.09	10.42	0.61	3282	16.23	9.90	0.61	3347
	30	86.0	26	78.8	27.53	13.49	0.49	2904	25.60	12.54	0.49	3046	25.34	12.42	0.49	3075	20.91	10.24	0.49	3189	20.28	9.94	0.49	3211	18.05	8.84	0.49	3274	17.33	8.49	0.49	3306	16.46	8.07	0.49	3370
	31	87.8	18	64.4	26.16	23.80	0.91	2845	24.33	22.14	0.91	2988	24.08	21.92	0.91	3018	19.87	18.08	0.91	3133	19.27	17.54	0.91	3155	17.15	15.61	0.91	3218	16.47	14.98	0.91	3250	15.64	14.24	0.91	3316
	31	87.8	20	68.0	26.69	23.76	0.89	2871	24.82	22.09	0.89	3014	24.57	21.87	0.89	3044	20.27	18.04	0.89	3159	19.67	17.50	0.89	3181	17.50	15.58	0.89	3244	16.80	14.95	0.89	3276	15.96	14.21	0.89	3342
	31	87.8	22	71.6	27.23	20.96	0.77	2889	25.32	19.50	0.77	3031	25.07	19.30	0.77	3061	20.68	15.92	0.77	3177	20.06	15.45	0.77	3199	17.85	13.75	0.77	3262	17.14	13.20	0.77	3294	16.28	12.54	0.77	3359
	31	87.8	24	75.2	27.42	17.82	0.65	2910	25.50	16.57	0.65	3052	25.24	16.41	0.65	3082	20.83	13.54	0.65	3197	20.20	13.13	0.65	3219	17.98	11.69	0.65	3283	17.26	11.22	0.65	3315	16.40	10.66	0.65	3380
	31	87.8	26	78.8	27.80	14.73	0.53	2933	25.85	13.70	0.53	3076	25.60	13.57	0.53	3106	21.12	11.19	0.53	3221	20.48	10.86	0.53	3243	18.23	9.66	0.53	3307	17.50	9.28	0.53	3339	16.63	8.81	0.53	3404
	32	89.6	18	64.4	26.42	24.04	0.91	2873	24.57	22.36	0.91	3018	24.32	22.14	0.91	3048	20.07	18.26	0.91	3164	19.47	17.71	0.91	3186	17.32	15.77	0.91	3250	16.63	15.13	0.91	3283	15.80	14.38	0.91	3349
	32	89.6	20	68.0	26.96	24.53	0.91	2900	25.07	22.81	0.91	3044	24.82	22.59	0.91	3074	20.48	18.63	0.91	3190	19.86	18.08	0.91	3213	17.68	16.09	0.91	3277	16.97	15.44	0.91	3309	16.12	14.67	0.91	3375
	32	89.6	22	71.6	27.50	22.27	0.81	2918	25.57	20.71	0.81	3062	25.32	20.51	0.81	3092	20.89	16.92	0.81	3208	20.26	16.41	0.81	3231	18.03	14.61	0.81	3294	17.31	14.02	0.81	3327	16.44	13.32	0.81	3393
	32	89.6	24	75.2	27.69	19.11	0.69	2939	25.75	17.77	0.69	3083	25.49	17.59	0.69	3113	21.03	14.51	0.69	3229	20.40	14.08	0.69	3252	18.16	12.53	0.69	3315	17.43	12.03	0.69	3348	16.56	11.43	0.69	3414
	32	89.6	26	78.8	28.08	16.00	0.57	2963	26.11	14.88	0.57	3107	25.85	14.74	0.57	3137	21.33	12.16	0.57	3253	20.69	11.79	0.57	3276	18.41	10.50	0.57	3340	17.68	10.08	0.57	3372	16.79	9.57	0.57	3438

5. CAPACITIES AND SELECTION DATA

24K(Up to 3 indoor units series)

PERFORMANCE DATA (Heating Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	15	59.0	22.50	3997	25.88	4377	28.75	4608	31.25	4702	21.81	4155	24.24	4197	25.51	4239	28.04	4326	30.47	4553	31.25	4610	32.91	4781	34.56	4924	35.59	5023	36.66	5123
	16	60.8	22.24	4029	25.57	4413	28.41	4645	30.88	4740	21.55	4188	23.95	4231	25.21	4273	27.70	4361	30.11	4590	30.88	4647	32.52	4820	34.15	4964	35.17	5063	36.23	5165
	17	62.6	21.97	4061	25.27	4448	28.08	4682	30.52	4778	21.30	4222	23.67	4265	24.91	4308	27.37	4396	29.76	4627	30.52	4684	32.14	4858	33.74	5004	34.75	5104	35.80	5206
	18	64.4	21.71	4094	24.97	4484	27.74	4720	30.16	4817	21.05	4256	23.38	4299	24.62	4343	27.05	4431	29.40	4664	30.16	4722	31.75	4898	33.34	5044	34.34	5145	35.37	5248
	19	66.2	21.46	4127	24.67	4520	27.41	4758	29.80	4855	20.80	4290	23.11	4334	24.32	4378	26.73	4467	29.05	4702	29.80	4760	31.38	4937	32.95	5085	33.94	5187	34.95	5291
	20	68.0	21.24	4160	24.43	4557	27.14	4797	29.50	4895	20.59	4325	22.88	4369	24.08	4413	26.46	4503	28.77	4740	29.50	4799	31.07	4977	32.62	5126	33.60	5229	34.61	5333
	21	69.8	20.99	4206	24.14	4607	26.82	4849	29.15	4948	20.34	4373	22.60	4417	23.79	4461	26.15	4552	28.42	4792	29.15	4851	30.69	5032	32.23	5183	33.20	5286	34.19	5392
	22	71.6	20.74	4252	23.85	4658	26.50	4903	28.80	5003	20.10	4421	22.33	4465	23.51	4510	25.83	4602	28.08	4845	28.80	4905	30.33	5087	31.84	5240	32.80	5344	33.78	5451
	23	73.4	20.49	4299	23.56	4709	26.18	4957	28.45	5058	19.86	4469	22.06	4514	23.23	4560	25.52	4653	27.74	4898	28.45	4959	29.96	5143	31.46	5297	32.40	5403	33.38	5511
	24	75.2	20.24	4346	23.28	4761	25.86	5011	28.11	5114	19.62	4518	21.80	4564	22.95	4610	25.22	4704	27.41	4952	28.11	5013	29.60	5199	31.08	5355	32.02	5463	32.98	5572
	25	77.0	20.00	4394	23.00	4813	25.55	5066	27.78	5170	19.38	4568	21.54	4614	22.67	4661	24.91	4756	27.08	5006	27.78	5068	29.25	5257	30.71	5414	31.63	5523	32.58	5633
	26	78.8	19.76	4443	22.72	4866	25.25	5122	27.44	5227	19.15	4618	21.28	4665	22.40	4712	24.62	4808	26.76	5061	27.44	5124	28.90	5315	30.34	5474	31.25	5583	32.19	5695
	27	80.6	19.52	4492	22.45	4920	24.94	5178	27.11	5284	18.92	4669	21.02	4716	22.13	4764	24.32	4861	26.43	5117	27.11	5181	28.55	5373	29.98	5534	30.88	5645	31.80	5758
	28	82.4	19.29	4541	22.18	4974	24.64	5235	26.79	5342	18.70	4721	20.77	4768	21.87	4816	24.03	4915	26.12	5173	26.79	5238	28.21	5432	29.62	5595	30.51	5707	31.42	5821
	29	84.2	19.06	4591	21.91	5028	24.35	5293	26.47	5401	18.47	4773	20.52	4821	21.60	4869	23.74	4969	25.80	5230	26.47	5295	27.87	5492	29.26	5657	30.14	5770	31.04	5885
	30	86.0	18.83	4641	21.65	5084	24.06	5351	26.15	5460	18.25	4825	20.28	4874	21.34	4923	23.46	5023	25.49	5288	26.15	5353	27.53	5552	28.91	5719	29.78	5833	30.67	5950

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
120%	15	59.0	21.85	3806	25.13	4169	27.92	4388	30.34	4478	21.18	3957	23.53	3997	24.77	4037	27.22	4120	29.59	4336	30.34	4390	31.95	4553	33.55	4690	34.56	4784	35.59	4879
	16	60.8	21.59	3837	24.83	4203	27.59	4424	29.98	4514	20.93	3989	23.25	4029	24.48	4070	26.90	4153	29.24	4371	29.98	4426	31.57	4590	33.15	4728	34.15	4822	35.17	4919
	17	62.6	21.33	3868	24.53	4237	27.26	4460	29.63	4551	20.68	4021	22.98	4062	24.19	4103	26.58	4186	28.89	4407	29.63	4461	31.20	4627	32.76	4766	33.74	4861	34.75	4958
	18	64.4	21.08	3899	24.24	4271	26.94	4495	29.28	4587	20.43	4053	22.70	4094	23.90	4136	26.26	4220	28.55	4442	29.28	4497	30.83	4664	32.37	4804	33.34	4900	34.34	4998
	19	66.2	20.83	3931	23.95	4305	26.62	4532	28.93	4624	20.19	4086	22.43	4127	23.62	4169	25.95	4254	28.21	4478	28.93	4534	30.46	4702	31.99	4843	32.95	4940	33.94	5039
	20	68.0	20.62	3962	23.72	4340	26.35	4568	28.64	4662	19.99	4119	22.21	4161	23.38	4203	25.69	4288	27.93	4514	28.64	4570	30.16	4740	31.67	4882	32.62	4980	33.60	5079
	21	69.8	20.38	4006	23.43	4388	26.04	4619	28.30	4713	19.75	4164	21.95	4206	23.10	4249	25.39	4336	27.59	4564	28.30	4620	29.80	4792	31.29	4936	32.23	5034	33.20	5135
	22	71.6	20.13	4050	23.15	4436	25.72	4669	27.96	4765	19.51	4210	21.68	4253	22.82	4296	25.08	4383	27.26	4614	27.96	4671	29.44	4845	30.92	4990	31.84	5090	32.80	5192
	23	73.4	19.89	4094	22.87	4485	25.42	4721	27.63	4817	19.28	4256	21.42	4299	22.55	4343	24.78	4432	26.93	4665	27.63	4723	29.09	4898	30.54	5045	31.46	5146	32.40	5249
	24	75.2	19.65	4140	22.60	4534	25.11	4773	27.29	4870	19.05	4303	21.17	4347	22.28	4391	24.48	4480	26.61	4716	27.29	4775	28.74	4952	30.18	5100	31.08	5202	32.02	5307
	25	77.0	19.42	4185	22.33	4584	24.81	4825	26.97	4924	18.82	4351	20.91	4395	22.01	4439	24.19	4530	26.29	4768	26.97	4827	28.40	5006	29.82	5157	30.71	5260	31.63	5365
	26	78.8	19.18	4231	22.06	4634	24.51	4878	26.64	4978	18.59	4399	20.66	4443	21.75	4488	23.90	4579	25.98	4820	26.64	4880	28.05	5061	29.46	5213	30.34	5318	31.25	5424
	27	80.6	18.95	4278	21.80	4685	24.22	4932	26.32	5033	18.37	4447	20.41	4492	21.49	4537	23.61	4630	25.67	4873	26.32	4934	27.72	5117	29.10	5271	29.98	5376	30.88	5484
	28	82.4	18.73	4325	21.53	4737	23.93	4986	26.01	5088	18.15	4496	20.17	4541	21.23	4587	23.33	4681	25.36	4927	26.01	4988	27.39	5173	28.75	5329	29.62	5435	30.51	5544
	29	84.2	18.50	4372	21.28	4789	23.64	5041	25.70	5144	17.93	4545	19.93	4591	20.97	4638	23.05	4732	25.05	4981	25.70	5043	27.06	5230	28.41	5387	29.26	5495	30.14	5605
	30	86.0	18.28	4420	21.02	4842	23.36	5096	25.39	5200	17.72	4595	19.69	4642	20.72	4689	22.77	4784	24.75	5036	25.39	5098	26.73	5288	28.07	5446	28.91	5555	29.78	5667

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
110%	15	59.0	21.21	3732	23.86	3962	26.51	4171	29.46	4390	20.56	3879	22.85	3919	24.05	3958	26.43	4039	28.72	4251	29.46	4304	31.02	4464	32.57	4598	33.55	4690	34.56	4784
	16	60.8	20.96	3762	23.58	3994	26.20	4204	29.11	4426	20.32	3911	22.57	3950	23.76	3990	26.11	4071	28.38	4286	29.11	4339	30.65	4500	32.19	4635	33.15	4728	34.15	4822
	17	62.6	20.71	3792	23.30	4026	25.89	4238	28.77	4461	20.08	3942	22.31	3982	23.48	4022	25.80	4104	28.05	4320	28.77	4374	30.29	4536	31.81	4672	32.76	4766	33.74	4861
	18	64.4	20.47	3823	23.02	4059	25.58	4272	28.43	4497	19.84	3974	22.04	4014	23.20	4055	25.50	4137	27.71	4355	28.43	4409	29.93	4573	31.43	4710	32.37	4804	33.34	4900
	19	66.2	20.22	3854	22.75	4092	25.28	4307	28.09	4534	19.60	4006	21.78	4046	22.93	4087	25.20	4171	27.39	4390	28.09	4445	29.58	4610	31.06	4748	31.99	4843	32.95	4940
	20	68.0	20.02	3885	22.53	4125	25.03	4342	27.81	4570	19.41	4038	21.57	4079	22.70	4120	24.95	4204	27.11	4426	27.81	4481	29.28	4647	30.75	4786	31.67	4882	32.62	4980
	21	69.8	19.78	3927	22.26	4170	24.73	4389	27.48	4620	19.18	4083	21.31	4124	22.43	4166	24.65	4251	26.79	4474	27.48	4530	28.93	4698	30.38	4839	31.29	4936	32.23	5034
	22	71.6	19.55	3971	21.99	4216	24.43	4438	27.15	4671	18.95	4128	21.05	4169	22.16	4211	24.35	4297	26.47	4524	27.15	4580	28.59	4750	30.01	4892	30.92	4990	31.84	5090
	23	73.4	19.31	4014	21.72	4262	24.14	4486	26.82	4723	18.72	4173	20.80	4215	21.89	4258	24.06	4345	26.15	4573	26.82	4630	28.24	4802	29.65	4946	30.54	5045	31.46	5146
	24	75.2	19.08	4058	21.46	4309	23.85	4536	26.50	4775	18.49	4219	20.55	4262	21.63	4305	23.77	4392	25.84	4624	26.50	4681	27.90	4855	29.30	5000	30.18	5100	31.08	5202
	25	77.0	18.85	4103	21.21	4356	23.56	4586	26.18	4827	18.27	4265	20.30	4308	21.37	4352	23.48	4441	25.53	4674	26.18	4732	27.57	4908	28.95	5055	29.82	5157	30.71	5260
	26	78.8	18.62	4148	20.95	4404	23.28	4636	25.87	4880	18.05	4312	20.06	4356	21.11	4400	23.20	4490	25.22	4726	25.87	4784	27.24	4962	28.60	5111	29.46	5213	30.34	5318
	27	80.6	18.40	4194	20.70	4453	23.00	4687	25.56	4934	17.84	4360	19.82	4404	20.86	4448	22.92	4539	24.92	4778	25.56	4837	26.91	5017	28.26	5167	29.10	5271	29.98	5376
	28	82.4	18.18	4240	20.45	4502	22.72	4739	25.25	4988	17.62	4408	19.58	4452	20.61	4497	22.65	4589	24.62	4830	25.25	4890	26.59	5072	27.92	5224	28.75	5329	29.62	5435
	29	84.2	17.96	4287	20.21	4551	22.45	4791	24.95	5043	17.41	4456	19.35	4501	20.36	4547	22.38	4639	24.32	4884	24.95	4944	26.27	5128	27.58	5282	28.41	5387	29.26	5495
	30	86.0	17.75	4334	19.96	4601	22.18	4844	24.65	5098	17.20	4505	19.11	4551	20.12	4597	22.11	4690	24.03	4937	24.65	4998	25.95	5184	27.25	5340	28.07	5446	28.91	5555

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Heating Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	15	59.0	20.59	3623	23.17	3847	25.74	4049	28.60	4262	19.96	3766	22.18	3804	23.35	3843	25.66	3921	27.89	4128	28.60	4179	30.12	4334	31.62	4464	32.57	4553	33.55	4644
	16	60.8	20.35	3652	22.89	3878	25.44	4082	28.26	4297	19.73	3797	21.92	3835	23.07	3874	25.35	3953	27.56	4161	28.26	4212	29.76	4369	31.25	4500	32.19	4590	33.15	4682
	17	62.6	20.11	3682	22.62	3909	25.14	4115	27.93	4331	19.49	3827	21.66	3866	22.80	3905	25.05	3985	27.23	4194	27.93	4246	29.41	4404	30.88	4536	31.81	4627	32.76	4720
	18	64.4	19.87	3711	22.35	3941	24.84	4148	27.60	4366	19.26	3858	21.40	3897	22.53	3937	24.75	4017	26.91	4228	27.60	4281	29.06	4440	30.51	4573	31.43	4664	32.37	4758
	19	66.2	19.63	3741	22.09	3972	24.54	4181	27.27	4402	19.03	3889	21.15	3929	22.26	3968	24.46	4049	26.59	4262	27.27	4315	28.72	4476	30.15	4610	31.06	4702	31.99	4796
	20	68.0	19.44	3771	21.87	4004	24.30	4215	27.00	4437	18.84	3921	20.94	3960	22.04	4000	24.22	4082	26.33	4297	27.00	4350	28.43	4512	29.85	4647	30.75	4740	31.67	4835
	21	69.8	19.21	3813	21.61	4048	24.01	4262	26.68	4486	18.62	3964	20.69	4004	21.77	4044	23.93	4127	26.01	4344	26.68	4398	28.09	4561	29.49	4698	30.38	4792	31.29	4888
	22	71.6	18.98	3855	21.35	4093	23.72	4308	26.36	4535	18.39	4007	20.44	4048	21.51	4089	23.64	4172	25.70	4392	26.36	4446	27.75	4611	29.14	4750	30.01	4845	30.92	4942
	23	73.4	18.75	3897	21.09	4138	23.44	4356	26.04	4585	18.17	4051	20.19	4092	21.26	4134	23.36	4218	25.39	4440	26.04	4495	27.42	4662	28.79	4802	29.65	4898	30.54	4996
	24	75.2	18.52	3940	20.84	4184	23.15	4404	25.73	4635	17.96	4096	19.95	4137	21.00	4179	23.08	4265	25.08	4489	25.73	4545	27.09	4713	28.45	4855	29.30	4952	30.18	5051
	25	77.0	18.30	3983	20.59	4230	22.88	4452	25.42	4686	17.74	4141	19.71	4183	20.75	4225	22.80	4311	24.78	4538	25.42	4595	26.77	4765	28.10	4908	28.95	5006	29.82	5107
	26	78.8	18.08	4027	20.34	4276	22.60	4501	25.11	4738	17.53	4187	19.47	4229	20.50	4272	22.53	4359	24.49	4588	25.11	4645	26.44	4818	27.77	4962	28.60	5061	29.46	5163
	27	80.6	17.86	4072	20.10	4323	22.33	4551	24.81	4790	17.32	4233	19.24	4275	20.25	4319	22.26	4407	24.19	4639	24.81	4696	26.13	4871	27.43	5017	28.26	5117	29.10	5219
	28	82.4	17.65	4116	19.86	4371	22.06	4601	24.51	4843	17.11	4279	19.01	4322	20.01	4366	21.99	4455	23.90	4690	24.51	4748	25.81	4924	27.10	5072	27.92	5173	28.75	5277
	29	84.2	17.44	4162	19.62	4419	21.80	4651	24.22	4896	16.90	4326	18.78	4370	19.77	4414	21.73	4504	23.61	4741	24.22	4800	25.50	4978	26.78	5128	27.58	5230	28.41	5335
	30	86.0	17.23	4207	19.38	4467	21.54	4702	23.93	4950	16.70	4374	18.56	4418	19.53	4463	21.46	4554	23.33	4793	23.93	4853	25.20	5033	26.46	5184	27.25	5288	28.07	5394
COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	15	59.0	19.87	3558	22.36	3778	24.84	3976	27.60	4186	19.26	3699	21.40	3736	22.53	3774	24.76	3851	26.91	4053	27.60	4104	29.06	4256	30.52	4384	31.43	4471	32.38	4561
	16	60.8	19.64	3586	22.09	3808	24.55	4008	27.27	4219	19.04	3728	21.15	3766	22.26	3804	24.47	3882	26.59	4086	27.27	4137	28.72	4290	30.16	4419	31.06	4507	31.99	4598
	17	62.6	19.40	3615	21.83	3839	24.26	4041	26.95	4253	18.81	3758	20.90	3796	22.00	3835	24.17	3913	26.28	4119	26.95	4170	28.38	4325	29.80	4455	30.69	4544	31.61	4635
	18	64.4	19.17	3645	21.57	3870	23.97	4073	26.63	4288	18.59	3789	20.65	3827	21.74	3866	23.89	3945	25.97	4152	26.63	4204	28.04	4360	29.44	4491	30.33	4580	31.24	4672
	19	66.2	18.95	3674	21.32	3901	23.68	4106	26.32	4322	18.37	3819	20.41	3858	21.48	3897	23.61	3976	25.66	4186	26.32	4238	27.71	4395	29.10	4527	29.97	4617	30.87	4710
	20	68.0	18.76	3704	21.10	3932	23.45	4139	26.06	4357	18.18	3850	20.20	3889	21.27	3928	23.37	4008	25.40	4219	26.06	4272	27.44	4430	28.81	4563	29.67	4655	30.56	4748
	21	69.8	18.53	3744	20.85	3976	23.17	4185	25.74	4405	17.97	3892	19.96	3932	21.01	3971	23.09	4053	25.10	4266	25.74	4319	27.11	4479	28.46	4613	29.32	4706	30.20	4800
	22	71.6	18.31	3785	20.60	4019	22.89	4231	25.43	4454	17.75	3935	19.72	3975	20.76	4015	22.81	4097	24.80	4313	25.43	4366	26.78	4528	28.12	4664	28.96	4758	29.83	4853
	23	73.4	18.09	3827	20.35	4064	22.62	4277	25.13	4503	17.54	3979	19.49	4019	20.51	4059	22.54	4142	24.50	4360	25.13	4414	26.46	4578	27.78	4716	28.62	4810	29.48	4906
	24	75.2	17.88	3869	20.11	4108	22.34	4324	24.83	4552	17.33	4022	19.25	4063	20.27	4104	22.27	4188	24.21	4408	24.83	4463	26.14	4629	27.45	4767	28.27	4863	29.12	4960
	25	77.0	17.66	3912	19.87	4153	22.08	4372	24.53	4602	17.12	4067	19.02	4108	20.02	4149	22.00	4234	23.92	4457	24.53	4512	25.83	4679	27.12	4820	27.93	4916	28.77	5015
	26	78.8	17.45	3955	19.63	4199	21.81	4420	24.23	4653	16.91	4111	18.79	4153	19.78	4195	21.74	4280	23.63	4506	24.23	4561	25.52	4731	26.79	4873	27.60	4970	28.43	5070
	27	80.6	17.24	3998	19.39	4245	21.55	4469	23.94	4704	16.71	4157	18.57	4199	19.54	4241	21.48	4327	23.35	4555	23.94	4612	25.21	4783	26.47	4926	27.27	5025	28.09	5126
	28	82.4	17.03	4042	19.16	4292	21.29	4518	23.66	4756	16.51	4202	18.34	4245	19.31	4288	21.22	4375	23.06	4605	23.66	4662	24.91	4836	26.16	4981	26.94	5080	27.75	5182
	29	84.2	16.83	4087	18.93	4339	21.04	4568	23.37	4808	16.31	4248	18.12	4291	19.08	4335	20.97	4423	22.79	4656	23.37	4714	24.61	4889	25.84	5035	26.62	5136	27.42	5239
	30	86.0	16.63	4132	18.70	4387	20.78	4618	23.09	4861	16.12	4295	17.91	4339	18.85	4382	20.71	4472	22.51	4707	23.09	4766	24.32	4943	25.53	5091	26.30	5193	27.09	5297
80%	15	59.0	19.28	3522	21.69	3740	24.10	3937	26.77	4144	18.69	3662	20.76	3699	21.85	3736	24.02	3812	26.10	4013	26.77	4063	28.19	4213	29.60	4340	30.49	4427	31.40	4515
	16	60.8	19.05	3551	21.43	3770	23.81	3968	26.46	4177	18.46	3691	20.52	3728	21.60	3766	23.73	3843	25.79	4045	26.46	4095	27.86	4247	29.25	4375	30.13	4462	31.03	4552
	17	62.6	18.82	3579	21.18	3800	23.53	4000	26.14	4211	18.25	3721	20.27	3758	21.34	3796	23.45	3874	25.49	4078	26.14	4128	27.53	4282	28.90	4410	29.77	4498	30.66	4588
	18	64.4	18.60	3608	20.92	3831	23.25	4033	25.83	4245	18.03	3751	20.03	3789	21.09	3827	23.17	3905	25.19	4111	25.83	4162	27.20	4316	28.56	4446	29.42	4535	30.30	4625
	19	66.2	18.38	3637	20.68	3862	22.97	4065	25.53	4279	17.81	3781	19.79	3819	20.84	3858	22.90	3937	24.89	4144	25.53	4195	26.88	4351	28.22	4482	29.07	4571	29.94	4663
	20	68.0	18.20	3667	20.47	3893	22.75	4098	25.27	4314	17.64	3812	19.60	3850	20.63	3889	22.67	3968	24.64	4177	25.27	4229	26.61	4386	27.94	4518	28.78	4608	29.65	4700
	21	69.8	17.98	3707	20.23	3936	22.47	4143	24.97	4361	17.43	3854	19.36	3892	20.38	3932	22.40	4012	24.35	4223	24.97	4276	26.29	4434	27.61	4567	28.44	4659	29.29	4752
	22	71.6	17.76	3748	19.98	3979	22.20	4189	24.67	4409	17.22	3896	19.13	3935	20.14	3975	22.13	4056	24.05	4270	24.67	4323	25.98	4483	27.28	4618	28.10	4710	28.94	4804
	23	73.4	17.55	3789	19.74	4023	21.94	4235	24.37	4457	17.01	3939	18.90	3979	19.90	4019	21.86	4101	23.77	4317	24.37	4370	25.67	4532	26.95	4668	27.76	4762	28.59	4857
	24	75.2	17.34	3831	19.51	4067	21.67	4281	24.08	4507	16.81	3982	18.67	4022	19.66	4063	21.60	4146	23.48	4364	24.08	4418	25.36	4582	26.63	4720	27.42	4814	28.25	4910
	25	77.0	17.13	3873	19.27	4112	21.41	4328	23.79	4556	16.61	4026	18.45	4067	19.42	4108	21.34	4191	23.20	4412	23.79	4467	25.05	4633	26.31	4772	27.10	4867	27.91	4964
	26	78.8	16.93	3915	19.04	4157	21.16	4376	23.51	4606	16.41	4070	18.23	4111	19.19	4153	21.09	4238	22.92	4461	23.51	4516	24.75	4684	25.99	4824	26.77	4921	27.57	5019
	27	80.6	16.72	3958	18.81	4203	20.90	4424	23.23	4657	16.21	4115	18.01	4157	18.96	4199	20.83	4284	22.64	4510	23.23	4566	24.46	4735	25.68	4877	26.45	4975	27.24	5074
	28	82.4	16.52	4002	18.59	4249	20.65	4473	22.95	4708	16.01	4160	17.79	4202	18.73	4245	20.58	4331	22.37	4559	22.95	4616	24.16	4787	25.37	4931	26.13	5029	26.92	5130
	29	84.2	16.32	4046	18.36	4296	20.40	4522	22.67	4760	15.82	4206	17.58	4248	18.51	4291	20.34	4379	22.10	4609	22.67	4667	23.87	4840	25.07	4985	25.82	5085	26.59	5187
	30	86.0	16.13	4090	18.14	4343	20.16	4572	22.40	4812	15.63	4252	17.37	4295	18.28	4339	20.09	4427	21.84	4660	22.40	4718	23.59	4893	24.77	5040	25.51	5141	26.27	5244

5. CAPACITIES AND SELECTION DATA

36K(Up to 4 indoor units series)

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
130%	21	69.8	18	64.4	36,94	22,53	0,61	3122	36,57	22,31	0,61	3150	36,18	22,07	0,61	3179	35,71	21,78	0,61	3205	35,36	21,57	0,61	3221	34,97	21,33	0,61	3328	34,49	21,04	0,61	3474	33,88	20,67	0,61	3708	33,09	20,18	0,61	3879
	21	69.8	20	68.0	38,46	18,85	0,49	3145	38,08	18,66	0,49	3174	37,67	18,46	0,49	3202	37,19	18,22	0,49	3228	36,82	18,04	0,49	3244	36,42	17,84	0,49	3351	35,91	17,60	0,49	3497	35,28	17,29	0,49	3732	34,45	16,88	0,49	3903
	22	71.6	18	64.4	38,08	24,75	0,65	3153	37,71	24,51	0,65	3182	37,30	24,24	0,65	3211	36,82	23,93	0,65	3237	36,45	23,69	0,65	3253	36,06	23,44	0,65	3361	35,56	23,11	0,65	3509	34,93	22,70	0,65	3745	34,11	22,17	0,65	3918
	22	71.6	20	68.0	39,25	20,80	0,53	3177	38,86	20,60	0,53	3206	38,44	20,37	0,53	3235	37,94	20,11	0,53	3261	37,57	19,91	0,53	3277	37,16	19,69	0,53	3385	36,65	19,42	0,53	3533	36,00	19,08	0,53	3769	35,16	18,63	0,53	3942
	22	71.6	22	71.6	39,92	16,37	0,41	3193	39,52	16,20	0,41	3222	39,09	16,03	0,41	3251	38,59	15,82	0,41	3277	38,21	15,66	0,41	3293	37,79	15,49	0,41	3401	37,27	15,28	0,41	3549	36,61	15,01	0,41	3785	35,75	14,66	0,41	3958
	23	73.4	18	64.4	38,86	26,81	0,69	3185	38,48	26,55	0,69	3214	38,06	26,26	0,69	3243	37,57	25,92	0,69	3270	37,20	25,67	0,69	3286	36,79	25,39	0,69	3395	36,28	25,04	0,69	3544	35,64	24,59	0,69	3783	34,81	24,02	0,69	3958
	23	73.4	20	68.0	40,05	22,83	0,57	3209	39,65	22,60	0,57	3238	39,22	22,36	0,57	3267	38,72	22,07	0,57	3294	38,34	21,85	0,57	3310	37,92	21,61	0,57	3419	37,39	21,31	0,57	3568	36,73	20,94	0,57	3807	35,87	20,45	0,57	3982
	23	73.4	22	71.6	40,73	18,33	0,45	3226	40,33	18,15	0,45	3255	39,89	17,95	0,45	3284	39,38	17,72	0,45	3310	38,99	17,54	0,45	3327	38,56	17,35	0,45	3435	38,03	17,11	0,45	3585	37,36	16,81	0,45	3824	36,48	16,42	0,45	3998
	24	75,2	18	64.4	39,65	28,95	0,73	3217	39,26	28,66	0,73	3247	38,83	28,35	0,73	3276	38,34	27,98	0,73	3303	37,96	27,71	0,73	3319	37,54	27,41	0,73	3429	37,02	27,03	0,73	3580	36,37	26,55	0,73	3822	35,52	25,93	0,73	3998
	24	75,2	20	68.0	40,87	24,93	0,61	3242	40,46	24,68	0,61	3271	40,02	24,41	0,61	3300	39,51	24,10	0,61	3327	39,12	23,86	0,61	3344	38,69	23,60	0,61	3454	38,16	23,28	0,61	3604	37,48	22,86	0,61	3846	36,60	22,33	0,61	4022
	24	75,2	22	71.6	41,56	20,37	0,49	3258	41,15	20,16	0,49	3287	40,70	19,94	0,49	3317	40,18	19,69	0,49	3343	39,78	19,49	0,49	3360	39,35	19,28	0,49	3470	38,81	19,02	0,49	3621	38,12	18,68	0,49	3862	37,23	18,24	0,49	4039
	24	75,2	24	75,2	42,14	15,59	0,37	3277	41,73	15,44	0,37	3307	41,27	15,27	0,37	3336	40,74	15,07	0,37	3363	40,34	14,93	0,37	3380	39,90	14,76	0,37	3490	39,35	14,56	0,37	3640	38,65	14,30	0,37	3882	37,75	13,97	0,37	4058
	25	77.0	18	64.4	40,88	31,48	0,77	3250	40,48	31,17	0,77	3279	40,03	30,83	0,77	3309	39,52	30,43	0,77	3336	39,13	30,13	0,77	3353	38,70	29,80	0,77	3464	38,17	29,39	0,77	3616	37,49	28,87	0,77	3860	36,62	28,19	0,77	4038
	25	77.0	20	68.0	42,13	27,39	0,65	3274	41,71	27,11	0,65	3304	41,26	26,82	0,65	3334	40,73	26,48	0,65	3361	40,33	26,21	0,65	3377	39,89	25,93	0,65	3489	39,34	25,57	0,65	3641	38,64	25,12	0,65	3885	37,74	24,53	0,65	4063
	25	77.0	22	71.6	42,85	22,71	0,53	3291	42,42	22,48	0,53	3321	41,96	22,24	0,53	3350	41,42	21,95	0,53	3377	41,01	21,74	0,53	3394	40,57	21,50	0,53	3505	40,01	21,20	0,53	3658	39,30	20,83	0,53	3901	38,38	20,34	0,53	4079
	25	77.0	24	75.2	43,45	17,81	0,41	3311	43,02	17,64	0,41	3340	42,55	17,45	0,41	3370	42,00	17,22	0,41	3397	41,59	17,05	0,41	3414	41,13	16,87	0,41	3525	40,57	16,63	0,41	3677	39,85	16,34	0,41	3921	38,92	15,96	0,41	4099
	26	78,8	18	64.4	42,14	34,14	0,81	3283	41,73	33,80	0,81	3313	41,27	33,43	0,81	3343	40,74	33,00	0,81	3370	40,34	32,68	0,81	3387	39,90	32,32	0,81	3499	39,35	31,87	0,81	3653	38,65	31,31	0,81	3899	37,75	30,58	0,81	4079
	26	78,8	20	68.0	43,43	29,97	0,69	3307	43,00	29,67	0,69	3337	42,54	29,35	0,69	3367	41,99	28,97	0,69	3395	41,57	28,69	0,69	3411	41,12	28,37	0,69	3524	40,55	27,98	0,69	3678	39,84	27,49	0,69	3924	38,90	26,84	0,69	4104
	26	78,8	22	71.6	44,17	25,18	0,57	3324	43,74	24,93	0,57	3354	43,26	24,66	0,57	3384	42,70	24,34	0,57	3411	42,28	24,10	0,57	3428	41,82	23,84	0,57	3541	41,24	23,51	0,57	3694	40,51	23,09	0,57	3941	39,57	22,55	0,57	4121
	26	78,8	24	75,2	44,79	20,16	0,45	3344	44,35	19,96	0,45	3374	43,87	19,74	0,45	3404	43,30	19,49	0,45	3431	42,87	19,29	0,45	3448	42,41	19,08	0,45	3560	41,82	18,82	0,45	3714	41,08	18,49	0,45	3961	40,12	18,05	0,45	4140
	26	78,8	26	78.8	45,51	15,02	0,33	3367	45,06	14,87	0,33	3397	44,57	14,71	0,33	3427	44,00	14,52	0,33	3454	43,56	14,37	0,33	3471	43,09	14,22	0,33	3583	42,49	14,02	0,33	3737	41,74	13,77	0,33	3983	40,76	13,45	0,33	4163
	27	80,6	18	64.4	43,00	36,55	0,85	3316	42,58	36,19	0,85	3346	42,12	35,80	0,85	3376	41,57	35,34	0,85	3404	41,16	34,99	0,85	3421	40,72	34,61	0,85	3534	40,15	34,13	0,85	3690	39,44	33,53	0,85	3939	38,52	32,74	0,85	4120
	27	80,6	19	66.2	43,88	34,67	0,79	3326	43,45	34,32	0,79	3356	42,97	33,95	0,79	3386	42,42	33,51	0,79	3414	42,00	33,18	0,79	3431	41,55	32,82	0,79	3544	40,97	32,37	0,79	3700	40,25	31,80	0,79	3949	39,30	31,05	0,79	4130
	27	80,6	20	68.0	44,32	32,35	0,73	3341	43,88	32,03	0,73	3371	43,40	31,69	0,73	3401	42,85	31,28	0,73	3429	42,42	30,97	0,73	3446	41,96	30,63	0,73	3559	41,38	30,21	0,73	3715	40,65	29,67	0,73	3964	39,70	28,98	0,73	4145
	27	80,6	22	71.6	45,07	27,50	0,61	3358	44,63	27,22	0,61	3388	44,14	26,93	0,61	3418	43,58	26,58	0,61	3446	43,14	26,32	0,61	3463	42,68	26,03	0,61	3576	42,09	25,67	0,61	3732	41,34	25,22	0,61	3981	40,37	24,63	0,61	4162
	27	80,6	24	75,2	45,71	22,40	0,49	3378	45,25	22,17	0,49	3408	44,76	21,93	0,49	3438	44,19	21,65	0,49	3466	43,75	21,44	0,49	3483	43,27	21,20	0,49	3596	42,68	20,91	0,49	3752	41,92	20,54	0,49	4001	40,94	20,06	0,49	4182
	27	80,6	26	78,8	46,44	17,18	0,37	3401	45,98	17,01	0,37	3431	45,48	16,83	0,37	3461	44,89	16,61	0,37	3489	44,45	16,45	0,37	3506	43,96	16,27	0,37	3619	43,36	16,04	0,37	3775	42,59	15,76	0,37	4024	41,59	15,39	0,37	4205
	28	82,4	18	64.4	43,43	38,66	0,89	3349	43,00	38,27	0,89	3379	42,54	37,86	0,89	3410	41,99	37,37	0,89	3438	41,57	37,00	0,89	3455	41,12	36,60	0,89	3570	40,55	36,09	0,89	3727	39,84	35,46	0,89	3978	38,90	34,62	0,89	4161
	28	82,4	20	68.0	44,32	34,13	0,77	3374	43,88	33,79	0,77	3405	43,40	33,42	0,77	3436	42,85	32,99	0,77	3463	42,42	32,67	0,77	3480	41,96	32,31	0,77	3595	41,38	31,86	0,77	3752	40,65	31,30	0,77	4003	39,70	30,57	0,77	4187
	28	82,4	22	71.6	44,76	29,10	0,65	3391	44,32	28,81	0,65	3422	43,84	28,50	0,65	3453	43,28	28,13	0,65	3480	42,85	27,85	0,65	3498	42,38	27,55	0,65	3612	41,80	27,17	0,65	3769	41,06	26,69	0,65	4020	40,09	26,06	0,65	4204
	28	82,4	24	75,2	45,52	24,13	0,53	3412	45,07	23,89	0,53	3442	44,58	23,63	0,53	3473	44,01	23,33	0,53	3500	43,58	23,10	0,53	3518	43,10	22,84	0,53	3632	42,51	22,53	0,53	3789	41,76	22,13	0,53	4041	40,78	21,61	0,53	4224
	28	82,4	26	78,8	46,16	18,93	0,41	3435	45,71	18,74	0,41	3465	45,21	18,54	0,41	3496	44,63	18,30	0,41	3524	44,19	18,12	0,41	3541	43,71	17,92	0,41	3656	43,10	17,67	0,41	3813	42,34	17,36	0,41	4064	41,35	16,95	0,41	4247
	29	84,2	18	64.4	43,87	39,92	0,91	3382	43,43	39,53	0,91	3413	42,96	39,10	0,91	3444	42,41	38,59	0,91	3472	41,99	38,21	0,91	3490	41,53	37,80	0,91	3605	40,96	37,27	0,91	3764	40,24	36,61	0,91	4018	39,29	35,76	0,91	4203
	29	84,2	20	68.0	44,76	36,26	0,81	3408	44,32	35,90	0,81	3439	43,84	35,51	0,81	3470	43,28	35,05	0,81	3498	42,85	34,71	0,81	3515	42,38	34,33	0,81	3631	41,80	33,85	0,81	3789	41,06	33,26	0,81	4043	40,09	32,48	0,81	4229
	29	84,2	22	71.6	45,66	31,50	0,69	3425	45,21	31,19	0,69	3456	44,72	30,85	0,69	3487	44,14	30,46	0,69	3515	43,70	30,16	0,69	3533	43,23	29,83	0,69	3648	42,63	29,42	0,69	3807	41,88	28,90	0,69	4061	40,90	28,22	0,69	4246
	29	84,2	24	75,2	45,98	26,21	0,57	3446	45,52	25,95	0,57	3477	45,03	25,67	0,57	3508	44,45	25,34	0,57	3535	44,01	25,09	0,57	3553	43,53	24,81	0,57	3669	42,93	24,47	0,57	3827	42,17	24,04	0,57	4081	41,18	23,47	0,57	4266
	29	84,2	26	78,8	46,62	20,98	0,45	3469	46,16	20,77	0,45	3500	45,66	20,55	0,45	3531	45,07	20,28	0,45	3559	44,63	20,08	0,45	3576	44,14	19,86	0,45	3692	43,53	19,59	0,45	3851	42,76	19,24	0,45	4104	41,76	18,79	0,45	4290
	30	86,0	18	64.4	44,31	40,32	0,91	3416	43,87	39,92	0,91	3447	43,39	39,49	0,91	3479	42,83	38,98	0,91	3507	42,41	38,59	0,91	3525	41,95	38,17	0,91	3641	41,37	37,65	0,91	3802	40,64	36,98	0,91	4058	39,69	36,11	0,91	4245
	30	86,0	20	68.0	45,21	38,43	0,85	3442	44,76	38,05	0,85	3473	44,28	37,64	0,85	3505	43,71	37,15	0,85	3533	43,28	36,78	0,85	3550	42,81	36,38	0,85	3667	42,21	35,88	0,85	3827	41,47	35,25	0,85	4084	40,50	34,42	0,85	4271
	30	86,0	22	71.6	46,12	33,66	0,73	3460	45,66	33,33	0,73	3491	45,16	32,97	0,73	3522	44,58	32,55	0,73	3550	44,14	32,22	0,73	3568	43,66	31,87	0,73	3685	43,06	31,43	0,73	3845	42,30	30,88	0,73	4101	41,31	30,15	0,73	4288
	30	86,0	24	75,2	46,44	28,33	0,61	3480	45,98	28,05	0,61	3511	45,48	27,74	0,61	3543	44,90	27,39	0,61	3571	44,45	27,12	0,61	3588	43,97	26,82	0,61	3705	43,36	26,45	0,61	3865	42,59	25,98	0,61	4122	41,60	25,37	0,61	4309
	30	86,0	26	78,8	47,09	23,07	0,49	3504	46,62	22,85	0,49	3535	46,12	22,60	0,49	3566	45,52	22,31	0,49	3595	45,07	22,09	0,49	3612	44,58	21,85	0,49	3729	43,97	21,54	0,49	3889	43,19	21,16	0,49	4145	42,18	20,67	0,49	4333
	31	87,8	18	64.4	44,75	40,72	0,91	3450	44,31	40,32	0,91	3482	43,83	39,88	0,91	3514	43,26	39,37	0,91	3542	42,83	38,98	0,91	3560	42,37	38,56	0,91	3678	41,78	38,02	0,91	3840	41,04	37,35	0,91	4098	40,08	36,48	0,91	4288
	31	87,8	20	68.0	45,66	40,64	0,89	3476	45,21	40,24	0,89	3508	44,72	39,80	0,89	3540	44,15	39,29	0,89	3568	43,71	38,90	0,89	3586	43,23	38,48	0,89	3704	42,64	37,95	0,89	3866	41,88	37,28	0,89	4124	40,90	36,40	0,89	4314
	31	87,8	22	71.6	46,58	35,86	0,77	3494	46,12	35,51	0,77	3526	45,61	35,12	0,77	3557	45,03	34,67	0,77	3586	44,58	34,33	0,77	3604	44,10	33,96	0,77	3722	43,49	33,49	0,77	3883	42,72	32,89	0,77	4142	41,72	32,12	0,77	4331
	31	87,8	24	75,2	46,90	30,49	0,65	3515	46,44	30,19	0,65	3546	45,93	29,86	0,65	3578	45,35	29,47	0,65	3607	44,90	29,18	0,65	3624	44,41	28,87	0,65	3742	43,79	28,47	0,65	3904	43,02	27,96	0,65	4163	42,01	27,31	0,65	4352
	31	87,8	26	78,8	47,56	25,21	0,53	3539	47,09	24,96	0,53	3570	46,58	24,69	0,53	3602	45,98	24,37	0,53	3630	45,52	24,13	0,53	3648	45,03	23,87	0,53	3766	44,41	23,54	0,53	3928	43,62	23,12	0,53	4187	42,60	22,58	0,53	4376
	32	89,6	18	64.4	45,20	41,13	0,91	3485	44,75	40,72	0,91	3517	44,26	40,28	0,91	3549	43,70	39,76	0,91	3577	43,26	39,37	0,91	3595	42,79	38,94	0,91	3715	42,20	38,40	0,91	3878	41,46	37,72	0,91	4139	40,48	36,84	0,91	4330
	32	89,6	20	68.0	46,12	41,97	0,91	3511	45,66	41,55	0,91	3543	45,17	41,10	0,91	3575	44,59	40,57	0,91	3604	44,15	40,17	0,91	3622	43,67	39,74	0,91	3741	43,06	39,19	0,91	3904	42,30	38,49	0,91	4166	41,31	37,59	0,91	4357
	32	89,6	22	71.6	47,04	38,10	0,81	3529	46,58	37,73	0,81	3561	46,07	37,32	0,81	3593	45,48	36,84	0,81	3622	45,03	36,47	0,81	3640	44,54	36,08	0,81	3759	43,92	35,58	0,81	3922	43,15	34,95	0,81	4184	42,14	34,13	0,81	4375
	32	89,6	24	75,2	47,37	32,69	0,69	3550	46,90	32,36	0,69	3582	46,39	32,01	0,69	3614	45,80	31,60	0,69	3643	45,35	31,29	0,69	3661	44,85	30,95	0,69	3780	44,23	30,52	0,69	3943	43,45	29,98	0,69	4205	42,43	29,28	0,69	4396
	32	89,6	26	78,8	48,04	27,38	0,57	3574	47,56	27,11	0,57	3606	47,04	26,81	0,57	3638	46,44	26,47	0,57	3667	45,98	26,21	0,57	3685	45,48	25,92	0,57	3804	44,85	25,57	0,57	3967	44,06	25,11	0,57	4229	43,03	24,52	0,57	4420

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																									
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
130%	21	69.8	18	64.4	32.12	19.60	0.61	4024	29.55	18.03	0.61	4226	29.26	17.85	0.61	4268	24.14	14.72	0.61	4431	23.41	14.28	0.61	4462	20.84	12.71	0.61	4551	20.00	12.20	0.61	4597	19.00	11.59	0.61	4689
	21	69.8	20	68.0	33.45	16.39	0.49	4048	30.77	15.08	0.49	4250	30.46	14.93	0.49	4292	25.13	12.32	0.49	4454	24.38	11.95	0.49	4486	21.70	10.63	0.49	4575	20.83	10.21	0.49	4621	19.79	9.70	0.49	4713
	22	71.6	18	64.4	33.12	21.53	0.65	4065	30.47	19.80	0.65	4269	30.16	19.61	0.65	4312	24.88	16.18	0.65	4476	24.14	15.69	0.65	4507	21.48	13.96	0.65	4597	20.62	13.41	0.65	4644	19.59	12.74	0.65	4737
	22	71.6	20	68.0	34.13	18.09	0.53	4089	31.40	16.64	0.53	4293	31.09	16.48	0.53	4335	25.65	13.59	0.53	4499	24.88	13.18	0.53	4531	22.14	11.73	0.53	4621	21.26	11.27	0.53	4667	20.19	10.70	0.53	4760
	22	71.6	22	71.6	34.71	14.23	0.41	4105	31.93	13.09	0.41	4309	31.62	12.96	0.41	4351	26.08	10.69	0.41	4516	25.30	10.37	0.41	4547	22.52	9.23	0.41	4637	21.62	8.86	0.41	4683	20.54	8.42	0.41	4777
	23	73.4	18	64.4	33.79	23.32	0.69	4106	31.09	21.45	0.69	4312	30.78	21.24	0.69	4355	25.39	17.52	0.69	4521	24.63	17.00	0.69	4553	21.92	15.13	0.69	4644	21.04	14.52	0.69	4690	19.99	13.79	0.69	4784
	23	73.4	20	68.0	34.83	19.85	0.57	4130	32.04	18.26	0.57	4336	31.72	18.08	0.57	4379	26.17	14.92	0.57	4545	25.38	14.47	0.57	4577	22.59	12.88	0.57	4668	21.69	12.36	0.57	4714	20.60	11.74	0.57	4808
	23	73.4	22	71.6	35.42	15.94	0.45	4146	32.59	14.66	0.45	4352	32.26	14.52	0.45	4395	26.61	11.98	0.45	4561	25.82	11.62	0.45	4593	22.98	10.34	0.45	4684	22.06	9.93	0.45	4731	20.95	9.43	0.45	4825
	24	75.2	18	64.4	34.48	25.17	0.73	4148	31.72	23.16	0.73	4355	31.41	22.93	0.73	4399	25.91	18.91	0.73	4567	25.13	18.35	0.73	4599	22.37	16.33	0.73	4691	21.47	15.68	0.73	4738	20.40	14.89	0.73	4833
	24	75.2	20	68.0	35.54	21.68	0.61	4172	32.70	19.94	0.61	4380	32.37	19.74	0.61	4423	26.70	16.29	0.61	4591	25.90	15.80	0.61	4623	23.05	14.06	0.61	4715	22.13	13.50	0.61	4762	21.02	12.83	0.61	4857
	24	75.2	22	71.6	36.14	17.71	0.49	4188	33.25	16.29	0.49	4396	32.92	16.13	0.49	4440	27.16	13.31	0.49	4607	26.34	12.91	0.49	4639	23.45	11.49	0.49	4732	22.51	11.03	0.49	4779	21.38	10.48	0.49	4873
	24	75.2	24	75.2	36.65	13.56	0.37	4208	33.72	12.48	0.37	4416	33.38	12.35	0.37	4459	27.54	10.19	0.37	4627	26.71	9.88	0.37	4659	23.77	8.80	0.37	4751	22.82	8.44	0.37	4798	21.68	8.02	0.37	4893
	25	77.0	18	64.4	35.55	27.37	0.77	4189	32.71	25.18	0.77	4399	32.38	24.93	0.77	4443	26.71	20.57	0.77	4613	25.91	19.95	0.77	4645	23.06	17.76	0.77	4738	22.14	17.05	0.77	4786	21.03	16.19	0.77	4882
	25	77.0	20	68.0	36.64	23.81	0.65	4214	33.71	21.91	0.65	4424	33.37	21.69	0.65	4468	27.53	17.89	0.65	4637	26.70	17.36	0.65	4670	23.77	15.45	0.65	4763	22.82	14.83	0.65	4810	21.68	14.09	0.65	4906
	25	77.0	22	71.6	37.26	19.75	0.53	4231	34.28	18.17	0.53	4441	33.94	17.99	0.53	4485	28.00	14.84	0.53	4654	27.16	14.39	0.53	4686	24.17	12.81	0.53	4779	23.20	12.30	0.53	4827	22.04	11.68	0.53	4923
	25	77.0	24	75.2	37.78	15.49	0.41	4250	34.76	14.25	0.41	4460	34.41	14.11	0.41	4504	28.39	11.64	0.41	4673	27.54	11.29	0.41	4706	24.51	10.05	0.41	4799	23.53	9.65	0.41	4846	22.35	9.16	0.41	4942
	26	78.8	18	64.4	36.65	29.69	0.81	4232	33.72	27.31	0.81	4444	33.38	27.04	0.81	4488	27.54	22.31	0.81	4659	26.71	21.64	0.81	4692	23.77	19.26	0.81	4786	22.82	18.49	0.81	4834	21.68	17.56	0.81	4931
	26	78.8	20	68.0	37.77	26.06	0.69	4257	34.75	23.98	0.69	4469	34.40	23.74	0.69	4513	28.38	19.58	0.69	4684	27.53	19.00	0.69	4717	24.50	16.91	0.69	4811	23.52	16.23	0.69	4859	22.35	15.42	0.69	4956
	26	78.8	22	71.6	38.41	21.90	0.57	4273	35.34	20.14	0.57	4485	34.99	19.94	0.57	4530	28.86	16.45	0.57	4701	28.00	15.96	0.57	4734	24.92	14.20	0.57	4828	23.92	13.64	0.57	4876	22.73	12.95	0.57	4972
	26	78.8	24	75.2	38.95	17.53	0.45	4293	35.83	16.13	0.45	4505	35.48	15.96	0.45	4550	29.27	13.17	0.45	4721	28.39	12.78	0.45	4753	25.27	11.37	0.45	4847	24.26	10.92	0.45	4895	23.04	10.37	0.45	4992
	26	78.8	26	78.8	39.57	13.06	0.33	4316	36.41	12.01	0.33	4528	36.04	11.89	0.33	4573	29.74	9.81	0.33	4743	28.84	9.52	0.33	4776	25.67	8.47	0.33	4870	24.64	8.13	0.33	4918	23.41	7.73	0.33	5015
	27	80.6	18	64.4	37.40	31.79	0.85	4275	34.41	29.24	0.85	4489	34.06	28.95	0.85	4534	28.10	23.89	0.85	4706	27.26	23.17	0.85	4739	24.26	20.62	0.85	4834	23.29	19.80	0.85	4883	22.12	18.81	0.85	4981
	27	80.6	19	66.2	38.16	30.15	0.79	4285	35.11	27.73	0.79	4499	34.76	27.46	0.79	4544	28.67	22.65	0.79	4716	27.81	21.97	0.79	4749	24.75	19.56	0.79	4844	23.76	18.77	0.79	4893	22.58	17.83	0.79	4991
	27	80.6	20	68.0	38.54	28.14	0.73	4300	35.46	25.88	0.73	4514	35.10	25.63	0.73	4559	28.96	21.14	0.73	4731	28.09	20.51	0.73	4764	25.00	18.25	0.73	4859	24.00	17.52	0.73	4908	22.80	16.65	0.73	5006
	27	80.6	22	71.6	39.20	23.91	0.61	4317	36.06	22.00	0.61	4531	35.70	21.78	0.61	4576	29.45	17.97	0.61	4748	28.57	17.43	0.61	4781	25.43	15.51	0.61	4876	24.41	14.89	0.61	4925	23.19	14.15	0.61	5023
	27	80.6	24	75.2	39.75	19.48	0.49	4337	36.57	17.92	0.49	4551	36.20	17.74	0.49	4596	29.87	14.63	0.49	4768	28.97	14.19	0.49	4801	25.78	12.63	0.49	4896	24.75	12.13	0.49	4945	23.51	11.52	0.49	5043
	27	80.6	26	78.8	40.38	14.94	0.37	4360	37.15	13.75	0.37	4574	36.78	13.61	0.37	4619	30.34	11.23	0.37	4791	29.43	10.89	0.37	4824	26.20	9.69	0.37	4919	25.15	9.30	0.37	4968	23.89	8.84	0.37	5066
	28	82.4	18	64.4	37.77	33.62	0.89	4317	34.75	30.93	0.89	4534	34.40	30.62	0.89	4579	28.38	25.26	0.89	4753	27.53	24.50	0.89	4787	24.50	21.81	0.89	4883	23.52	20.93	0.89	4932	22.35	19.89	0.89	5030
	28	82.4	20	68.0	38.54	29.68	0.77	4342	35.46	27.30	0.77	4559	35.10	27.03	0.77	4604	28.96	22.30	0.77	4779	28.09	21.63	0.77	4812	25.00	19.25	0.77	4908	24.00	18.48	0.77	4957	22.80	17.56	0.77	5056
	28	82.4	22	71.6	38.93	25.30	0.65	4360	35.81	23.28	0.65	4576	35.45	23.05	0.65	4621	29.25	19.01	0.65	4796	28.37	18.44	0.65	4829	25.25	16.41	0.65	4925	24.24	15.76	0.65	4974	23.03	14.97	0.65	5073
	28	82.4	24	75.2	39.59	20.98	0.53	4380	36.42	19.30	0.53	4596	36.06	19.11	0.53	4642	29.75	15.77	0.53	4816	28.85	15.29	0.53	4849	25.68	13.61	0.53	4945	24.65	13.07	0.53	4994	23.42	12.41	0.53	5093
	28	82.4	26	78.8	40.14	16.46	0.41	4403	36.93	15.14	0.41	4619	36.56	14.99	0.41	4665	30.16	12.37	0.41	4839	29.26	12.00	0.41	4873	26.04	10.68	0.41	4969	25.00	10.25	0.41	5017	23.75	9.74	0.41	5116
	29	84.2	18	64.4	38.15	34.72	0.91	4360	35.10	31.94	0.91	4579	34.75	31.62	0.91	4625	28.67	26.09	0.91	4801	27.81	25.30	0.91	4835	24.75	22.52	0.91	4932	23.76	21.62	0.91	4981	22.57	20.54	0.91	5081
	29	84.2	20	68.0	38.93	31.53	0.81	4386	35.81	29.01	0.81	4604	35.45	28.72	0.81	4650	29.25	23.69	0.81	4826	28.37	22.98	0.81	4860	25.25	20.45	0.81	4957	24.24	19.64	0.81	5006	23.03	18.65	0.81	5106
	29	84.2	22	71.6	39.71	27.40	0.69	4403	36.53	25.21	0.69	4622	36.16	24.95	0.69	4668	29.84	20.59	0.69	4844	28.94	19.97	0.69	4877	25.76	17.77	0.69	4974	24.73	17.06	0.69	5024	23.49	16.21	0.69	5124
	29	84.2	24	75.2	39.98	22.79	0.57	4424	36.79	20.97	0.57	4642	36.42	20.76	0.57	4688	30.04	17.13	0.57	4864	29.14	16.61	0.57	4898	25.94	14.78	0.57	4995	24.90	14.19	0.57	5044	23.66	13.48	0.57	5144
	29	84.2	26	78.8	40.54	18.25	0.45	4447	37.30	16.79	0.45	4666	36.93	16.62	0.45	4712	30.47	13.71	0.45	4888	29.55	13.30	0.45	4921	26.30	11.84	0.45	5018	25.25	11.36	0.45	5068	23.99	10.79	0.45	5167
	30	86.0	18	64.4	38.53	35.06	0.91	4404	35.45	32.26	0.91	4625	35.09	31.93	0.91	4671	28.95	26.35	0.91	4849	28.08	25.56	0.91	4883	24.99	22.74	0.91	4981	23.99	21.83	0.91	5031	22.79	20.74	0.91	5132
	30	86.0	20	68.0	39.32	33.42	0.85	4430	36.17	30.75	0.85	4650	35.81	30.44	0.85	4697	29.54	25.11	0.85	4875	28.66	24.36	0.85	4909	25.50	21.68	0.85	5007	24.48	20.81	0.85	5057	23.26	19.77	0.85	5157
	30	86.0	22	71.6	40.10	29.27	0.73	4447	36.89	26.93	0.73	4668	36.53	26.66	0.73	4714	30.13	22.00	0.73	4892	29.23	21.34	0.73	4926	26.01	18.99	0.73	5024	24.97	18.23	0.73	5074	23.72	17.32	0.73	5175
	30	86.0	24	75.2	40.38	24.63	0.61	4468	37.15	22.66	0.61	4689	36.78	22.44	0.61	4735	30.35	18.51	0.61	4913	29.43	17.96	0.61	4947	26.20	15.98	0.61	5045	25.15	15.34	0.61	5095	23.89	14.57	0.61	5195
	30	86.0	26	78.8	40.95	20.07	0.49	4492	37.67	18.46	0.49	4712	37.30	18.28	0.49	4759	30.77	15.08	0.49	4937	29.85	14.63	0.49	4971	26.56	13.02	0.49	5068	25.50	12.50	0.49	5118	24.23	11.87	0.49	5219
	31	87.8	18	64.4	38.92	35.41	0.91	4448	35.80	32.58	0.91	4671	35.44	32.25	0.91	4718	29.24	26.61	0.91	4897	28.36	25.81	0.91	4932	25.24	22.97	0.91	5031	24.23	22.05	0.91	5081	23.02	20.95	0.91	5183
	31	87.8	20	68.0	39.71	35.34	0.89	4474	36.53	32.51	0.89	4697	36.17	32.19	0.89	4744	29.84	26.56	0.89	4923	28.94	25.76	0.89	4958	25.76	22.93	0.89	5057	24.73	22.01	0.89	5107	23.49	20.91	0.89	5209
	31	87.8	22	71.6	40.50	31.19	0.77	4492	37.26	28.69	0.77	4715	36.89	28.41	0.77	4762	30.43	23.43	0.77	4941	29.52	22.73	0.77	4976	26.27	20.23	0.77	5074	25.22	19.42	0.77	5125	23.96	18.45	0.77	5227
	31	87.8	24	75.2	40.79	26.51	0.65	4513	37.53	24.39	0.65	4736	37.15	24.15	0.65	4782	30.65	19.92	0.65	4962	29.73	19.32	0.65	4996	26.46	17.20	0.65	5095	25.40	16.51	0.65	5146	24.13	15.68	0.65	5247
	31	87.8	26	78.8	41.36	21.92	0.53	4537	38.05	20.17	0.53	4759	37.67	19.97	0.53	4806	31.08	16.47	0.53	4986	30.15	15.98	0.53	5020	26.83	14.22	0.53	5119	25.76	13.65	0.53	5170	24.47	12.97	0.53	5271
	32	89.6	18	64.4	39.30	35.77	0.91	4493	36.16	32.91	0.91	4718	35.80	32.58	0.91	4765	29.53	26.88	0.91	4946	28.65	26.07	0.91	4981	25.50	23.20	0.91	5081	24.48	22.27	0.91	5132	23.25	21.16	0.91	5235
	32	89.6	20	68.0	40.11	36.50	0.91	4519	36.90	33.58	0.91	4744	36.53	33.24	0.91	4791	30.14	27.42	0.91	4973	29.23	26.60	0.91	5007	26.02	23.68	0.91	5107	24.98	22.73	0.91	5158	23.73	21.59	0.91	5261
	32	89.6	22	71.6	40.91	33.14	0.81	4537	37.64	30.49	0.81	4762	37.26	30.18	0.81	4809	30.74	24.90	0.81	4991	29.82	24.15	0.81	5025	26.54	21.50	0.81	5125	25.48	20.64	0.81	5176	24.20	19.60	0.81	5279
	32	89.6	24	75.2	41.20	28.43	0.69	4558	37.90	26.15	0.69	4783	37.52	25.89	0.69	4830	30.96	21.36	0.69	5012	30.03	20.72	0.69	5046	26.72	18.44	0.69	5146	25.65	17.70	0.69	5197	24.37	16.82	0.69	5300
	32	89.6	26	78.8	41.77	23.81	0.57	4582	38.43	21.91	0.57	4807	38.05	21.69	0.57	4854	31.39	17.89	0.57	5036	30.45	17.35	0.57	5070	27.10	15.45	0.57	5170	26.01	14.83	0.57	5221	24.71	14.09	0.57	5324

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
120%	21	69.8	18	64.4	36.59	22.32	0.61	3092	36.23	22.10	0.61	3120	35.84	21.86	0.61	3148	35.38	21.58	0.61	3174	35.03	21.37	0.61	3190	34.64	21.13	0.61	3296	34.17	20.84	0.61	3441	33.56	20.47	0.61	3672	32.78	19.99	0.61	3842
	21	69.8	20	68.0	38.10	18.67	0.49	3115	37.72	18.48	0.49	3144	37.31	18.28	0.49	3172	36.83	18.05	0.49	3197	36.47	17.87	0.49	3213	36.07	17.68	0.49	3319	35.58	17.43	0.49	3464	34.95	17.12	0.49	3696	34.13	16.72	0.49	3865
	22	71.6	18	64.4	37.72	24.52	0.65	3123	37.35	24.28	0.65	3151	36.94	24.01	0.65	3180	36.47	23.71	0.65	3206	36.11	23.47	0.65	3222	35.72	23.22	0.65	3329	35.22	22.89	0.65	3475	34.60	22.49	0.65	3710	33.79	21.96	0.65	3881
	22	71.6	20	68.0	38.88	20.61	0.53	3147	38.49	20.40	0.53	3175	38.07	20.18	0.53	3204	37.59	19.92	0.53	3230	37.21	19.72	0.53	3246	36.81	19.51	0.53	3353	36.30	19.24	0.53	3499	35.66	18.90	0.53	3733	34.82	18.46	0.53	3905
	22	71.6	22	71.6	39.54	16.21	0.41	3163	39.15	16.05	0.41	3191	38.72	15.88	0.41	3220	38.23	15.67	0.41	3246	37.85	15.52	0.41	3262	37.44	15.35	0.41	3369	36.92	15.14	0.41	3515	36.27	14.87	0.41	3750	35.42	14.52	0.41	3921
	23	73.4	18	64.4	38.49	26.56	0.69	3155	38.11	26.30	0.69	3183	37.70	26.01	0.69	3212	37.21	25.68	0.69	3238	36.85	25.42	0.69	3255	36.44	25.15	0.69	3363	35.94	24.80	0.69	3510	35.31	24.36	0.69	3747	34.48	23.79	0.69	3920
	23	73.4	20	68.0	39.67	22.61	0.57	3179	39.28	22.39	0.57	3207	38.85	22.15	0.57	3236	38.35	21.86	0.57	3262	37.97	21.65	0.57	3279	37.56	21.41	0.57	3387	37.04	21.11	0.57	3534	36.39	20.74	0.57	3771	35.53	20.25	0.57	3944
	23	73.4	22	71.6	40.35	18.16	0.45	3195	39.95	17.98	0.45	3224	39.51	17.78	0.45	3253	39.01	17.55	0.45	3279	38.62	17.38	0.45	3295	38.20	17.19	0.45	3403	37.67	16.95	0.45	3551	37.01	16.65	0.45	3787	36.14	16.26	0.45	3960
	24	75.2	18	64.4	39.28	28.67	0.73	3186	38.89	28.39	0.73	3215	38.47	28.08	0.73	3245	37.97	27.72	0.73	3271	37.60	27.45	0.73	3287	37.19	27.15	0.73	3396	36.68	26.77	0.73	3546	36.03	26.30	0.73	3785	35.18	25.68	0.73	3960
	24	75.2	20	68.0	40.48	24.69	0.61	3211	40.08	24.45	0.61	3240	39.64	24.18	0.61	3269	39.14	23.87	0.61	3295	38.75	23.64	0.61	3312	38.33	23.38	0.61	3421	37.80	23.06	0.61	3570	37.13	22.65	0.61	3809	36.26	22.12	0.61	3984
	24	75.2	22	71.6	41.17	20.17	0.49	3227	40.76	19.97	0.49	3256	40.32	19.76	0.49	3286	39.80	19.50	0.49	3312	39.41	19.31	0.49	3328	38.98	19.10	0.49	3437	38.44	18.84	0.49	3587	37.76	18.50	0.49	3826	36.88	18.07	0.49	4000
	24	75.2	24	75.2	41.75	15.45	0.37	3247	41.33	15.29	0.37	3276	40.88	15.13	0.37	3305	40.36	14.93	0.37	3331	39.96	14.78	0.37	3348	39.52	14.62	0.37	3457	38.98	14.42	0.37	3606	38.29	14.17	0.37	3845	37.39	13.84	0.37	4020
	25	77.0	18	64.4	40.49	31.18	0.77	3219	40.09	30.87	0.77	3248	39.66	30.54	0.77	3278	39.15	30.14	0.77	3304	38.76	29.85	0.77	3321	38.34	29.52	0.77	3431	37.81	29.11	0.77	3582	37.14	28.60	0.77	3823	36.27	27.93	0.77	4000
	25	77.0	20	68.0	41.73	27.13	0.65	3243	41.32	26.86	0.65	3272	40.87	26.57	0.65	3302	40.35	26.23	0.65	3329	39.95	25.97	0.65	3345	39.51	25.68	0.65	3455	38.97	25.33	0.65	3606	38.28	24.88	0.65	3848	37.38	24.30	0.65	4024
	25	77.0	22	71.6	42.44	22.49	0.53	3260	42.02	22.27	0.53	3289	41.57	22.03	0.53	3319	41.03	21.75	0.53	3345	40.63	21.53	0.53	3362	40.18	21.30	0.53	3472	39.63	21.00	0.53	3623	38.93	20.63	0.53	3864	38.02	20.15	0.53	4041
	25	77.0	24	75.2	43.04	17.65	0.41	3279	42.61	17.47	0.41	3309	42.15	17.28	0.41	3338	41.61	17.06	0.41	3365	41.19	16.89	0.41	3381	40.75	16.71	0.41	3492	40.18	16.48	0.41	3642	39.47	16.18	0.41	3884	38.55	15.80	0.41	4060
	26	78.8	18	64.4	41.75	33.81	0.81	3251	41.33	33.48	0.81	3281	40.88	33.12	0.81	3311	40.36	32.69	0.81	3337	39.96	32.37	0.81	3354	39.52	32.01	0.81	3465	38.98	31.57	0.81	3618	38.29	31.01	0.81	3862	37.39	30.29	0.81	4040
	26	78.8	20	68.0	43.02	29.69	0.69	3276	42.60	29.39	0.69	3306	42.14	29.07	0.69	3335	41.59	28.70	0.69	3362	41.18	28.42	0.69	3379	40.73	28.11	0.69	3490	40.17	27.72	0.69	3643	39.46	27.23	0.69	3886	38.54	26.59	0.69	4065
	26	78.8	22	71.6	43.76	24.94	0.57	3293	43.32	24.69	0.57	3322	42.85	24.43	0.57	3352	42.30	24.11	0.57	3379	41.88	23.87	0.57	3396	41.43	23.61	0.57	3507	40.85	23.29	0.57	3659	40.13	22.88	0.57	3903	39.19	22.34	0.57	4082
	26	78.8	24	75.2	44.37	19.97	0.45	3313	43.93	19.77	0.45	3342	43.45	19.55	0.45	3372	42.89	19.30	0.45	3399	42.47	19.11	0.45	3416	42.01	18.90	0.45	3527	41.43	18.64	0.45	3679	40.69	18.31	0.45	3923	39.74	17.88	0.45	4101
	26	78.8	26	78.8	45.08	14.88	0.33	3335	44.63	14.73	0.33	3365	44.15	14.57	0.33	3395	43.58	14.38	0.33	3422	43.15	14.24	0.33	3438	42.68	14.08	0.33	3550	42.09	13.89	0.33	3702	41.35	13.64	0.33	3946	40.38	13.32	0.33	4124
	27	80.6	18	64.4	42.60	36.21	0.85	3284	42.18	35.85	0.85	3314	41.72	35.46	0.85	3344	41.18	35.01	0.85	3371	40.77	34.66	0.85	3388	40.33	34.28	0.85	3500	39.77	33.81	0.85	3654	39.07	33.21	0.85	3901	38.16	32.43	0.85	4081
	27	80.6	19	66.2	43.47	34.34	0.79	3294	43.04	34.00	0.79	3324	42.57	33.63	0.79	3354	42.02	33.20	0.79	3381	41.61	32.87	0.79	3398	41.15	32.51	0.79	3510	40.59	32.06	0.79	3664	39.87	31.50	0.79	3911	38.93	30.76	0.79	4091
	27	80.6	20	68.0	43.90	32.05	0.73	3309	43.47	31.73	0.73	3339	43.00	31.39	0.73	3369	42.44	30.98	0.73	3396	42.02	30.68	0.73	3413	41.57	30.34	0.73	3525	40.99	29.92	0.73	3679	40.27	29.39	0.73	3926	39.32	28.71	0.73	4106
	27	80.6	22	71.6	44.65	27.24	0.61	3326	44.21	26.97	0.61	3356	43.73	26.67	0.61	3386	43.16	26.33	0.61	3413	42.74	26.07	0.61	3430	42.27	25.79	0.61	3542	41.69	25.43	0.61	3696	40.95	24.98	0.61	3943	39.99	24.40	0.61	4123
	27	80.6	24	75.2	45.27	22.18	0.49	3346	44.83	21.96	0.49	3376	44.34	21.73	0.49	3406	43.77	21.45	0.49	3433	43.34	21.23	0.49	3450	42.86	21.00	0.49	3562	42.27	20.71	0.49	3716	41.52	20.35	0.49	3963	40.55	19.87	0.49	4143
	27	80.6	26	78.8	46.00	17.02	0.37	3369	45.54	16.85	0.37	3399	45.05	16.67	0.37	3429	44.47	16.45	0.37	3456	44.03	16.29	0.37	3473	43.55	16.11	0.37	3585	42.95	15.89	0.37	3739	42.19	15.61	0.37	3986	41.20	15.24	0.37	4166
	28	82.4	18	64.4	43.02	38.29	0.89	3317	42.60	37.91	0.89	3347	42.14	37.50	0.89	3378	41.59	37.02	0.89	3405	41.18	36.65	0.89	3422	40.73	36.25	0.89	3535	40.17	35.75	0.89	3691	39.46	35.12	0.89	3940	38.54	34.30	0.89	4122
	28	82.4	20	68.0	43.90	33.81	0.77	3342	43.47	33.47	0.77	3372	43.00	33.11	0.77	3403	42.44	32.68	0.77	3430	42.02	32.36	0.77	3447	41.57	32.01	0.77	3561	40.99	31.56	0.77	3716	40.27	31.01	0.77	3965	39.32	30.28	0.77	4147
	28	82.4	22	71.6	44.34	28.82	0.65	3359	43.90	28.54	0.65	3389	43.42	28.23	0.65	3420	42.87	27.86	0.65	3447	42.44	27.59	0.65	3464	41.98	27.29	0.65	3578	41.40	26.91	0.65	3733	40.67	26.44	0.65	3982	39.72	25.82	0.65	4164
	28	82.4	24	75.2	45.10	23.90	0.53	3379	44.65	23.66	0.53	3410	44.16	23.41	0.53	3440	43.60	23.11	0.53	3467	43.16	22.88	0.53	3485	42.70	22.63	0.53	3598	42.11	22.32	0.53	3754	41.36	21.92	0.53	4002	40.39	21.41	0.53	4184
	28	82.4	26	78.8	45.73	18.75	0.41	3403	45.27	18.56	0.41	3433	44.78	18.36	0.41	3463	44.21	18.12	0.41	3491	43.77	17.95	0.41	3508	43.29	17.75	0.41	3621	42.70	17.51	0.41	3777	41.94	17.20	0.41	4026	40.96	16.79	0.41	4207
	29	84.2	18	64.4	43.45	39.54	0.91	3350	43.02	39.15	0.91	3381	42.56	38.73	0.91	3411	42.01	38.23	0.91	3439	41.59	37.85	0.91	3456	41.14	37.44	0.91	3571	40.57	36.92	0.91	3728	39.86	36.27	0.91	3979	38.92	35.42	0.91	4163
	29	84.2	20	68.0	44.34	35.92	0.81	3375	43.90	35.56	0.81	3406	43.42	35.17	0.81	3437	42.87	34.72	0.81	3464	42.44	34.38	0.81	3482	41.98	34.00	0.81	3596	41.40	33.54	0.81	3753	40.67	32.94	0.81	4005	39.72	32.17	0.81	4188
	29	84.2	22	71.6	45.23	31.21	0.69	3393	44.78	30.90	0.69	3423	44.29	30.56	0.69	3454	43.73	30.17	0.69	3482	43.29	29.87	0.69	3499	42.82	29.55	0.69	3614	42.23	29.14	0.69	3771	41.48	28.62	0.69	4022	40.51	27.95	0.69	4206
	29	84.2	24	75.2	45.55	25.96	0.57	3413	45.10	25.70	0.57	3444	44.60	25.42	0.57	3475	44.03	25.10	0.57	3502	43.60	24.85	0.57	3519	43.12	24.58	0.57	3634	42.53	24.24	0.57	3791	41.77	23.81	0.57	4042	40.80	23.25	0.57	4226
	29	84.2	26	78.8	46.18	20.78	0.45	3437	45.73	20.58	0.45	3467	45.23	20.35	0.45	3498	44.65	20.09	0.45	3526	44.21	19.89	0.45	3543	43.73	19.68	0.45	3658	43.12	19.40	0.45	3815	42.36	19.06	0.45	4066	41.37	18.62	0.45	4249
	30	86.0	18	64.4	43.89	39.94	0.91	3383	43.45	39.54	0.91	3414	42.98	39.11	0.91	3445	42.43	38.61	0.91	3473	42.01	38.23	0.91	3491	41.55	37.81	0.91	3607	40.98	37.29	0.91	3765	40.25	36.63	0.91	4019	39.31	35.77	0.91	4204
	30	86.0	20	68.0	44.79	38.07	0.85	3409	44.34	37.69	0.85	3440	43.86	37.28	0.85	3471	43.30	36.80	0.85	3499	42.87	36.44	0.85	3517	42.40	36.04	0.85	3632	41.82	35.54	0.85	3791	41.08	34.91	0.85	4045	40.11	34.10	0.85	4230
	30	86.0	22	71.6	45.68	33.35	0.73	3427	45.23	33.02	0.73	3458	44.74	32.66	0.73	3489	44.16	32.24	0.73	3517	43.73	31.92	0.73	3534	43.25	31.57	0.73	3650	42.65	31.14	0.73	3808	41.90	30.59	0.73	4062	40.92	29.87	0.73	4248
	30	86.0	24	75.2	46.00	28.06	0.61	3447	45.55	27.78	0.61	3478	45.05	27.48	0.61	3509	44.47	27.13	0.61	3537	44.03	26.86	0.61	3555	43.55	26.57	0.61	3670	42.95	26.20	0.61	3829	42.19	25.74	0.61	4083	41.20	25.13	0.61	4268
	30	86.0	26	78.8	46.65	22.86	0.49	3471	46.18	22.63	0.49	3502	45.68	22.38	0.49	3533	45.10	22.10	0.49	3561	44.65	21.88	0.49	3578	44.16	21.64	0.49	3694	43.55	21.34	0.49	3853	42.78	20.96	0.49	4107	41.78	20.47	0.49	4292
	31	87.8	18	64.4	44.33	40.34	0.91	3417	43.89	39.94	0.91	3448	43.41	39.50	0.91	3480	42.85	39.00	0.91	3508	42.43	38.61	0.91	3526	41.97	38.19	0.91	3643	41.39	37.66	0.91	3803	40.66	37.00	0.91	4059	39.70	36.13	0.91	4246
	31	87.8	20	68.0	45.23	40.26	0.89	3443	44.79	39.86	0.89	3474	44.30	39.43	0.89	3506	43.73	38.92	0.89	3534	43.30	38.53	0.89	3552	42.83	38.11	0.89	3669	42.23	37.59	0.89	3829	41.49	36.92	0.89	4085	40.51	36.06	0.89	4272
	31	87.8	22	71.6	46.14	35.53	0.77	3461	45.68	35.17	0.77	3492	45.18	34.79	0.77	3524	44.60	34.35	0.77	3552	44.16	34.00	0.77	3569	43.68	33.63	0.77	3686	43.08	33.17	0.77	3846	42.32	32.58	0.77	4103	41.33	31.82	0.77	4290
	31	87.8	24	75.2	46.46	30.20	0.65	3482	46.00	29.90	0.65	3513	45.50	29.58	0.65	3544	44.92	29.20	0.65	3573	44.47	28.91	0.65	3590	43.99	28.59	0.65	3707	43.38	28.20	0.65	3867	42.61	27.70	0.65	4124	41.62	27.05	0.65	4311
	31	87.8	26	78.8	47.11	24.97	0.53	3506	46.65	24.72	0.53	3537	46.14	24.45	0.53	3568	45.55	24.14	0.53	3596	45.10	23.90	0.53	3614	44.60	23.64	0.53	3731	43.99	23.31	0.53	3891	43.21	22.90	0.53	4148	42.20	22.37	0.53	4335
	32	89.6	18	64.4	44.77	40.74	0.91	3452	44.33	40.34	0.91	3483	43.85	39.90	0.91	3515	43.28	39.39	0.91	3543	42.85	39.00	0.91	3561	42.39	38.57	0.91	3679	41.80	38.04	0.91	3841	41.06	37.37	0.91	4100	40.10	36.49	0.91	4289
	32	89.6	20	68.0	45.69	41.57	0.91	3478	45.23	41.16	0.91	3509	44.74	40.71	0.91	3541	44.17	40.19	0.91	3569	43.73	39.79	0.91	3587	43.25	39.36	0.91	3705	42.66	38.82	0.91	3867	41.90	38.13	0.91	4126	40.92	37.24	0.91	4315
	32	89.6	22	71.6	46.60	37.75	0.81	3496	46.14	37.37	0.81	3527	45.64	36.96	0.81	3559	45.05	36.49	0.81	3587	44.60	36.13	0.81	3605	44.12	35.74	0.81	3723	43.51	35.24	0.81	3885	42.74	34.62	0.81	4144	41.74	33.81	0.81	4333
	32	89.6	24	75.2	46.93	32.38	0.69	3517	46.46	32.06	0.69	3548	45.96	31.71	0.69	3580	45.37	31.30	0.69	3608	44.92	30.99	0.69	3626	44.43	30.66	0.69	3744	43.82	30.23	0.69	3906	43.04	29.70	0.69	4165	42.03	29.00	0.69	4354
	32	89.6	26	78.8	47.58	27.12	0.57	3541	47.11	26.85	0.57	3572	46.60	26.56	0.57	3604	46.00	26.22	0.57	3632	45.55	25.96	0.57	3650	45.05	25.68	0.57	3768	44.43	25.32	0.57	3930	43.64	24.88	0.57	4189	42.62	24.29	0.57	4378

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
120%	21	69.8	18	64.4	31.82	19.41	0.61	3986	29.28	17.86	0.61	4186	28.98	17.68	0.61	4227	23.91	14.59	0.61	4388	23.19	14.15	0.61	4419	20.64	12.59	0.61	4508	19.82	12.09	0.61	4553	18.83	11.48	0.61	4644
	21	69.8	20	68.0	33.13	16.24	0.49	4009	30.48	14.94	0.49	4209	30.18	14.79	0.49	4251	24.90	12.20	0.49	4412	24.15	11.83	0.49	4443	21.49	10.53	0.49	4531	20.63	10.11	0.49	4577	19.60	9.60	0.49	4668
	22	71.6	18	64.4	32.80	21.32	0.65	4026	30.18	19.62	0.65	4228	29.88	19.42	0.65	4270	24.65	16.02	0.65	4433	23.91	15.54	0.65	4464	21.28	13.83	0.65	4553	20.43	13.28	0.65	4599	19.41	12.61	0.65	4691
	22	71.6	20	68.0	33.81	17.92	0.53	4050	31.10	16.49	0.53	4252	30.79	16.32	0.53	4294	25.40	13.46	0.53	4457	24.64	13.06	0.53	4488	21.93	11.62	0.53	4577	21.05	11.16	0.53	4623	20.00	10.60	0.53	4715
	22	71.6	22	71.6	34.38	14.10	0.41	4066	31.63	12.97	0.41	4268	31.32	12.84	0.41	4310	25.84	10.59	0.41	4473	25.06	10.28	0.41	4504	22.30	9.14	0.41	4593	21.41	8.78	0.41	4639	20.34	8.34	0.41	4731
	23	73.4	18	64.4	33.47	23.10	0.69	4067	30.80	21.25	0.69	4270	30.49	21.04	0.69	4313	25.15	17.36	0.69	4478	24.40	16.83	0.69	4509	21.71	14.98	0.69	4599	20.85	14.38	0.69	4645	19.80	13.66	0.69	4739
	23	73.4	20	68.0	34.50	19.66	0.57	4091	31.74	18.09	0.57	4295	31.42	17.91	0.57	4337	25.92	14.78	0.57	4502	25.15	14.33	0.57	4533	22.38	12.76	0.57	4623	21.48	12.25	0.57	4669	20.41	11.63	0.57	4763
	23	73.4	22	71.6	35.09	15.79	0.45	4107	32.28	14.53	0.45	4311	31.96	14.38	0.45	4354	26.36	11.86	0.45	4518	25.57	11.51	0.45	4549	22.76	10.24	0.45	4640	21.85	9.83	0.45	4686	20.76	9.34	0.45	4779
	24	75.2	18	64.4	34.16	24.94	0.73	4108	31.42	22.94	0.73	4314	31.11	22.71	0.73	4357	25.67	18.74	0.73	4523	24.90	18.17	0.73	4555	22.16	16.18	0.73	4646	21.27	15.53	0.73	4692	20.21	14.75	0.73	4786
	24	75.2	20	68.0	35.20	21.47	0.61	4132	32.39	19.76	0.61	4338	32.06	19.56	0.61	4381	26.45	16.14	0.61	4547	25.66	15.65	0.61	4579	22.84	13.93	0.61	4670	21.92	13.37	0.61	4717	20.83	12.70	0.61	4811
	24	75.2	22	71.6	35.80	17.54	0.49	4149	32.94	16.14	0.49	4354	32.61	15.98	0.49	4398	26.90	13.18	0.49	4564	26.09	12.79	0.49	4595	23.22	11.38	0.49	4687	22.30	10.92	0.49	4733	21.18	10.38	0.49	4827
	24	75.2	24	75.2	36.30	13.43	0.37	4168	33.40	12.36	0.37	4374	33.06	12.23	0.37	4417	27.28	10.09	0.37	4583	26.46	9.79	0.37	4615	23.55	8.71	0.37	4706	22.61	8.36	0.37	4753	21.48	7.95	0.37	4847
	25	77.0	18	64.4	35.21	27.11	0.77	4149	32.40	24.95	0.77	4357	32.07	24.70	0.77	4401	26.46	20.37	0.77	4568	25.67	19.76	0.77	4601	22.84	17.59	0.77	4693	21.93	16.89	0.77	4740	20.83	16.04	0.77	4835
	25	77.0	20	68.0	36.29	23.59	0.65	4174	33.39	21.70	0.65	4382	33.05	21.49	0.65	4425	27.27	17.73	0.65	4593	26.45	17.19	0.65	4625	23.54	15.30	0.65	4717	22.60	14.69	0.65	4764	21.47	13.96	0.65	4859
	25	77.0	22	71.6	36.91	19.56	0.53	4190	33.96	18.00	0.53	4398	33.62	17.82	0.53	4442	27.73	14.70	0.53	4610	26.90	14.26	0.53	4642	23.94	12.69	0.53	4734	22.98	12.18	0.53	4781	21.84	11.57	0.53	4876
	25	77.0	24	75.2	37.43	15.34	0.41	4210	34.43	14.12	0.41	4418	34.09	13.98	0.41	4462	28.12	11.53	0.41	4629	27.28	11.18	0.41	4661	24.28	9.95	0.41	4754	23.31	9.56	0.41	4801	22.14	9.08	0.41	4896
	26	78.8	18	64.4	36.30	29.41	0.81	4191	33.40	27.05	0.81	4401	33.06	26.78	0.81	4445	27.28	22.10	0.81	4615	26.46	21.43	0.81	4647	23.55	19.08	0.81	4740	22.61	18.31	0.81	4788	21.48	17.40	0.81	4884
	26	78.8	20	68.0	37.41	25.82	0.69	4216	34.42	23.75	0.69	4426	34.08	23.51	0.69	4470	28.11	19.40	0.69	4639	27.27	18.82	0.69	4672	24.27	16.75	0.69	4765	23.30	16.08	0.69	4812	22.13	15.27	0.69	4908
	26	78.8	22	71.6	38.05	21.69	0.57	4233	35.01	19.95	0.57	4443	34.66	19.75	0.57	4487	28.59	16.30	0.57	4656	27.73	15.81	0.57	4689	24.68	14.07	0.57	4782	23.70	13.51	0.57	4829	22.51	12.83	0.57	4925
	26	78.8	24	75.2	38.58	17.36	0.45	4253	35.50	15.97	0.45	4463	35.14	15.81	0.45	4507	28.99	13.05	0.45	4676	28.12	12.65	0.45	4708	25.03	11.26	0.45	4802	24.03	10.81	0.45	4849	22.83	10.27	0.45	4945
	26	78.8	26	78.8	39.20	12.94	0.33	4275	36.06	11.90	0.33	4485	35.70	11.78	0.33	4529	29.46	9.72	0.33	4699	28.57	9.43	0.33	4731	25.43	8.39	0.33	4824	24.41	8.06	0.33	4872	23.19	7.65	0.33	4968
	27	80.6	18	64.4	37.04	31.49	0.85	4234	34.08	28.97	0.85	4446	33.74	28.68	0.85	4490	27.84	23.66	0.85	4661	27.00	22.95	0.85	4694	24.03	20.43	0.85	4788	23.07	19.61	0.85	4836	21.92	18.63	0.85	4933
	27	80.6	19	66.2	37.80	29.86	0.79	4244	34.78	27.47	0.79	4456	34.43	27.20	0.79	4500	28.40	22.44	0.79	4671	27.55	21.77	0.79	4704	24.52	19.37	0.79	4798	23.54	18.60	0.79	4846	22.36	17.67	0.79	4943
	27	80.6	20	68.0	38.18	27.87	0.73	4259	35.12	25.64	0.73	4471	34.77	25.38	0.73	4515	28.69	20.94	0.73	4686	27.83	20.31	0.73	4719	24.77	18.08	0.73	4813	23.78	17.36	0.73	4861	22.59	16.49	0.73	4958
	27	80.6	22	71.6	38.83	23.68	0.61	4276	35.72	21.79	0.61	4488	35.36	21.57	0.61	4532	29.18	17.80	0.61	4703	28.30	17.26	0.61	4736	25.19	15.36	0.61	4830	24.18	14.75	0.61	4878	22.97	14.01	0.61	4975
	27	80.6	24	75.2	39.37	19.29	0.49	4296	36.22	17.75	0.49	4508	35.86	17.57	0.49	4552	29.58	14.50	0.49	4723	28.70	14.06	0.49	4756	25.54	12.51	0.49	4850	24.52	12.01	0.49	4898	23.29	11.41	0.49	4995
	27	80.6	26	78.8	40.00	14.80	0.37	4319	36.80	13.62	0.37	4531	36.43	13.48	0.37	4575	30.06	11.12	0.37	4746	29.16	10.79	0.37	4779	25.95	9.60	0.37	4873	24.91	9.22	0.37	4921	23.66	8.76	0.37	5018
	28	82.4	18	64.4	37.41	33.30	0.89	4276	34.42	30.63	0.89	4490	34.08	30.33	0.89	4535	28.11	25.02	0.89	4708	27.27	24.27	0.89	4741	24.27	21.60	0.89	4836	23.30	20.74	0.89	4884	22.13	19.70	0.89	4982
	28	82.4	20	68.0	38.18	29.40	0.77	4301	35.12	27.05	0.77	4515	34.77	26.77	0.77	4560	28.69	22.09	0.77	4733	27.83	21.43	0.77	4766	24.77	19.07	0.77	4861	23.78	18.31	0.77	4910	22.59	17.39	0.77	5007
	28	82.4	22	71.6	38.56	25.06	0.65	4318	35.47	23.06	0.65	4533	35.12	22.83	0.65	4578	28.97	18.83	0.65	4750	28.10	18.27	0.65	4783	25.01	16.26	0.65	4878	24.01	15.61	0.65	4927	22.81	14.83	0.65	5025
	28	82.4	24	75.2	39.22	20.78	0.53	4338	36.08	19.12	0.53	4553	35.72	18.93	0.53	4598	29.47	15.62	0.53	4770	28.58	15.15	0.53	4803	25.44	13.48	0.53	4899	24.42	12.94	0.53	4947	23.20	12.30	0.53	5045
	28	82.4	26	78.8	39.76	16.30	0.41	4362	36.58	15.00	0.41	4576	36.22	14.85	0.41	4621	29.88	12.25	0.41	4794	28.98	11.88	0.41	4827	25.79	10.58	0.41	4922	24.76	10.15	0.41	4970	23.52	9.65	0.41	5068
	29	84.2	18	64.4	37.79	34.39	0.91	4319	34.77	31.64	0.91	4535	34.42	31.32	0.91	4580	28.39	25.84	0.91	4755	27.54	25.06	0.91	4788	24.51	22.31	0.91	4884	23.53	21.41	0.91	4933	22.36	20.34	0.91	5032
	29	84.2	20	68.0	38.56	31.23	0.81	4344	35.47	28.73	0.81	4561	35.12	28.45	0.81	4606	28.97	23.47	0.81	4780	28.10	22.77	0.81	4814	25.01	20.26	0.81	4910	24.01	19.45	0.81	4959	22.81	18.48	0.81	5058
	29	84.2	22	71.6	39.33	27.14	0.69	4361	36.18	24.97	0.69	4578	35.82	24.72	0.69	4623	29.55	20.39	0.69	4798	28.67	19.78	0.69	4831	25.51	17.60	0.69	4927	24.49	16.90	0.69	4976	23.27	16.06	0.69	5075
	29	84.2	24	75.2	39.61	22.58	0.57	4382	36.44	20.77	0.57	4598	36.07	20.56	0.57	4644	29.76	16.96	0.57	4818	28.87	16.46	0.57	4852	25.69	14.65	0.57	4948	24.67	14.06	0.57	4996	23.43	13.36	0.57	5095
	29	84.2	26	78.8	40.16	18.07	0.45	4405	36.95	16.63	0.45	4622	36.58	16.46	0.45	4667	30.18	13.58	0.45	4842	29.27	13.17	0.45	4875	26.05	11.72	0.45	4971	25.01	11.25	0.45	5020	23.76	10.69	0.45	5119
	30	86.0	18	64.4	38.17	34.73	0.91	4362	35.11	31.95	0.91	4580	34.76	31.63	0.91	4626	28.68	26.10	0.91	4802	27.82	25.31	0.91	4836	24.76	22.53	0.91	4933	23.77	21.63	0.91	4983	22.58	20.55	0.91	5082
	30	86.0	20	68.0	38.95	33.10	0.85	4388	35.83	30.46	0.85	4606	35.47	30.15	0.85	4652	29.26	24.87	0.85	4828	28.39	24.13	0.85	4862	25.26	21.47	0.85	4959	24.25	20.62	0.85	5008	23.04	19.58	0.85	5108
	30	86.0	22	71.6	39.72	29.00	0.73	4405	36.55	26.68	0.73	4624	36.18	26.41	0.73	4670	29.85	21.79	0.73	4846	28.95	21.14	0.73	4879	25.77	18.81	0.73	4976	24.74	18.06	0.73	5026	23.50	17.16	0.73	5126
	30	86.0	24	75.2	40.00	24.40	0.61	4426	36.80	22.45	0.61	4644	36.44	22.23	0.61	4690	30.06	18.34	0.61	4866	29.16	17.79	0.61	4900	25.95	15.83	0.61	4997	24.91	15.20	0.61	5046	23.67	14.44	0.61	5146
	30	86.0	26	78.8	40.56	19.88	0.49	4449	37.32	18.29	0.49	4668	36.95	18.10	0.49	4714	30.48	14.94	0.49	4890	29.57	14.49	0.49	4924	26.31	12.89	0.49	5021	25.26	12.38	0.49	5070	24.00	11.76	0.49	5170
	31	87.8	18	64.4	38.55	35.08	0.91	4405	35.46	32.27	0.91	4626	35.11	31.95	0.91	4673	28.97	26.36	0.91	4851	28.10	25.57	0.91	4885	25.01	22.76	0.91	4982	24.01	21.85	0.91	5032	22.81	20.75	0.91	5133
	31	87.8	20	68.0	39.33	35.01	0.89	4431	36.19	32.21	0.89	4652	35.83	31.89	0.89	4699	29.56	26.31	0.89	4877	28.67	25.52	0.89	4911	25.52	22.71	0.89	5008	24.50	21.80	0.89	5058	23.27	20.71	0.89	5159
	31	87.8	22	71.6	40.12	30.89	0.77	4449	36.91	28.42	0.77	4670	36.54	28.14	0.77	4716	30.15	23.21	0.77	4894	29.24	22.52	0.77	4928	26.03	20.04	0.77	5026	24.99	19.24	0.77	5076	23.74	18.28	0.77	5177
	31	87.8	24	75.2	40.40	26.26	0.65	4470	37.17	24.16	0.65	4691	36.80	23.92	0.65	4737	30.36	19.73	0.65	4915	29.45	19.14	0.65	4949	26.21	17.04	0.65	5047	25.16	16.35	0.65	5097	23.90	15.54	0.65	5198
	31	87.8	26	78.8	40.97	21.71	0.53	4494	37.69	19.98	0.53	4715	37.31	19.78	0.53	4761	30.78	16.32	0.53	4939	29.86	15.83	0.53	4973	26.58	14.09	0.53	5071	25.51	13.52	0.53	5121	24.24	12.85	0.53	5222
	32	89.6	18	64.4	38.93	35.43	0.91	4449	35.82	32.60	0.91	4672	35.46	32.27	0.91	4719	29.26	26.62	0.91	4899	28.38	25.82	0.91	4933	25.26	22.98	0.91	5032	24.25	22.06	0.91	5083	23.03	20.96	0.91	5185
	32	89.6	20	68.0	39.73	36.15	0.91	4476	36.55	33.26	0.91	4699	36.18	32.93	0.91	4746	29.85	27.17	0.91	4925	28.96	26.35	0.91	4960	25.77	23.45	0.91	5059	24.74	22.51	0.91	5109	23.50	21.39	0.91	5211
	32	89.6	22	71.6	40.52	32.82	0.81	4494	37.28	30.20	0.81	4717	36.91	29.90	0.81	4763	30.45	24.66	0.81	4943	29.54	23.92	0.81	4978	26.29	21.29	0.81	5076	25.24	20.44	0.81	5127	23.97	19.42	0.81	5229
	32	89.6	24	75.2	40.81	28.16	0.69	4515	37.54	25.90	0.69	4738	37.17	25.65	0.69	4784	30.66	21.16	0.69	4964	29.74	20.52	0.69	4999	26.47	18.27	0.69	5097	25.41	17.53	0.69	5148	24.14	16.66	0.69	5250
	32	89.6	26	78.8	41.38	23.59	0.57	4539	38.07	21.70	0.57	4762	37.69	21.48	0.57	4809	31.09	17.72	0.57	4988	30.16	17.19	0.57	5023	26.84	15.30	0.57	5122	25.77	14.69	0.57	5172	24.48	13.95	0.57	5274

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
110%	21	69.8	18	64.4	35.90	21.90	0.61	3062	35.54	21.68	0.61	3090	35.15	21.44	0.61	3118	34.70	21.17	0.61	3143	34.36	20.96	0.61	3159	33.98	20.73	0.61	3264	33.52	20.44	0.61	3407	32.92	20.08	0.61	3637	32.15	19.61	0.61	3805
	21	69.8	20	68.0	37.38	18.31	0.49	3085	37.01	18.13	0.49	3113	36.60	17.94	0.49	3141	36.13	17.71	0.49	3167	35.78	17.53	0.49	3182	35.39	17.34	0.49	3287	34.90	17.10	0.49	3431	34.28	16.80	0.49	3660	33.48	16.40	0.49	3828
	22	71.6	18	64.4	37.01	24.05	0.65	3093	36.64	23.82	0.65	3121	36.24	23.56	0.65	3149	35.78	23.25	0.65	3175	35.42	23.02	0.65	3191	35.04	22.77	0.65	3297	34.55	22.46	0.65	3442	33.94	22.06	0.65	3674	33.15	21.54	0.65	3843
	22	71.6	20	68.0	38.14	20.21	0.53	3117	37.76	20.01	0.53	3145	37.35	19.80	0.53	3173	36.87	19.54	0.53	3199	36.51	19.35	0.53	3215	36.11	19.14	0.53	3320	35.61	18.87	0.53	3465	34.98	18.54	0.53	3697	34.16	18.10	0.53	3867
	22	71.6	22	71.6	38.79	15.90	0.41	3133	38.40	15.75	0.41	3161	37.98	15.57	0.41	3189	37.50	15.37	0.41	3215	37.13	15.22	0.41	3231	36.72	15.06	0.41	3337	36.22	14.85	0.41	3482	35.57	14.59	0.41	3714	34.74	14.24	0.41	3883
	23	73.4	18	64.4	37.76	26.05	0.69	3124	37.39	25.80	0.69	3152	36.98	25.52	0.69	3181	36.51	25.19	0.69	3207	36.14	24.94	0.69	3223	35.75	24.67	0.69	3330	35.26	24.33	0.69	3476	34.63	23.90	0.69	3711	33.82	23.34	0.69	3882
	23	73.4	20	68.0	38.92	22.18	0.57	3148	38.53	21.96	0.57	3176	38.11	21.72	0.57	3205	37.62	21.45	0.57	3231	37.25	21.23	0.57	3247	36.85	21.00	0.57	3354	36.34	20.71	0.57	3500	35.69	20.35	0.57	3735	34.86	19.87	0.57	3906
	23	73.4	22	71.6	39.58	17.81	0.45	3164	39.19	17.63	0.45	3193	38.76	17.44	0.45	3222	38.26	17.22	0.45	3247	37.88	17.05	0.45	3263	37.47	16.86	0.45	3370	36.95	16.63	0.45	3517	36.30	16.34	0.45	3751	35.45	15.95	0.45	3922
	24	75.2	18	64.4	38.53	28.13	0.73	3156	38.15	27.85	0.73	3184	37.73	27.55	0.73	3213	37.25	27.19	0.73	3239	36.88	26.92	0.73	3256	36.48	26.63	0.73	3364	35.98	26.26	0.73	3511	35.34	25.80	0.73	3748	34.51	25.19	0.73	3921
	24	75.2	20	68.0	39.71	24.22	0.61	3180	39.32	23.98	0.61	3209	38.89	23.72	0.61	3238	38.39	23.42	0.61	3264	38.01	23.19	0.61	3280	37.60	22.93	0.61	3388	37.08	22.62	0.61	3536	36.42	22.22	0.61	3772	35.57	21.70	0.61	3945
	24	75.2	22	71.6	40.39	19.79	0.49	3196	39.99	19.59	0.49	3225	39.55	19.38	0.49	3254	39.04	19.13	0.49	3280	38.66	18.94	0.49	3296	38.24	18.74	0.49	3404	37.71	18.48	0.49	3552	37.04	18.15	0.49	3789	36.17	17.72	0.49	3962
	24	75.2	24	75.2	40.95	15.15	0.37	3216	40.55	15.00	0.37	3244	40.10	14.84	0.37	3273	39.59	14.65	0.37	3299	39.20	14.50	0.37	3316	38.77	14.35	0.37	3424	38.24	14.15	0.37	3572	37.56	13.90	0.37	3808	36.68	13.57	0.37	3981
	25	77.0	18	64.4	39.72	30.59	0.77	3187	39.33	30.28	0.77	3216	38.90	29.95	0.77	3246	38.40	29.57	0.77	3272	38.02	29.28	0.77	3289	37.61	28.96	0.77	3398	37.09	28.56	0.77	3547	36.43	28.05	0.77	3786	35.58	27.40	0.77	3961
	25	77.0	20	68.0	40.94	26.61	0.65	3212	40.53	26.35	0.65	3241	40.09	26.06	0.65	3270	39.58	25.73	0.65	3297	39.19	25.47	0.65	3313	38.76	25.19	0.65	3422	38.22	24.85	0.65	3571	37.55	24.41	0.65	3811	36.67	23.83	0.65	3985
	25	77.0	22	71.6	41.63	22.07	0.53	3229	41.22	21.85	0.53	3258	40.77	21.61	0.53	3287	40.25	21.33	0.53	3313	39.85	21.12	0.53	3330	39.42	20.89	0.53	3439	38.87	20.60	0.53	3588	38.19	20.24	0.53	3827	37.29	19.76	0.53	4002
	25	77.0	24	75.2	42.22	17.31	0.41	3248	41.80	17.14	0.41	3277	41.34	16.95	0.41	3307	40.81	16.73	0.41	3333	40.41	16.57	0.41	3349	39.97	16.39	0.41	3458	39.42	16.16	0.41	3608	38.72	15.88	0.41	3847	37.81	15.50	0.41	4022
	26	78.8	18	64.4	40.95	33.17	0.81	3220	40.55	32.84	0.81	3249	40.10	32.48	0.81	3279	39.59	32.07	0.81	3305	39.20	31.75	0.81	3322	38.77	31.41	0.81	3432	38.24	30.97	0.81	3583	37.56	30.42	0.81	3824	36.68	29.71	0.81	4001
	26	78.8	20	68.0	42.21	29.12	0.69	3244	41.79	28.83	0.69	3274	41.33	28.52	0.69	3303	40.80	28.15	0.69	3330	40.40	27.87	0.69	3346	39.96	27.57	0.69	3457	39.41	27.19	0.69	3608	38.71	26.71	0.69	3849	37.80	26.08	0.69	4026
	26	78.8	22	71.6	42.92	24.47	0.57	3261	42.50	24.22	0.57	3291	42.04	23.96	0.57	3320	41.50	23.65	0.57	3347	41.08	23.42	0.57	3363	40.64	23.16	0.57	3473	40.08	22.84	0.57	3624	39.37	22.44	0.57	3866	38.45	21.91	0.57	4042
	26	78.8	24	75.2	43.52	19.59	0.45	3281	43.09	19.39	0.45	3310	42.62	19.18	0.45	3340	42.08	18.93	0.45	3366	41.66	18.75	0.45	3383	41.21	18.54	0.45	3493	40.64	18.29	0.45	3644	39.92	17.96	0.45	3886	38.98	17.54	0.45	4062
	26	78.8	26	78.8	44.22	14.59	0.33	3304	43.78	14.45	0.33	3333	43.31	14.29	0.33	3363	42.75	14.11	0.33	3389	42.33	13.97	0.33	3406	41.87	13.82	0.33	3516	41.29	13.63	0.33	3667	40.56	13.38	0.33	3908	39.61	13.07	0.33	4085
	27	80.6	18	64.4	41.79	35.52	0.85	3252	41.37	35.17	0.85	3282	40.92	34.78	0.85	3312	40.40	34.34	0.85	3338	40.00	34.00	0.85	3355	39.56	33.63	0.85	3467	39.02	33.16	0.85	3619	38.33	32.58	0.85	3863	37.43	31.81	0.85	4041
	27	80.6	19	66.2	42.64	33.69	0.79	3262	42.22	33.35	0.79	3292	41.76	32.99	0.79	3322	41.22	32.57	0.79	3348	40.81	32.24	0.79	3365	40.37	31.89	0.79	3477	39.81	31.45	0.79	3629	39.11	30.90	0.79	3873	38.19	30.17	0.79	4051
	27	80.6	20	68.0	43.07	31.44	0.73	3277	42.64	31.13	0.73	3307	42.18	30.79	0.73	3337	41.63	30.39	0.73	3363	41.22	30.09	0.73	3380	40.77	29.77	0.73	3492	40.21	29.35	0.73	3644	39.50	28.84	0.73	3888	38.57	28.16	0.73	4066
	27	80.6	22	71.6	43.80	26.72	0.61	3294	43.36	26.45	0.61	3324	42.89	26.16	0.61	3354	42.34	25.83	0.61	3380	41.92	25.57	0.61	3397	41.47	25.30	0.61	3509	40.89	24.95	0.61	3661	40.17	24.50	0.61	3905	39.23	23.93	0.61	4083
	27	80.6	24	75.2	44.41	21.76	0.49	3314	43.97	21.55	0.49	3344	43.49	21.31	0.49	3374	42.94	21.04	0.49	3400	42.51	20.83	0.49	3417	42.05	20.60	0.49	3529	41.47	20.32	0.49	3681	40.73	19.96	0.49	3925	39.78	19.49	0.49	4103
	27	80.6	26	78.8	45.12	16.70	0.37	3337	44.68	16.53	0.37	3367	44.19	16.35	0.37	3397	43.62	16.14	0.37	3423	43.19	15.98	0.37	3440	42.72	15.81	0.37	3552	42.13	15.59	0.37	3704	41.39	15.31	0.37	3948	40.42	14.95	0.37	4126
	28	82.4	18	64.4	42.21	37.56	0.89	3285	41.79	37.19	0.89	3315	41.33	36.79	0.89	3345	40.80	36.31	0.89	3372	40.40	35.95	0.89	3389	39.96	35.56	0.89	3501	39.41	35.07	0.89	3655	38.71	34.45	0.89	3902	37.80	33.64	0.89	4082
	28	82.4	20	68.0	43.07	33.16	0.77	3310	42.64	32.83	0.77	3340	42.18	32.48	0.77	3370	41.63	32.06	0.77	3397	41.22	31.74	0.77	3414	40.77	31.40	0.77	3526	40.21	30.96	0.77	3680	39.50	30.42	0.77	3927	38.57	29.70	0.77	4107
	28	82.4	22	71.6	43.50	28.27	0.65	3327	43.07	27.99	0.65	3357	42.60	27.69	0.65	3387	42.05	27.33	0.65	3414	41.63	27.06	0.65	3431	41.18	26.77	0.65	3544	40.61	26.40	0.65	3698	39.90	25.93	0.65	3944	38.96	25.32	0.65	4124
	28	82.4	24	75.2	44.24	23.45	0.53	3347	43.80	23.21	0.53	3377	43.32	22.96	0.53	3407	42.77	22.67	0.53	3434	42.34	22.44	0.53	3451	41.88	22.20	0.53	3564	41.30	21.89	0.53	3718	40.57	21.50	0.53	3964	39.62	21.00	0.53	4144
	28	82.4	26	78.8	44.86	18.39	0.41	3371	44.41	18.21	0.41	3400	43.93	18.01	0.41	3431	43.36	17.78	0.41	3458	42.94	17.60	0.41	3475	42.47	17.41	0.41	3587	41.88	17.17	0.41	3741	41.14	16.87	0.41	3987	40.18	16.47	0.41	4167
	29	84.2	18	64.4	42.63	38.79	0.91	3318	42.21	38.41	0.91	3348	41.75	37.99	0.91	3378	41.21	37.50	0.91	3406	40.80	37.13	0.91	3423	40.36	36.73	0.91	3536	39.80	36.22	0.91	3692	39.10	35.58	0.91	3941	38.18	34.74	0.91	4122
	29	84.2	20	68.0	43.50	35.23	0.81	3343	43.07	34.88	0.81	3373	42.60	34.50	0.81	3404	42.05	34.06	0.81	3431	41.63	33.72	0.81	3448	41.18	33.36	0.81	3562	40.61	32.90	0.81	3717	39.90	32.32	0.81	3966	38.96	31.56	0.81	4148
	29	84.2	22	71.6	44.37	30.61	0.69	3360	43.93	30.31	0.69	3391	43.45	29.98	0.69	3421	42.89	29.60	0.69	3448	42.47	29.30	0.69	3466	42.01	28.98	0.69	3579	41.43	28.58	0.69	3735	40.69	28.08	0.69	3983	39.74	27.42	0.69	4165
	29	84.2	24	75.2	44.68	25.47	0.57	3381	44.24	25.21	0.57	3411	43.76	24.94	0.57	3441	43.19	24.62	0.57	3469	42.77	24.38	0.57	3486	42.30	24.11	0.57	3599	41.72	23.78	0.57	3755	40.98	23.36	0.57	4004	40.02	22.81	0.57	4186
	29	84.2	26	78.8	45.30	20.39	0.45	3404	44.86	20.19	0.45	3434	44.37	19.97	0.45	3465	43.80	19.71	0.45	3492	43.36	19.51	0.45	3509	42.89	19.30	0.45	3623	42.30	19.04	0.45	3778	41.55	18.70	0.45	4027	40.58	18.26	0.45	4209
	30	86.0	18	64.4	43.05	39.18	0.91	3351	42.63	38.79	0.91	3381	42.16	38.37	0.91	3412	41.62	37.88	0.91	3440	41.21	37.50	0.91	3457	40.76	37.09	0.91	3572	40.20	36.58	0.91	3729	39.49	35.93	0.91	3980	38.56	35.09	0.91	4164
	30	86.0	20	68.0	43.93	37.34	0.85	3376	43.50	36.97	0.85	3407	43.02	36.57	0.85	3438	42.47	36.10	0.85	3465	42.05	35.74	0.85	3483	41.59	35.35	0.85	3597	41.02	34.87	0.85	3754	40.29	34.25	0.85	4006	39.35	33.45	0.85	4189
	30	86.0	22	71.6	44.81	32.71	0.73	3394	44.37	32.39	0.73	3424	43.88	32.04	0.73	3455	43.32	31.62	0.73	3483	42.89	31.31	0.73	3500	42.43	30.97	0.73	3615	41.84	30.54	0.73	3772	41.10	30.00	0.73	4023	40.14	29.30	0.73	4207
	30	86.0	24	75.2	45.13	27.53	0.61	3415	44.68	27.25	0.61	3445	44.19	26.96	0.61	3476	43.63	26.61	0.61	3504	43.19	26.35	0.61	3521	42.72	26.06	0.61	3635	42.13	25.70	0.61	3792	41.39	25.25	0.61	4044	40.42	24.66	0.61	4228
	30	86.0	26	78.8	45.76	22.42	0.49	3438	45.30	22.20	0.49	3469	44.81	21.96	0.49	3500	44.24	21.68	0.49	3527	43.80	21.46	0.49	3545	43.32	21.23	0.49	3659	42.72	20.93	0.49	3816	41.97	20.56	0.49	4068	40.98	20.08	0.49	4251
	31	87.8	18	64.4	43.48	39.57	0.91	3384	43.05	39.18	0.91	3415	42.58	38.75	0.91	3446	42.04	38.25	0.91	3474	41.62	37.88	0.91	3492	41.17	37.46	0.91	3607	40.60	36.95	0.91	3766	39.88	36.29	0.91	4020	38.95	35.44	0.91	4205
	31	87.8	20	68.0	44.37	39.49	0.89	3410	43.93	39.10	0.89	3441	43.45	38.67	0.89	3472	42.90	38.18	0.89	3500	42.47	37.80	0.89	3518	42.01	37.39	0.89	3633	41.43	36.87	0.89	3792	40.70	36.22	0.89	4046	39.74	35.37	0.89	4231
	31	87.8	22	71.6	45.26	34.85	0.77	3428	44.81	34.50	0.77	3459	44.32	34.13	0.77	3490	43.75	33.69	0.77	3518	43.32	33.36	0.77	3535	42.85	32.99	0.77	3651	42.26	32.54	0.77	3810	41.51	31.96	0.77	4064	40.54	31.21	0.77	4249
	31	87.8	24	75.2	45.58	29.62	0.65	3449	45.13	29.33	0.65	3480	44.63	29.01	0.65	3511	44.06	28.64	0.65	3539	43.63	28.36	0.65	3556	43.15	28.05	0.65	3672	42.56	27.66	0.65	3830	41.80	27.17	0.65	4084	40.82	26.53	0.65	4270
	31	87.8	26	78.8	46.21	24.49	0.53	3473	45.76	24.25	0.53	3503	45.26	23.99	0.53	3535	44.68	23.68	0.53	3562	44.24	23.45	0.53	3580	43.76	23.19	0.53	3696	43.15	22.87	0.53	3854	42.39	22.47	0.53	4108	41.39	21.94	0.53	4294
	32	89.6	18	64.4	43.92	39.97	0.91	3418	43.48	39.57	0.91	3449	43.01	39.14	0.91	3481	42.46	38.64	0.91	3509	42.04	38.25	0.91	3526	41.58	37.84	0.91	3643	41.01	37.32	0.91	3804	40.28	36.66	0.91	4060	39.34	35.80	0.91	4247
	32	89.6	20	68.0	44.82	40.78	0.91	3444	44.37	40.38	0.91	3475	43.89	39.94	0.91	3507	43.33	39.43	0.91	3535	42.90	39.04	0.91	3553	42.43	38.61	0.91	3670	41.84	38.08	0.91	3830	41.10	37.40	0.91	4086	40.14	36.53	0.91	4274
	32	89.6	22	71.6	45.71	37.03	0.81	3462	45.26	36.66	0.81	3493	44.77	36.26	0.81	3525	44.19	35.80	0.81	3553	43.75	35.44	0.81	3571	43.28	35.06	0.81	3688	42.68	34.57	0.81	3848	41.93	33.96	0.81	4104	40.94	33.16	0.81	4291
	32	89.6	24	75.2	46.03	31.76	0.69	3483	45.58	31.45	0.69	3514	45.08	31.11	0.69	3546	44.50	30.71	0.69	3574	44.06	30.40	0.69	3592	43.58	30.07	0.69	3709	42.98	29.66	0.69	3869	42.22	29.13	0.69	4125	41.23	28.45	0.69	4313
	32	89.6	26	78.8	46.68	26.61	0.57	3507	46.21	26.34	0.57	3539	45.71	26.06	0.57	3570	45.13	25.72	0.57	3598	44.68	25.47	0.57	3616	44.19	25.19	0.57	3733	43.58	24.84	0.57	3893	42.81	24.40	0.57	4149	41.81	23.83	0.57	4337

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
110%	21	69.8	18	64.4	31.21	19.04	0.61	3947	29.03	17.71	0.61	4145	28.74	17.53	0.61	4187	23.71	14.46	0.61	4346	23.00	14.03	0.61	4376	20.47	12.49	0.61	4464	19.65	11.99	0.61	4509	18.67	11.39	0.61	4599
	21	69.8	20	68.0	32.50	15.93	0.49	3971	30.23	14.81	0.49	4169	29.92	14.66	0.49	4210	24.69	12.10	0.49	4370	23.95	11.73	0.49	4400	21.31	10.44	0.49	4488	20.46	10.03	0.49	4532	19.44	9.52	0.49	4623
	22	71.6	18	64.4	32.18	20.92	0.65	3987	29.93	19.45	0.65	4187	29.63	19.26	0.65	4229	24.44	15.89	0.65	4390	23.71	15.41	0.65	4421	21.10	13.72	0.65	4509	20.26	13.17	0.65	4554	19.24	12.51	0.65	4646
	22	71.6	20	68.0	33.17	17.58	0.53	4011	30.84	16.35	0.53	4211	30.54	16.18	0.53	4253	25.19	13.35	0.53	4414	24.44	12.95	0.53	4444	21.75	11.53	0.53	4533	20.88	11.07	0.53	4578	19.83	10.51	0.53	4670
	22	71.6	22	71.6	33.73	13.83	0.41	4027	31.37	12.86	0.41	4227	31.05	12.73	0.41	4269	25.62	10.50	0.41	4430	24.85	10.19	0.41	4461	22.12	9.07	0.41	4549	21.23	8.71	0.41	4594	20.17	8.27	0.41	4686
	23	73.4	18	64.4	32.84	22.66	0.69	4027	30.54	21.07	0.69	4229	30.23	20.86	0.69	4272	24.94	17.21	0.69	4434	24.19	16.69	0.69	4465	21.53	14.86	0.69	4555	20.67	14.26	0.69	4600	19.64	13.55	0.69	4693
	23	73.4	20	68.0	33.84	19.29	0.57	4051	31.47	17.94	0.57	4253	31.16	17.76	0.57	4296	25.71	14.65	0.57	4458	24.93	14.21	0.57	4489	22.19	12.65	0.57	4579	21.30	12.14	0.57	4624	20.24	11.54	0.57	4717
	23	73.4	22	71.6	34.42	15.49	0.45	4068	32.01	14.40	0.45	4269	31.69	14.26	0.45	4312	26.14	11.76	0.45	4475	25.36	11.41	0.45	4506	22.57	10.16	0.45	4595	21.67	9.75	0.45	4641	20.58	9.26	0.45	4733
	24	75.2	18	64.4	33.51	24.46	0.73	4068	31.16	22.75	0.73	4272	30.85	22.52	0.73	4315	25.45	18.58	0.73	4479	24.69	18.02	0.73	4510	21.97	16.04	0.73	4601	21.09	15.40	0.73	4647	20.04	14.63	0.73	4740
	24	75.2	20	68.0	34.53	21.06	0.61	4092	32.12	19.59	0.61	4296	31.79	19.39	0.61	4339	26.23	16.00	0.61	4503	25.44	15.52	0.61	4535	22.64	13.81	0.61	4625	21.74	13.26	0.61	4671	20.65	12.60	0.61	4764
	24	75.2	22	71.6	35.12	17.21	0.49	4109	32.66	16.00	0.49	4313	32.33	15.84	0.49	4355	26.68	13.07	0.49	4520	25.88	12.68	0.49	4551	23.03	11.28	0.49	4642	22.11	10.83	0.49	4688	21.00	10.29	0.49	4781
	24	75.2	24	75.2	35.61	13.18	0.37	4128	33.12	12.25	0.37	4332	32.79	12.13	0.37	4375	27.05	10.01	0.37	4539	26.24	9.71	0.37	4571	23.35	8.64	0.37	4661	22.42	8.29	0.37	4707	21.30	7.88	0.37	4800
	25	77.0	18	64.4	34.54	26.60	0.77	4109	32.13	24.74	0.77	4315	31.80	24.49	0.77	4358	26.24	20.20	0.77	4524	25.45	19.60	0.77	4556	22.65	17.44	0.77	4647	21.75	16.74	0.77	4694	20.66	15.91	0.77	4788
	25	77.0	20	68.0	35.60	23.14	0.65	4134	33.11	21.52	0.65	4340	32.78	21.31	0.65	4383	27.04	17.58	0.65	4549	26.23	17.05	0.65	4580	23.34	15.17	0.65	4672	22.41	14.57	0.65	4718	21.29	13.84	0.65	4812
	25	77.0	22	71.6	36.21	19.19	0.53	4150	33.67	17.85	0.53	4356	33.33	17.67	0.53	4399	27.50	14.58	0.53	4565	26.68	14.14	0.53	4597	23.74	12.58	0.53	4688	22.79	12.08	0.53	4735	21.65	11.48	0.53	4829
	25	77.0	24	75.2	36.71	15.05	0.41	4170	34.14	14.00	0.41	4376	33.80	13.86	0.41	4419	27.89	11.43	0.41	4585	27.05	11.09	0.41	4617	24.07	9.87	0.41	4708	23.11	9.48	0.41	4755	21.96	9.00	0.41	4849
	26	78.8	18	64.4	35.61	28.85	0.81	4151	33.12	26.83	0.81	4359	32.79	26.56	0.81	4402	27.05	21.91	0.81	4570	26.24	21.25	0.81	4602	23.35	18.92	0.81	4694	22.42	18.16	0.81	4741	21.30	17.25	0.81	4836
	26	78.8	20	68.0	36.70	25.32	0.69	4175	34.13	23.55	0.69	4383	33.79	23.32	0.69	4427	27.88	19.24	0.69	4595	27.04	18.66	0.69	4627	24.07	16.61	0.69	4719	23.10	15.94	0.69	4766	21.95	15.14	0.69	4861
	26	78.8	22	71.6	37.33	21.28	0.57	4192	34.71	19.79	0.57	4400	34.37	19.59	0.57	4444	28.35	16.16	0.57	4612	27.50	15.68	0.57	4644	24.48	13.95	0.57	4736	23.50	13.39	0.57	4783	22.32	12.72	0.57	4878
	26	78.8	24	75.2	37.85	17.03	0.45	4212	35.20	15.84	0.45	4420	34.85	15.68	0.45	4464	28.75	12.94	0.45	4631	27.89	12.55	0.45	4663	24.82	11.17	0.45	4756	23.83	10.72	0.45	4803	22.63	10.19	0.45	4898
	26	78.8	26	78.8	38.45	12.69	0.33	4235	35.76	11.80	0.33	4443	35.40	11.68	0.33	4486	29.21	9.64	0.33	4654	28.33	9.35	0.33	4686	25.22	8.32	0.33	4778	24.21	7.99	0.33	4825	23.00	7.59	0.33	4920
	27	80.6	18	64.4	36.34	30.89	0.85	4193	33.79	28.73	0.85	4403	33.46	28.44	0.85	4447	27.60	23.46	0.85	4616	26.77	22.76	0.85	4648	23.83	20.25	0.85	4742	22.88	19.44	0.85	4789	21.73	18.47	0.85	4885
	27	80.6	19	66.2	37.08	29.29	0.79	4203	34.48	27.24	0.79	4413	34.14	26.97	0.79	4457	28.17	22.25	0.79	4626	27.32	21.58	0.79	4658	24.31	19.21	0.79	4752	23.34	18.44	0.79	4799	22.18	17.52	0.79	4895
	27	80.6	20	68.0	37.45	27.34	0.73	4218	34.83	25.43	0.73	4428	34.48	25.17	0.73	4472	28.45	20.77	0.73	4641	27.59	20.14	0.73	4673	24.56	17.93	0.73	4767	23.58	17.21	0.73	4814	22.40	16.35	0.73	4910
	27	80.6	22	71.6	38.09	23.23	0.61	4235	35.42	21.61	0.61	4445	35.07	21.39	0.61	4489	28.93	17.65	0.61	4658	28.06	17.12	0.61	4690	24.98	15.24	0.61	4784	23.98	14.63	0.61	4831	22.78	13.89	0.61	4927
	27	80.6	24	75.2	38.62	18.92	0.49	4255	35.92	17.60	0.49	4465	35.56	17.42	0.49	4509	29.34	14.37	0.49	4678	28.46	13.94	0.49	4710	25.33	12.41	0.49	4804	24.31	11.91	0.49	4851	23.10	11.32	0.49	4947
	27	80.6	26	78.8	39.24	14.52	0.37	4278	36.49	13.50	0.37	4488	36.13	13.37	0.37	4532	29.80	11.03	0.37	4701	28.91	10.70	0.37	4733	25.73	9.52	0.37	4827	24.70	9.14	0.37	4874	23.47	8.68	0.37	4970
	28	82.4	18	64.4	36.70	32.66	0.89	4234	34.13	30.38	0.89	4447	33.79	30.07	0.89	4491	27.88	24.81	0.89	4662	27.04	24.07	0.89	4695	24.07	21.42	0.89	4789	23.10	20.56	0.89	4837	21.95	19.53	0.89	4934
	28	82.4	20	68.0	37.45	28.84	0.77	4260	34.83	26.82	0.77	4472	34.48	26.55	0.77	4516	28.45	21.90	0.77	4688	27.59	21.25	0.77	4720	24.56	18.91	0.77	4814	23.58	18.15	0.77	4862	22.40	17.25	0.77	4959
	28	82.4	22	71.6	37.83	24.59	0.65	4277	35.18	22.87	0.65	4489	34.83	22.64	0.65	4534	28.73	18.68	0.65	4705	27.87	18.12	0.65	4737	24.80	16.12	0.65	4831	23.81	15.48	0.65	4879	22.62	14.70	0.65	4976
	28	82.4	24	75.2	38.47	20.39	0.53	4297	35.78	18.96	0.53	4509	35.42	18.77	0.53	4554	29.22	15.49	0.53	4725	28.34	15.02	0.53	4758	25.23	13.37	0.53	4852	24.22	12.83	0.53	4900	23.01	12.19	0.53	4997
	28	82.4	26	78.8	39.01	15.99	0.41	4320	36.28	14.87	0.41	4533	35.91	14.72	0.41	4577	29.63	12.15	0.41	4748	28.74	11.78	0.41	4781	25.58	10.49	0.41	4875	24.56	10.07	0.41	4923	23.33	9.56	0.41	5020
	29	84.2	18	64.4	37.07	33.73	0.91	4277	34.47	31.37	0.91	4491	34.13	31.06	0.91	4536	28.16	25.62	0.91	4709	27.31	24.85	0.91	4742	24.31	22.12	0.91	4837	23.34	21.24	0.91	4885	22.17	20.17	0.91	4983
	29	84.2	20	68.0	37.83	30.64	0.81	4302	35.18	28.49	0.81	4517	34.83	28.21	0.81	4562	28.73	23.27	0.81	4734	27.87	22.57	0.81	4767	24.80	20.09	0.81	4862	23.81	19.29	0.81	4911	22.62	18.32	0.81	5009
	29	84.2	22	71.6	38.58	26.62	0.69	4320	35.88	24.76	0.69	4534	35.52	24.51	0.69	4579	29.31	20.22	0.69	4752	28.43	19.61	0.69	4785	25.30	17.46	0.69	4880	24.29	16.76	0.69	4928	23.07	15.92	0.69	5026
	29	84.2	24	75.2	38.85	22.15	0.57	4340	36.13	20.60	0.57	4554	35.77	20.39	0.57	4599	29.51	16.82	0.57	4772	28.63	16.32	0.57	4805	25.48	14.52	0.57	4900	24.46	13.94	0.57	4949	23.24	13.24	0.57	5047
	29	84.2	26	78.8	39.40	17.73	0.45	4363	36.64	16.49	0.45	4578	36.27	16.32	0.45	4623	29.93	13.47	0.45	4796	29.03	13.06	0.45	4829	25.83	11.63	0.45	4924	24.80	11.16	0.45	4972	23.56	10.60	0.45	5070
	30	86.0	18	64.4	37.44	34.07	0.91	4320	34.82	31.69	0.91	4536	34.47	31.37	0.91	4581	28.44	25.88	0.91	4756	27.59	25.10	0.91	4789	24.55	22.34	0.91	4885	23.57	21.45	0.91	4934	22.39	20.38	0.91	5033
	30	86.0	20	68.0	38.20	32.47	0.85	4345	35.53	30.20	0.85	4562	35.17	29.90	0.85	4607	29.02	24.67	0.85	4782	28.15	23.93	0.85	4815	25.05	21.29	0.85	4911	24.05	20.44	0.85	4960	22.85	19.42	0.85	5059
	30	86.0	22	71.6	38.97	28.45	0.73	4363	36.24	26.46	0.73	4579	35.88	26.19	0.73	4625	29.60	21.61	0.73	4799	28.71	20.96	0.73	4833	25.55	18.65	0.73	4929	24.53	17.91	0.73	4978	23.30	17.01	0.73	5076
	30	86.0	24	75.2	39.24	23.94	0.61	4383	36.49	22.26	0.61	4600	36.13	22.04	0.61	4645	29.81	18.18	0.61	4820	28.91	17.64	0.61	4853	25.73	15.70	0.61	4949	24.70	15.07	0.61	4998	23.47	14.32	0.61	5097
	30	86.0	26	78.8	39.79	19.50	0.49	4407	37.01	18.13	0.49	4624	36.64	17.95	0.49	4669	30.22	14.81	0.49	4844	29.32	14.37	0.49	4877	26.09	12.79	0.49	4973	25.05	12.27	0.49	5022	23.80	11.66	0.49	5121
	31	87.8	18	64.4	37.81	34.41	0.91	4363	35.17	32.00	0.91	4581	34.82	31.68	0.91	4627	28.72	26.14	0.91	4804	27.86	25.35	0.91	4837	24.80	22.56	0.91	4934	23.80	21.66	0.91	4984	22.61	20.58	0.91	5084
	31	87.8	20	68.0	38.59	34.34	0.89	4389	35.88	31.94	0.89	4607	35.53	31.62	0.89	4653	29.31	26.08	0.89	4830	28.43	25.30	0.89	4863	25.30	22.52	0.89	4960	24.29	21.62	0.89	5010	23.08	20.54	0.89	5110
	31	87.8	22	71.6	39.36	30.31	0.77	4406	36.60	28.18	0.77	4625	36.24	27.90	0.77	4671	29.89	23.02	0.77	4847	29.00	22.33	0.77	4881	25.81	19.87	0.77	4978	24.78	19.08	0.77	5027	23.54	18.12	0.77	5127
	31	87.8	24	75.2	39.63	25.76	0.65	4427	36.86	23.96	0.65	4646	36.49	23.72	0.65	4692	30.11	19.57	0.65	4868	29.20	18.98	0.65	4902	25.99	16.89	0.65	4999	24.95	16.22	0.65	5048	23.70	15.41	0.65	5148
	31	87.8	26	78.8	40.19	21.30	0.53	4451	37.38	19.81	0.53	4670	37.00	19.61	0.53	4716	30.53	16.18	0.53	4892	29.61	15.69	0.53	4926	26.35	13.97	0.53	5023	25.30	13.41	0.53	5072	24.03	12.74	0.53	5172
	32	89.6	18	64.4	38.19	34.75	0.91	4406	35.52	32.32	0.91	4627	35.16	32.00	0.91	4674	29.01	26.40	0.91	4852	28.14	25.61	0.91	4886	25.04	22.79	0.91	4984	24.04	21.88	0.91	5033	22.84	20.78	0.91	5134
	32	89.6	20	68.0	38.97	35.46	0.91	4433	36.24	32.98	0.91	4653	35.88	32.65	0.91	4700	29.60	26.94	0.91	4878	28.71	26.13	0.91	4912	25.56	23.26	0.91	5010	24.53	22.33	0.91	5060	23.31	21.21	0.91	5161
	32	89.6	22	71.6	39.75	32.20	0.81	4451	36.97	29.94	0.81	4671	36.60	29.64	0.81	4718	30.19	24.46	0.81	4896	29.29	23.72	0.81	4930	26.07	21.11	0.81	5028	25.02	20.27	0.81	5078	23.77	19.26	0.81	5178
	32	89.6	24	75.2	40.03	27.62	0.69	4472	37.23	25.69	0.69	4692	36.86	25.43	0.69	4739	30.41	20.98	0.69	4917	29.49	20.35	0.69	4951	26.25	18.11	0.69	5049	25.20	17.39	0.69	5099	23.94	16.52	0.69	5200
	32	89.6	26	78.8	40.59	23.14	0.57	4496	37.75	21.52	0.57	4717	37.37	21.30	0.57	4763	30.83	17.57	0.57	4941	29.91	17.05	0.57	4975	26.62	15.17	0.57	5073	25.55	14.56	0.57	5123	24.27	13.84	0.57	5224

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					-15(5F)				-7(19,4F)				0(32F)				10(50F)				15(59F)				21(69,8F)				25(77F)				27(80,6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
100%	21	69,8	18	64,4	34,85	21,26	0,61	2987	34,50	21,05	0,61	3014	34,13	20,82	0,61	3042	33,69	20,55	0,61	3066	33,36	20,35	0,61	3082	32,99	20,13	0,61	3184	32,54	19,85	0,61	3324	31,96	19,50	0,61	3548	31,21	19,04	0,61	3712
	21	69,8	20	68,0	36,29	17,78	0,49	3010	35,93	17,60	0,49	3038	35,54	17,41	0,49	3065	35,08	17,19	0,49	3090	34,73	17,02	0,49	3105	34,36	16,83	0,49	3207	33,88	16,60	0,49	3347	33,28	16,31	0,49	3571	32,50	15,93	0,49	3735
	22	71,6	18	64,4	35,93	23,35	0,65	3017	35,57	23,12	0,65	3045	35,18	22,87	0,65	3072	34,73	22,58	0,65	3097	34,39	22,35	0,65	3113	34,02	22,11	0,65	3216	33,55	21,80	0,65	3357	32,95	21,42	0,65	3584	32,18	20,92	0,65	3749
	22	71,6	20	68,0	37,03	19,62	0,53	3041	36,66	19,43	0,53	3068	36,26	19,22	0,53	3096	35,80	18,97	0,53	3121	35,44	18,78	0,53	3137	35,06	18,58	0,53	3240	34,57	18,32	0,53	3381	33,96	18,00	0,53	3608	33,17	17,58	0,53	3773
	22	71,6	22	71,6	37,66	15,44	0,41	3057	37,28	15,29	0,41	3085	36,88	15,12	0,41	3112	36,41	14,93	0,41	3137	36,04	14,78	0,41	3153	35,65	14,62	0,41	3256	35,16	14,42	0,41	3397	34,54	14,16	0,41	3624	33,73	13,83	0,41	3789
	23	73,4	18	64,4	36,66	25,30	0,69	3048	36,30	25,05	0,69	3075	35,90	24,77	0,69	3103	35,44	24,46	0,69	3128	35,09	24,21	0,69	3144	34,71	23,95	0,69	3248	34,23	23,62	0,69	3391	33,62	23,20	0,69	3620	32,84	22,66	0,69	3787
	23	73,4	20	68,0	37,78	21,54	0,57	3072	37,41	21,32	0,57	3099	37,00	21,09	0,57	3127	36,53	20,82	0,57	3152	36,17	20,61	0,57	3168	35,77	20,39	0,57	3273	35,28	20,11	0,57	3415	34,65	19,75	0,57	3644	33,84	19,29	0,57	3811
	23	73,4	22	71,6	38,43	17,29	0,45	3088	38,04	17,12	0,45	3116	37,63	16,93	0,45	3144	37,15	16,72	0,45	3169	36,78	16,55	0,45	3185	36,38	16,37	0,45	3289	35,88	16,14	0,45	3432	35,24	15,86	0,45	3660	34,42	15,49	0,45	3827
	24	75,2	18	64,4	37,41	27,31	0,73	3078	37,04	27,04	0,73	3106	36,64	26,74	0,73	3135	36,17	26,40	0,73	3160	35,81	26,14	0,73	3176	35,42	25,85	0,73	3281	34,93	25,50	0,73	3426	34,31	25,05	0,73	3657	33,51	24,46	0,73	3825
	24	75,2	20	68,0	38,55	23,52	0,61	3103	38,17	23,29	0,61	3131	37,76	23,03	0,61	3159	37,27	22,74	0,61	3184	36,90	22,51	0,61	3200	36,50	22,27	0,61	3306	36,00	21,96	0,61	3450	35,36	21,57	0,61	3681	34,53	21,06	0,61	3850
	24	75,2	22	71,6	39,21	19,21	0,49	3119	38,82	19,02	0,49	3147	38,40	18,82	0,49	3175	37,91	18,57	0,49	3201	37,53	18,39	0,49	3217	37,12	18,19	0,49	3322	36,61	17,94	0,49	3466	35,96	17,62	0,49	3697	35,12	17,21	0,49	3866
	24	75,2	24	75,2	39,76	14,71	0,37	3139	39,36	14,56	0,37	3167	38,94	14,41	0,37	3195	38,44	14,22	0,37	3220	38,06	14,08	0,37	3236	37,64	13,93	0,37	3341	37,12	13,74	0,37	3486	36,47	13,49	0,37	3717	35,61	13,18	0,37	3885
	25	77,0	18	64,4	38,57	29,70	0,77	3109	38,18	29,40	0,77	3138	37,77	29,08	0,77	3166	37,28	28,71	0,77	3192	36,91	28,42	0,77	3208	36,51	28,12	0,77	3314	36,01	27,73	0,77	3460	35,37	27,24	0,77	3694	34,54	26,60	0,77	3864
	25	77,0	20	68,0	39,75	25,84	0,65	3134	39,35	25,58	0,65	3162	38,92	25,30	0,65	3191	38,43	24,98	0,65	3216	38,04	24,73	0,65	3233	37,63	24,46	0,65	3339	37,11	24,12	0,65	3485	36,46	23,70	0,65	3718	35,60	23,14	0,65	3888
	25	77,0	22	71,6	40,42	21,42	0,53	3151	40,02	21,21	0,53	3179	39,59	20,98	0,53	3208	39,08	20,71	0,53	3233	38,69	20,51	0,53	3249	38,27	20,28	0,53	3356	37,74	20,00	0,53	3501	37,07	19,65	0,53	3735	36,21	19,19	0,53	3905
	25	77,0	24	75,2	40,99	16,81	0,41	3170	40,58	16,64	0,41	3199	40,14	16,46	0,41	3227	39,63	16,25	0,41	3253	39,23	16,09	0,41	3269	38,81	15,91	0,41	3375	38,27	15,69	0,41	3521	37,59	15,41	0,41	3754	36,71	15,05	0,41	3925
	26	78,8	18	64,4	39,76	32,20	0,81	3141	39,37	31,89	0,81	3169	38,94	31,54	0,81	3198	38,44	31,13	0,81	3224	38,06	30,83	0,81	3240	37,64	30,49	0,81	3348	37,12	30,07	0,81	3495	36,47	29,54	0,81	3731	35,61	28,85	0,81	3903
	26	78,8	20	68,0	40,98	28,27	0,69	3166	40,57	27,99	0,69	3194	40,13	27,69	0,69	3223	39,61	27,33	0,69	3249	39,22	27,06	0,69	3265	38,79	26,77	0,69	3373	38,26	26,40	0,69	3520	37,58	25,93	0,69	3756	36,70	25,32	0,69	3928
	26	78,8	22	71,6	41,67	23,75	0,57	3182	41,26	23,52	0,57	3211	40,81	23,26	0,57	3240	40,29	22,96	0,57	3266	39,89	22,74	0,57	3282	39,45	22,49	0,57	3390	38,91	22,18	0,57	3537	38,22	21,79	0,57	3772	37,33	21,28	0,57	3945
	26	78,8	24	75,2	42,26	19,02	0,45	3202	41,84	18,83	0,45	3231	41,38	18,62	0,45	3260	40,85	18,38	0,45	3286	40,45	18,20	0,45	3302	40,01	18,00	0,45	3409	39,45	17,75	0,45	3557	38,76	17,44	0,45	3792	37,85	17,03	0,45	3964
	26	78,8	26	78,8	42,93	14,17	0,33	3225	42,51	14,03	0,33	3254	42,04	13,87	0,33	3283	41,50	13,70	0,33	3308	41,09	13,56	0,33	3325	40,65	13,41	0,33	3432	40,09	13,23	0,33	3579	39,38	12,99	0,33	3815	38,45	12,69	0,33	3987
	27	80,6	18	64,4	40,57	34,48	0,85	3173	40,17	34,14	0,85	3201	39,73	33,77	0,85	3231	39,22	33,34	0,85	3257	38,83	33,01	0,85	3273	38,41	32,65	0,85	3382	37,88	32,20	0,85	3530	37,21	31,63	0,85	3768	36,34	30,89	0,85	3942
	27	80,6	19	66,2	41,40	32,70	0,79	3183	40,99	32,38	0,79	3211	40,54	32,03	0,79	3241	40,02	31,62	0,79	3267	39,63	31,30	0,79	3283	39,19	30,96	0,79	3392	38,65	30,54	0,79	3540	37,97	30,00	0,79	3778	37,08	29,29	0,79	3952
	27	80,6	20	68,0	41,81	30,52	0,73	3198	41,40	30,22	0,73	3226	40,95	29,89	0,73	3256	40,42	29,51	0,73	3282	40,02	29,22	0,73	3298	39,59	28,90	0,73	3407	39,04	28,50	0,73	3555	38,35	28,00	0,73	3793	37,45	27,34	0,73	3967
	27	80,6	22	71,6	42,52	25,94	0,61	3215	42,10	25,68	0,61	3243	41,64	25,40	0,61	3273	41,11	25,08	0,61	3299	40,70	24,83	0,61	3315	40,26	24,56	0,61	3424	39,70	24,22	0,61	3572	39,00	23,79	0,61	3810	38,09	23,23	0,61	3984
	27	80,6	24	75,2	43,12	21,13	0,49	3235	42,69	20,92	0,49	3263	42,23	20,69	0,49	3293	41,68	20,43	0,49	3319	41,27	20,22	0,49	3335	40,82	20,00	0,49	3444	40,26	19,73	0,49	3592	39,55	19,38	0,49	3830	38,62	18,92	0,49	4004
	27	80,6	26	78,8	43,81	16,21	0,37	3258	43,37	16,05	0,37	3286	42,90	15,87	0,37	3316	42,35	15,67	0,37	3342	41,93	15,52	0,37	3358	41,48	15,35	0,37	3467	40,90	15,13	0,37	3615	40,18	14,87	0,37	3853	39,24	14,52	0,37	4027
	28	82,4	18	64,4	40,98	36,47	0,89	3204	40,57	36,11	0,89	3234	40,13	35,71	0,89	3263	39,61	35,26	0,89	3289	39,22	34,91	0,89	3306	38,79	34,53	0,89	3416	38,26	34,05	0,89	3566	37,58	33,45	0,89	3806	36,70	32,66	0,89	3982
	28	82,4	20	68,0	41,81	32,20	0,77	3230	41,40	31,88	0,77	3259	40,95	31,53	0,77	3288	40,42	31,13	0,77	3315	40,02	30,82	0,77	3331	39,59	30,48	0,77	3441	39,04	30,06	0,77	3591	38,35	29,53	0,77	3831	37,45	28,84	0,77	4007
	28	82,4	22	71,6	42,23	27,45	0,65	3247	41,81	27,18	0,65	3276	41,36	26,88	0,65	3305	40,83	26,54	0,65	3332	40,42	26,27	0,65	3348	39,98	25,99	0,65	3458	39,43	25,63	0,65	3608	38,73	25,18	0,65	3849	37,83	24,59	0,65	4024
	28	82,4	24	75,2	42,95	22,76	0,53	3267	42,52	22,54	0,53	3296	42,06	22,29	0,53	3326	41,52	22,01	0,53	3352	41,11	21,79	0,53	3369	40,66	21,55	0,53	3478	40,10	21,25	0,53	3628	39,39	20,88	0,53	3869	38,47	20,39	0,53	4044
	28	82,4	26	78,8	43,55	17,86	0,41	3290	43,12	17,68	0,41	3319	42,65	17,49	0,41	3349	42,10	17,26	0,41	3375	41,68	17,09	0,41	3392	41,23	16,90	0,41	3501	40,66	16,67	0,41	3652	39,94	16,38	0,41	3892	39,01	15,99	0,41	4068
	29	84,2	18	64,4	41,39	37,66	0,91	3236	40,98	37,29	0,91	3266	40,53	36,88	0,91	3296	40,01	36,41	0,91	3322	39,61	36,05	0,91	3339	39,18	35,66	0,91	3450	38,64	35,16	0,91	3601	37,96	34,54	0,91	3844	37,07	33,73	0,91	4022
	29	84,2	20	68,0	42,23	34,21	0,81	3262	41,81	33,87	0,81	3291	41,36	33,50	0,81	3321	40,83	33,07	0,81	3348	40,42	32,74	0,81	3365	39,98	32,39	0,81	3475	39,43	31,94	0,81	3627	38,73	31,37	0,81	3870	37,83	30,64	0,81	4047
	29	84,2	22	71,6	43,07	29,72	0,69	3279	42,65	29,43	0,69	3309	42,18	29,11	0,69	3338	41,64	28,73	0,69	3365	41,23	28,45	0,69	3382	40,78	28,14	0,69	3493	40,22	27,75	0,69	3644	39,51	27,26	0,69	3887	38,58	26,62	0,69	4064
	29	84,2	24	75,2	43,38	24,73	0,57	3300	42,95	24,48	0,57	3329	42,48	24,21	0,57	3359	41,94	23,90	0,57	3386	41,52	23,67	0,57	3402	41,07	23,41	0,57	3513	40,50	23,09	0,57	3665	39,79	22,68	0,57	3907	38,85	22,15	0,57	4085
	29	84,2	26	78,8	43,98	19,79	0,45	3323	43,55	19,60	0,45	3353	43,08	19,38	0,45	3382	42,52	19,14	0,45	3409	42,10	18,95	0,45	3426	41,64	18,74	0,45	3536	41,07	18,48	0,45	3688	40,34	18,15	0,45	3931	39,40	17,73	0,45	4108
	30	86,0	18	64,4	41,80	38,04	0,91	3269	41,39	37,66	0,91	3299	40,94	37,25	0,91	3329	40,41	36,77	0,91	3355	40,01	36,41	0,91	3372	39,57	36,01	0,91	3484	39,03	35,52	0,91	3637	38,34	34,89	0,91	3883	37,44	34,07	0,91	4062
	30	86,0	20	68,0	42,65	36,25	0,85	3294	42,23	35,90	0,85	3324	41,77	35,51	0,85	3354	41,23	35,05	0,85	3381	40,83	34,70	0,85	3398	40,38	34,32	0,85	3510	39,82	33,85	0,85	3663	39,12	33,25	0,85	3908	38,20	32,47	0,85	4088
	30	86,0	22	71,6	43,51	31,76	0,73	3312	43,07	31,44	0,73	3342	42,61	31,10	0,73	3372	42,06	30,70	0,73	3399	41,64	30,40	0,73	3416	41,19	30,07	0,73	3527	40,62	29,65	0,73	3681	39,90	29,13	0,73	3926	38,97	28,45	0,73	4105
	30	86,0	24	75,2	43,81	26,72	0,61	3333	43,38	26,46	0,61	3362	42,91	26,17	0,61	3392	42,35	25,84	0,61	3419	41,94	25,58	0,61	3436	41,48	25,30	0,61	3548	40,91	24,95	0,61	3701	40,18	24,51	0,61	3947	39,24	23,94	0,61	4126
	30	86,0	26	78,8	44,42	21,77	0,49	3356	43,98	21,55	0,49	3386	43,51	21,32	0,49	3416	42,95	21,04	0,49	3443	42,52	20,84	0,49	3460	42,06	20,61	0,49	3572	41,48	20,32	0,49	3725	40,75	19,97	0,49	3970	39,79	19,50	0,49	4149
	31	87,8	18	64,4	42,22	38,42	0,91	3301	41,80	38,04	0,91	3331	41,34	37,62	0,91	3362	40,81	37,14	0,91	3389	40,41	36,77	0,91	3406	39,97	36,37	0,91	3519	39,42	35,87	0,91	3674	38,72	35,24	0,91	3922	37,81	34,41	0,91	4102
	31	87,8	20	68,0	43,08	38,34	0,89	3327	42,65	37,96	0,89	3358	42,19	37,55	0,89	3388	41,65	37,07	0,89	3415	41,23	36,70	0,89	3432	40,79	36,30	0,89	3545	40,22	35,80	0,89	3700	39,51	35,17	0,89	3948	38,59	34,34	0,89	4128
	31	87,8	22	71,6	43,94	33,83	0,77	3345	43,51	33,50	0,77	3375	43,03	33,13	0,77	3406	42,48	32,71	0,77	3433	42,06	32,39	0,77	3450	41,60	32,03	0,77	3563	41,03	31,59	0,77	3718	40,30	31,03	0,77	3965	39,36	30,31	0,77	4146
	31	87,8	24	75,2	44,25	28,76	0,65	3366	43,81	28,48	0,65	3396	43,33	28,17	0,65	3426	42,78	27,81	0,65	3454	42,35	27,53	0,65	3471	41,89	27,23	0,65	3584	41,32	26,86	0,65	3738	40,59	26,38	0,65	3986	39,63	25,76	0,65	4167
	31	87,8	26	78,8	44,87	23,78	0,53	3390	44,42	23,55	0,53	3420	43,94	23,29	0,53	3450	43,38	22,99	0,53	3477	42,95	22,76	0,53	3495	42,48	22,51	0,53	3608	41,89	22,20	0,53	3762	41,15	21,81	0,53	4010	40,19	21,30	0,53	4191
	32	89,6	18	64,4	42,64	38,80	0,91	3334	42,22	38,42	0,91	3365	41,76	38,00	0,91	3395	41,22	37,51	0,91	3423	40,81	37,14	0,91	3440	40,37	36,74	0,91	3554	39,81	36,23	0,91	3711	39,11	35,59	0,91	3961	38,19	34,75	0,91	4144
	32	89,6	20	68,0	43,51	39,59	0,91	3361	43,08	39,20	0,91	3391	42,61	38,78	0,91	3422	42,06	38,28	0,91	3449	41,65	37,90	0,91	3466	41,19	37,49	0,91	3581	40,63	36,97	0,91	3737	39,91	36,32	0,91	3987	38,97	35,46	0,91	4170
	32	89,6	22	71,6	44,38	35,95	0,81	3379	43,94	35,59	0,81	3409	43,46	35,20	0,81	3440	42,90	34,75	0,81	3467	42,48	34,41	0,81	3484	42,02	34,03	0,81	3598	41,44	33,56	0,81	3755	40,70	32,97	0,81	4005	39,75	32,20	0,81	4188
	32	89,6	24	75,2	44,69	30,84	0,69	3400	44,25	30,53	0,69	3430	43,77	30,20	0,69	3461	43,21	29,81	0,69	3488	42,78	29,52	0,69	3505	42,31	29,20	0,69	3619	41,73	28,79	0,69	3776	40,99	28,28	0,69	4026	40,03	27,62	0,69	4209
	32	89,6	26	78,8	45,32	25,83	0,57	3424	44,87	25,58	0,57	3454	44,38	25,30	0,57	3485	43,81	24,97	0,57	3512	43,38	24,73	0,57	3530	42,91	24,46	0,57	3644	42,31	24,12	0,57	3800	41,56	23,69	0,57	4050	40,59	23,14	0,57	4233

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
100%	21	69.8	18	64.4	30.31	18.49	0.61	3851	28.18	17.19	0.61	4044	27.90	17.02	0.61	4084	23.02	14.04	0.61	4240	22.33	13.62	0.61	4269	19.87	12.12	0.61	4355	19.08	11.64	0.61	4399	18.12	11.06	0.61	4487
	21	69.8	20	68.0	31.56	15.46	0.49	3874	29.35	14.38	0.49	4067	29.05	14.24	0.49	4108	23.97	11.74	0.49	4263	23.25	11.39	0.49	4293	20.69	10.14	0.49	4379	19.86	9.73	0.49	4422	18.87	9.25	0.49	4510
	22	71.6	18	64.4	31.24	20.31	0.65	3890	29.06	18.89	0.65	4085	28.77	18.70	0.65	4125	23.73	15.43	0.65	4283	23.02	14.96	0.65	4313	20.49	13.32	0.65	4399	19.67	12.78	0.65	4443	18.68	12.14	0.65	4532
	22	71.6	20	68.0	32.20	17.07	0.53	3913	29.95	15.87	0.53	4108	29.65	15.71	0.53	4149	24.46	12.96	0.53	4306	23.72	12.57	0.53	4336	21.11	11.19	0.53	4423	20.27	10.74	0.53	4467	19.26	10.21	0.53	4556
	22	71.6	22	71.6	32.75	13.43	0.41	3929	30.45	12.49	0.41	4124	30.15	12.36	0.41	4165	24.87	10.20	0.41	4323	24.13	9.89	0.41	4353	21.47	8.80	0.41	4439	20.61	8.45	0.41	4483	19.58	8.03	0.41	4572
	23	73.4	18	64.4	31.88	22.00	0.69	3929	29.65	20.46	0.69	4126	29.35	20.25	0.69	4167	24.22	16.71	0.69	4326	23.49	16.21	0.69	4356	20.91	14.42	0.69	4443	20.07	13.85	0.69	4488	19.07	13.16	0.69	4578
	23	73.4	20	68.0	32.86	18.73	0.57	3953	30.56	17.42	0.57	4150	30.25	17.24	0.57	4191	24.96	14.23	0.57	4350	24.21	13.80	0.57	4380	21.55	12.28	0.57	4468	20.68	11.79	0.57	4512	19.65	11.20	0.57	4602
	23	73.4	22	71.6	33.41	15.04	0.45	3969	31.08	13.98	0.45	4166	30.77	13.84	0.45	4207	25.38	11.42	0.45	4366	24.62	11.08	0.45	4397	21.91	9.86	0.45	4484	21.04	9.47	0.45	4528	19.98	8.99	0.45	4618
	24	75.2	18	64.4	32.53	23.75	0.73	3969	30.25	22.09	0.73	4167	29.95	21.86	0.73	4209	24.71	18.04	0.73	4370	23.97	17.50	0.73	4400	21.33	15.57	0.73	4488	20.48	14.95	0.73	4533	19.45	14.20	0.73	4624
	24	75.2	20	68.0	33.53	20.45	0.61	3993	31.18	19.02	0.61	4192	30.87	18.83	0.61	4233	25.47	15.53	0.61	4394	24.70	15.07	0.61	4424	21.99	13.41	0.61	4513	21.11	12.87	0.61	4558	20.05	12.23	0.61	4648
	24	75.2	22	71.6	34.10	16.71	0.49	4009	31.71	15.54	0.49	4208	31.39	15.38	0.49	4250	25.90	12.69	0.49	4410	25.12	12.31	0.49	4441	22.36	10.96	0.49	4529	21.46	10.52	0.49	4574	20.39	9.99	0.49	4665
	24	75.2	24	75.2	34.57	12.79	0.37	4029	32.15	11.90	0.37	4228	31.83	11.78	0.37	4269	26.26	9.72	0.37	4430	25.47	9.43	0.37	4460	22.67	8.39	0.37	4549	21.76	8.05	0.37	4594	20.68	7.65	0.37	4684
	25	77.0	18	64.4	33.54	25.82	0.77	4009	31.19	24.02	0.77	4210	30.88	23.78	0.77	4252	25.47	19.62	0.77	4414	24.71	19.03	0.77	4445	21.99	16.93	0.77	4534	21.11	16.26	0.77	4579	20.06	15.44	0.77	4671
	25	77.0	20	68.0	34.56	22.47	0.65	4033	32.14	20.89	0.65	4234	31.82	20.68	0.65	4276	26.25	17.07	0.65	4438	25.47	16.55	0.65	4469	22.66	14.73	0.65	4558	21.76	14.14	0.65	4604	20.67	13.44	0.65	4695
	25	77.0	22	71.6	35.15	18.63	0.53	4050	32.69	17.33	0.53	4251	32.36	17.15	0.53	4293	26.70	14.15	0.53	4455	25.90	13.73	0.53	4486	23.05	12.22	0.53	4575	22.13	11.73	0.53	4620	21.02	11.14	0.53	4712
	25	77.0	24	75.2	35.64	14.61	0.41	4069	33.15	13.59	0.41	4270	32.82	13.45	0.41	4312	27.07	11.10	0.41	4474	26.26	10.77	0.41	4505	23.37	9.58	0.41	4594	22.44	9.20	0.41	4640	21.32	8.74	0.41	4732
	26	78.8	18	64.4	34.57	28.01	0.81	4049	32.15	26.04	0.81	4252	31.83	25.78	0.81	4295	26.26	21.27	0.81	4458	25.47	20.63	0.81	4490	22.67	18.36	0.81	4580	21.77	17.63	0.81	4625	20.68	16.75	0.81	4718
	26	78.8	20	68.0	35.63	24.59	0.69	4074	33.14	22.87	0.69	4277	32.81	22.64	0.69	4319	27.07	18.68	0.69	4483	26.25	18.12	0.69	4514	23.37	16.12	0.69	4604	22.43	15.48	0.69	4650	21.31	14.70	0.69	4743
	26	78.8	22	71.6	36.24	20.66	0.57	4091	33.70	19.21	0.57	4294	33.36	19.02	0.57	4336	27.53	15.69	0.57	4500	26.70	15.22	0.57	4531	23.76	13.55	0.57	4621	22.81	13.00	0.57	4667	21.67	12.35	0.57	4760
	26	78.8	24	75.2	36.75	16.54	0.45	4110	34.17	15.38	0.45	4313	33.83	15.22	0.45	4356	27.91	12.56	0.45	4520	27.07	12.18	0.45	4551	24.10	10.84	0.45	4641	23.13	10.41	0.45	4687	21.98	9.89	0.45	4779
	26	78.8	26	78.8	37.33	12.32	0.33	4133	34.72	11.46	0.33	4336	34.37	11.34	0.33	4379	28.36	9.36	0.33	4542	27.51	9.08	0.33	4574	24.48	8.08	0.33	4664	23.50	7.76	0.33	4710	22.33	7.37	0.33	4802
	27	80.6	18	64.4	35.28	29.99	0.85	4090	32.81	27.89	0.85	4295	32.48	27.61	0.85	4338	26.80	22.78	0.85	4503	25.99	22.09	0.85	4535	23.13	19.66	0.85	4626	22.21	18.88	0.85	4672	21.10	17.93	0.85	4766
	27	80.6	19	66.2					33.48	26.45	0.79	4305	33.15	26.18	0.79	4348	27.34	21.60	0.79	4513	26.52	20.95	0.79	4545	23.61	18.65	0.79	4636	22.66	17.90	0.79	4682	21.53	17.01	0.79	4776
	27	80.6	20	68.0	36.36	26.54	0.73	4115	33.81	24.68	0.73	4320	33.48	24.44	0.73	4363	27.62	20.16	0.73	4528	26.79	19.56	0.73	4560	23.84	17.41	0.73	4651	22.89	16.71	0.73	4697	21.74	15.87	0.73	4791
	27	80.6	22	71.6	36.98	22.56	0.61	4132	34.39	20.98	0.61	4337	34.05	20.77	0.61	4380	28.09	17.13	0.61	4545	27.25	16.62	0.61	4577	24.25	14.79	0.61	4668	23.28	14.20	0.61	4714	22.11	13.49	0.61	4808
	27	80.6	24	75.2	37.50	18.37	0.49	4152	34.87	17.09	0.49	4357	34.52	16.92	0.49	4400	28.48	13.96	0.49	4565	27.63	13.54	0.49	4597	24.59	12.05	0.49	4688	23.60	11.57	0.49	4734	22.42	10.99	0.49	4828
	27	80.6	26	78.8	38.10	14.10	0.37	4175	35.43	13.11	0.37	4380	35.07	12.98	0.37	4423	28.94	10.71	0.37	4588	28.07	10.39	0.37	4620	24.98	9.24	0.37	4711	23.98	8.87	0.37	4757	22.78	8.43	0.37	4851
	28	82.4	18	64.4	35.63	31.71	0.89	4131	33.14	29.49	0.89	4338	32.81	29.20	0.89	4381	27.07	24.09	0.89	4548	26.25	23.37	0.89	4580	23.37	20.80	0.89	4672	22.43	19.96	0.89	4719	21.31	18.97	0.89	4813
	28	82.4	20	68.0	36.36	28.00	0.77	4156	33.81	26.04	0.77	4363	33.48	25.78	0.77	4407	27.62	21.27	0.77	4574	26.79	20.63	0.77	4605	23.84	18.36	0.77	4697	22.89	17.62	0.77	4744	21.74	16.74	0.77	4839
	28	82.4	22	71.6	36.72	23.87	0.65	4173	34.15	22.20	0.65	4380	33.81	21.98	0.65	4424	27.89	18.13	0.65	4591	27.06	17.59	0.65	4623	24.08	15.65	0.65	4714	23.12	15.03	0.65	4761	21.96	14.28	0.65	4856
	28	82.4	24	75.2	37.35	19.79	0.53	4194	34.73	18.41	0.53	4401	34.39	18.22	0.53	4444	28.37	15.04	0.53	4611	27.52	14.58	0.53	4643	24.49	12.98	0.53	4735	23.51	12.46	0.53	4781	22.34	11.84	0.53	4876
	28	82.4	26	78.8	37.87	15.53	0.41	4217	35.22	14.44	0.41	4424	34.87	14.30	0.41	4467	28.77	11.79	0.41	4634	27.90	11.44	0.41	4666	24.83	10.18	0.41	4758	23.84	9.77	0.41	4805	22.65	9.29	0.41	4899
	29	84.2	18	64.4	35.99	32.75	0.91	4172	33.47	30.46	0.91	4381	33.14	30.15	0.91	4425	27.34	24.88	0.91	4594	26.52	24.13	0.91	4626	23.60	21.48	0.91	4719	22.66	20.62	0.91	4766	21.52	19.59	0.91	4862
	29	84.2	20	68.0	36.72	29.75	0.81	4198	34.15	27.66	0.81	4407	33.81	27.39	0.81	4451	27.89	22.59	0.81	4619	27.06	21.92	0.81	4652	24.08	19.51	0.81	4744	23.12	18.73	0.81	4792	21.96	17.79	0.81	4887
	29	84.2	22	71.6	37.46	25.85	0.69	4215	34.84	24.04	0.69	4424	34.49	23.80	0.69	4468	28.45	19.63	0.69	4637	27.60	19.04	0.69	4669	24.56	16.95	0.69	4762	23.58	16.27	0.69	4809	22.40	15.46	0.69	4904
	29	84.2	24	75.2	37.72	21.50	0.57	4235	35.08	20.00	0.57	4445	34.73	19.80	0.57	4488	28.65	16.33	0.57	4657	27.79	15.84	0.57	4689	24.74	14.10	0.57	4782	23.75	13.54	0.57	4829	22.56	12.86	0.57	4925
	29	84.2	26	78.8	38.25	17.21	0.45	4259	35.57	16.01	0.45	4468	35.22	15.85	0.45	4512	29.05	13.07	0.45	4681	28.18	12.68	0.45	4713	25.08	11.29	0.45	4805	24.08	10.84	0.45	4853	22.87	10.29	0.45	4948
	30	86.0	18	64.4	36.35	33.08	0.91	4214	33.80	30.76	0.91	4425	33.47	30.45	0.91	4469	27.61	25.13	0.91	4640	26.78	24.37	0.91	4672	23.84	21.69	0.91	4766	22.88	20.82	0.91	4814	21.74	19.78	0.91	4910
	30	86.0	20	68.0	37.09	31.53	0.85	4240	34.49	29.32	0.85	4451	34.15	29.03	0.85	4495	28.17	23.95	0.85	4665	27.33	23.23	0.85	4698	24.32	20.67	0.85	4792	23.35	19.85	0.85	4839	22.18	18.85	0.85	4936
	30	86.0	22	71.6	37.83	27.62	0.73	4257	35.18	25.68	0.73	4468	34.83	25.43	0.73	4513	28.74	20.98	0.73	4683	27.87	20.35	0.73	4716	24.81	18.11	0.73	4809	23.82	17.39	0.73	4857	22.63	16.52	0.73	4953
	30	86.0	24	75.2	38.10	23.24	0.61	4278	35.43	21.61	0.61	4489	35.08	21.40	0.61	4533	28.94	17.65	0.61	4704	28.07	17.12	0.61	4736	24.98	15.24	0.61	4830	23.98	14.63	0.61	4878	22.78	13.90	0.61	4974
	30	86.0	26	78.8	38.63	18.93	0.49	4302	35.93	17.60	0.49	4513	35.57	17.43	0.49	4557	29.34	14.38	0.49	4727	28.46	13.95	0.49	4760	25.33	12.41	0.49	4854	24.32	11.92	0.49	4901	23.10	11.32	0.49	4998
	31	87.8	18	64.4	36.71	33.41	0.91	4256	34.14	31.07	0.91	4469	33.80	30.76	0.91	4514	27.89	25.38	0.91	4686	27.05	24.61	0.91	4719	24.07	21.91	0.91	4814	23.11	21.03	0.91	4862	21.96	19.98	0.91	4959
	31	87.8	20	68.0	37.46	33.34	0.89	4282	34.84	31.01	0.89	4495	34.49	30.70	0.89	4540	28.46	25.33	0.89	4712	27.60	24.57	0.89	4745	24.57	21.86	0.89	4840	23.58	20.99	0.89	4888	22.40	19.94	0.89	4985
	31	87.8	22	71.6	38.21	29.42	0.77	4300	35.54	27.36	0.77	4513	35.18	27.09	0.77	4558	29.02	22.35	0.77	4730	28.15	21.68	0.77	4763	25.06	19.29	0.77	4857	24.05	18.52	0.77	4906	22.85	17.60	0.77	5003
	31	87.8	24	75.2	38.48	25.01	0.65	4321	35.79	23.26	0.65	4534	35.43	23.03	0.65	4579	29.23	19.00	0.65	4751	28.35	18.43	0.65	4784	25.23	16.40	0.65	4878	24.22	15.75	0.65	4926	23.01	14.96	0.65	5024
	31	87.8	26	78.8	39.02	20.68	0.53	4345	36.29	19.23	0.53	4558	35.92	19.04	0.53	4603	29.64	15.71	0.53	4775	28.75	15.24	0.53	4807	25.59	13.56	0.53	4902	24.56	13.02	0.53	4950	23.33	12.37	0.53	5048
	32	89.6	18	64.4	37.08	33.74	0.91	4299	34.48	31.38	0.91	4514	34.14	31.07	0.91	4559	28.16	25.63	0.91	4733	27.32	24.86	0.91	4766	24.31	22.13	0.91	4862	23.34	21.24	0.91	4910	22.18	20.18	0.91	5009
	32	89.6	20	68.0	37.84	34.43	0.91	4325	35.19	32.02	0.91	4540	34.84	31.70	0.91	4586	28.74	26.15	0.91	4759	27.88	25.37	0.91	4792	24.81	22.58	0.91	4888	23.82	21.67	0.91	4937	22.63	20.59	0.91	5035
	32	89.6	22	71.6	38.59	31.26	0.81	4343	35.89	29.07	0.81	4558	35.53	28.78	0.81	4603	29.31	23.74	0.81	4777	28.44	23.03	0.81	4810	25.31	20.50	0.81	4906	24.29	19.68	0.81	4955	23.08	18.69	0.81	5053
	32	89.6	24	75.2	38.86	26.82	0.69	4364	36.14	24.94	0.69	4579	35.78	24.69	0.69	4624	29.52	20.37	0.69	4798	28.63	19.76	0.69	4831	25.49	17.58	0.69	4927	24.47	16.88	0.69	4976	23.24	16.04	0.69	5074
	32	89.6	26	78.8	39.41	22.46	0.57	4388	36.65	20.89	0.57	4603	36.28	20.68	0.57	4649	29.93	17.06	0.57	4822	29.04	16.55	0.57	4856	25.84	14.73	0.57	4951	24.81	14.14	0.57	5000	23.57	13.43	0.57	5098

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
90%	21	69.8	18	64.4	34,15	20,83	0,61	2957	33,81	20,63	0,61	2984	33,45	20,40	0,61	3011	33,02	20,14	0,61	3035	32,69	19,94	0,61	3051	32,33	19,72	0,61	3152	31,89	19,45	0,61	3291	31,32	19,11	0,61	3512	30,59	18,66	0,61	3674
	21	69.8	20	68.0	35,56	17,42	0,49	2981	35,21	17,25	0,49	3007	34,83	17,06	0,49	3035	34,38	16,85	0,49	3059	34,04	16,68	0,49	3074	33,67	16,50	0,49	3175	33,20	16,27	0,49	3314	32,62	15,98	0,49	3536	31,85	15,61	0,49	3698
	22	71.6	18	64.4	35,21	22,89	0,65	2987	34,86	22,66	0,65	3014	34,48	22,41	0,65	3042	34,04	22,13	0,65	3066	33,70	21,91	0,65	3082	33,33	21,67	0,65	3184	32,87	21,37	0,65	3324	32,29	20,99	0,65	3548	31,54	20,50	0,65	3712
	22	71.6	20	68.0	36,29	19,23	0,53	3011	35,93	19,04	0,53	3038	35,54	18,83	0,53	3065	35,08	18,59	0,53	3090	34,73	18,41	0,53	3105	34,36	18,21	0,53	3208	33,88	17,96	0,53	3348	33,28	17,64	0,53	3572	32,50	17,23	0,53	3735
	22	71.6	22	71.6	36,90	15,13	0,41	3027	36,54	14,98	0,41	3054	36,14	14,82	0,41	3081	35,68	14,63	0,41	3106	35,32	14,48	0,41	3122	34,94	14,33	0,41	3224	34,46	14,13	0,41	3364	33,85	13,88	0,41	3588	33,05	13,55	0,41	3752
	23	73.4	18	64.4	35,93	24,79	0,69	3017	35,57	24,54	0,69	3044	35,18	24,28	0,69	3072	34,73	23,97	0,69	3097	34,39	23,73	0,69	3113	34,02	23,47	0,69	3216	33,55	23,15	0,69	3357	32,95	22,74	0,69	3584	32,18	22,20	0,69	3749
	23	73.4	20	68.0	37,03	21,11	0,57	3041	36,66	20,90	0,57	3069	36,26	20,67	0,57	3096	35,80	20,40	0,57	3121	35,44	20,20	0,57	3137	35,06	19,98	0,57	3240	34,57	19,71	0,57	3381	33,96	19,36	0,57	3608	33,17	18,90	0,57	3773
	23	73.4	22	71.6	37,66	16,95	0,45	3057	37,28	16,78	0,45	3085	36,88	16,60	0,45	3113	36,41	16,38	0,45	3137	36,04	16,22	0,45	3153	35,65	16,04	0,45	3256	35,16	15,82	0,45	3398	34,54	15,54	0,45	3624	33,73	15,18	0,45	3789
	24	75.2	18	64.4	36,66	26,76	0,73	3047	36,30	26,50	0,73	3075	35,90	26,21	0,73	3103	35,44	25,87	0,73	3128	35,09	25,62	0,73	3144	34,71	25,34	0,73	3248	34,23	24,99	0,73	3391	33,62	24,55	0,73	3620	32,84	23,97	0,73	3787
	24	75.2	20	68.0	37,78	23,05	0,61	3072	37,41	22,82	0,61	3100	37,00	22,57	0,61	3128	36,53	22,28	0,61	3153	36,17	22,06	0,61	3168	35,77	21,82	0,61	3273	35,28	21,52	0,61	3415	34,65	21,14	0,61	3644	33,84	20,64	0,61	3811
	24	75.2	22	71.6	38,43	18,83	0,49	3088	38,04	18,64	0,49	3116	37,63	18,44	0,49	3144	37,15	18,20	0,49	3169	36,78	18,02	0,49	3185	36,38	17,83	0,49	3289	35,88	17,58	0,49	3432	35,24	17,27	0,49	3661	34,42	16,86	0,49	3828
	24	75.2	24	75.2	38,96	14,42	0,37	3108	38,58	14,27	0,37	3135	38,16	14,12	0,37	3163	37,67	13,94	0,37	3189	37,30	13,80	0,37	3204	36,89	13,65	0,37	3309	36,38	13,46	0,37	3451	35,74	13,22	0,37	3680	34,90	12,91	0,37	3847
	25	77.0	18	64.4	37,79	29,10	0,77	3078	37,42	28,81	0,77	3106	37,01	28,50	0,77	3135	36,54	28,13	0,77	3160	36,18	27,86	0,77	3176	35,78	27,55	0,77	3281	35,29	27,17	0,77	3425	34,66	26,69	0,77	3656	33,85	26,07	0,77	3825
	25	77.0	20	68.0	38,95	25,32	0,65	3103	38,57	25,07	0,65	3131	38,15	24,80	0,65	3159	37,66	24,48	0,65	3184	37,28	24,23	0,65	3200	36,88	23,97	0,65	3306	36,37	23,64	0,65	3450	35,73	23,22	0,65	3681	34,89	22,68	0,65	3850
	25	77.0	22	71.6	39,61	21,00	0,53	3119	39,22	20,79	0,53	3147	38,79	20,56	0,53	3176	38,30	20,30	0,53	3201	37,92	20,10	0,53	3217	37,51	19,88	0,53	3322	36,99	19,60	0,53	3467	36,33	19,26	0,53	3698	35,48	18,81	0,53	3866
	25	77.0	24	75.2	40,17	16,47	0,41	3139	39,77	16,31	0,41	3167	39,34	16,13	0,41	3195	38,83	15,92	0,41	3221	38,45	15,76	0,41	3237	38,03	15,59	0,41	3342	37,51	15,38	0,41	3486	36,84	15,11	0,41	3717	35,98	14,75	0,41	3886
	26	78.8	18	64.4	38,96	31,56	0,81	3109	38,58	31,25	0,81	3138	38,16	30,91	0,81	3166	37,67	30,51	0,81	3192	37,30	30,21	0,81	3208	36,89	29,88	0,81	3314	36,38	29,47	0,81	3460	35,74	28,95	0,81	3693	34,90	28,27	0,81	3864
	26	78.8	20	68.0	40,16	27,71	0,69	3134	39,76	27,43	0,69	3162	39,33	27,14	0,69	3191	38,82	26,79	0,69	3217	38,44	26,52	0,69	3233	38,02	26,23	0,69	3339	37,49	25,87	0,69	3485	36,83	25,41	0,69	3718	35,97	24,82	0,69	3889
	26	78.8	22	71.6	40,84	23,28	0,57	3151	40,43	23,05	0,57	3179	39,99	22,80	0,57	3208	39,48	22,50	0,57	3233	39,09	22,28	0,57	3250	38,67	22,04	0,57	3356	38,13	21,73	0,57	3502	37,46	21,35	0,57	3735	36,58	20,85	0,57	3905
	26	78.8	24	75.2	41,41	18,63	0,45	3171	41,00	18,45	0,45	3199	40,55	18,25	0,45	3228	40,03	18,02	0,45	3253	39,64	17,84	0,45	3269	39,21	17,64	0,45	3376	38,67	17,40	0,45	3521	37,98	17,09	0,45	3755	37,09	16,69	0,45	3925
	26	78.8	26	78.8	42,07	13,88	0,33	3194	41,66	13,75	0,33	3222	41,20	13,60	0,33	3250	40,67	13,42	0,33	3276	40,27	13,29	0,33	3292	39,83	13,15	0,33	3399	39,28	12,96	0,33	3544	38,59	12,73	0,33	3778	37,68	12,44	0,33	3948
	27	80.6	18	64.4	39,76	33,79	0,85	3141	39,37	33,46	0,85	3169	38,94	33,10	0,85	3198	38,44	32,67	0,85	3224	38,06	32,35	0,85	3240	37,64	32,00	0,85	3348	37,12	31,55	0,85	3495	36,47	31,00	0,85	3731	35,61	30,27	0,85	3903
	27	80.6	19	66.2	40,57	32,05	0,79	3151	40,17	31,73	0,79	3179	39,73	31,39	0,79	3208	39,22	30,98	0,79	3234	38,83	30,68	0,79	3250	38,41	30,34	0,79	3358	37,88	29,93	0,79	3505	37,21	29,40	0,79	3741	36,34	28,71	0,79	3913
	27	80.6	20	68.0	40,98	29,91	0,73	3166	40,57	29,62	0,73	3194	40,13	29,29	0,73	3223	39,61	28,92	0,73	3249	39,22	28,63	0,73	3265	38,79	28,32	0,73	3373	38,26	27,93	0,73	3520	37,58	27,44	0,73	3756	36,70	26,79	0,73	3928
	27	80.6	22	71.6	41,67	25,42	0,61	3183	41,26	25,17	0,61	3211	40,81	24,89	0,61	3240	40,29	24,58	0,61	3266	39,89	24,33	0,61	3282	39,45	24,07	0,61	3390	38,91	23,73	0,61	3537	38,22	23,32	0,61	3773	37,33	22,77	0,61	3945
	27	80.6	24	75.2	42,26	20,71	0,49	3203	41,84	20,50	0,49	3231	41,38	20,28	0,49	3260	40,85	20,02	0,49	3286	40,45	19,82	0,49	3302	40,01	19,60	0,49	3410	39,45	19,33	0,49	3557	38,76	18,99	0,49	3793	37,85	18,55	0,49	3965
	27	80.6	26	78.8	42,93	15,88	0,37	3226	42,51	15,73	0,37	3254	42,04	15,56	0,37	3283	41,50	15,36	0,37	3309	41,09	15,20	0,37	3325	40,65	15,04	0,37	3433	40,09	14,83	0,37	3580	39,38	14,57	0,37	3816	38,45	14,23	0,37	3988
	28	82.4	18	64.4	40,16	35,74	0,89	3172	39,76	35,39	0,89	3201	39,33	35,00	0,89	3230	38,82	34,55	0,89	3256	38,44	34,21	0,89	3273	38,02	33,84	0,89	3381	37,49	33,37	0,89	3530	36,83	32,78	0,89	3768	35,97	32,01	0,89	3942
	28	82.4	20	68.0	40,98	31,55	0,77	3197	40,57	31,24	0,77	3226	40,13	30,90	0,77	3255	39,61	30,50	0,77	3282	39,22	30,20	0,77	3298	38,79	29,87	0,77	3407	38,26	29,46	0,77	3555	37,58	28,94	0,77	3793	36,70	28,26	0,77	3967
	28	82.4	22	71.6	41,39	26,90	0,65	3215	40,98	26,63	0,65	3243	40,53	26,34	0,65	3273	40,01	26,01	0,65	3299	39,61	25,75	0,65	3315	39,18	25,47	0,65	3424	38,64	25,12	0,65	3572	37,96	24,67	0,65	3810	37,07	24,09	0,65	3984
	28	82.4	24	75.2	42,09	22,31	0,53	3235	41,67	22,09	0,53	3264	41,22	21,85	0,53	3293	40,69	21,57	0,53	3319	40,29	21,35	0,53	3335	39,85	21,12	0,53	3444	39,30	20,83	0,53	3593	38,60	20,46	0,53	3831	37,70	19,98	0,53	4005
	28	82.4	26	78.8	42,68	17,50	0,41	3258	42,26	17,32	0,41	3287	41,80	17,14	0,41	3316	41,26	16,92	0,41	3342	40,85	16,75	0,41	3359	40,41	16,57	0,41	3467	39,85	16,34	0,41	3616	39,14	16,05	0,41	3854	38,23	15,67	0,41	4028
	29	84.2	18	64.4	40,56	36,91	0,91	3204	40,16	36,54	0,91	3233	39,72	36,14	0,91	3263	39,21	35,68	0,91	3289	38,82	35,33	0,91	3306	38,40	34,94	0,91	3415	37,87	34,46	0,91	3565	37,20	33,85	0,91	3806	36,33	33,06	0,91	3981
	29	84.2	20	68.0	41,39	33,52	0,81	3229	40,98	33,19	0,81	3259	40,53	32,83	0,81	3288	40,01	32,41	0,81	3314	39,61	32,09	0,81	3331	39,18	31,74	0,81	3441	38,64	31,30	0,81	3591	37,96	30,75	0,81	3831	37,07	30,03	0,81	4007
	29	84.2	22	71.6	42,21	29,13	0,69	3247	41,80	28,84	0,69	3276	41,34	28,52	0,69	3305	40,81	28,16	0,69	3332	40,41	27,88	0,69	3348	39,97	27,58	0,69	3458	39,41	27,20	0,69	3608	38,72	26,72	0,69	3849	37,81	26,09	0,69	4024
	29	84.2	24	75.2	42,51	24,23	0,57	3267	42,09	23,99	0,57	3296	41,63	23,73	0,57	3326	41,10	23,43	0,57	3352	40,69	23,19	0,57	3369	40,25	22,94	0,57	3478	39,69	22,62	0,57	3629	38,99	22,22	0,57	3869	38,08	21,70	0,57	4045
	29	84.2	26	78.8	43,11	19,40	0,45	3291	42,68	19,21	0,45	3320	42,21	19,00	0,45	3349	41,67	18,75	0,45	3376	41,26	18,57	0,45	3392	40,81	18,36	0,45	3502	40,25	18,11	0,45	3652	39,54	17,79	0,45	3892	38,61	17,37	0,45	4068
	30	86.0	18	64.4	40,96	37,28	0,91	3236	40,56	36,91	0,91	3265	40,12	36,51	0,91	3295	39,60	36,04	0,91	3322	39,21	35,68	0,91	3339	38,78	35,29	0,91	3449	38,25	34,81	0,91	3601	37,57	34,19	0,91	3844	36,69	33,39	0,91	4021
	30	86.0	20	68.0	41,80	35,53	0,85	3262	41,39	35,18	0,85	3291	40,94	34,79	0,85	3321	40,41	34,35	0,85	3348	40,01	34,01	0,85	3364	39,57	33,64	0,85	3475	39,03	33,17	0,85	3627	38,34	32,59	0,85	3870	37,44	31,82	0,85	4047
	30	86.0	22	71.6	42,64	31,12	0,73	3279	42,21	30,82	0,73	3309	41,75	30,48	0,73	3338	41,22	30,09	0,73	3365	40,81	29,79	0,73	3382	40,37	29,47	0,73	3493	39,81	29,06	0,73	3644	39,10	28,55	0,73	3887	38,19	27,88	0,73	4064
	30	86.0	24	75.2	42,94	26,19	0,61	3300	42,51	25,93	0,61	3329	42,05	25,65	0,61	3359	41,51	25,32	0,61	3386	41,10	25,07	0,61	3402	40,65	24,80	0,61	3513	40,09	24,45	0,61	3665	39,38	24,02	0,61	3908	38,46	23,46	0,61	4085
	30	86.0	26	78.8	43,54	21,33	0,49	3324	43,11	21,12	0,49	3353	42,64	20,89	0,49	3383	42,09	20,62	0,49	3409	41,67	20,42	0,49	3426	41,22	20,20	0,49	3537	40,65	19,92	0,49	3689	39,93	19,57	0,49	3931	39,00	19,11	0,49	4109
	31	87.8	18	64.4	41,37	37,65	0,91	3268	40,96	37,28	0,91	3298	40,52	36,87	0,91	3328	40,00	36,40	0,91	3355	39,60	36,04	0,91	3372	39,17	35,65	0,91	3484	38,63	35,15	0,91	3637	37,95	34,53	0,91	3882	37,06	33,72	0,91	4061
	31	87.8	20	68.0	42,22	37,57	0,89	3294	41,80	37,20	0,89	3324	41,34	36,80	0,89	3354	40,81	36,32	0,89	3381	40,41	35,96	0,89	3398	39,97	35,57	0,89	3510	39,42	35,08	0,89	3663	38,72	34,46	0,89	3908	37,81	33,65	0,89	4087
	31	87.8	22	71.6	43,06	33,16	0,77	3312	42,64	32,83	0,77	3342	42,17	32,47	0,77	3372	41,63	32,06	0,77	3399	41,22	31,74	0,77	3416	40,77	31,39	0,77	3527	40,21	30,96	0,77	3681	39,50	30,41	0,77	3926	38,57	29,70	0,77	4105
	31	87.8	24	75.2	43,36	28,19	0,65	3333	42,94	27,91	0,65	3363	42,47	27,60	0,65	3393	41,92	27,25	0,65	3420	41,51	26,98	0,65	3436	41,06	26,69	0,65	3548	40,49	26,32	0,65	3701	39,77	25,85	0,65	3947	38,84	25,25	0,65	4126
	31	87.8	26	78.8	43,97	23,30	0,53	3357	43,54	23,07	0,53	3387	43,06	22,82	0,53	3417	42,51	22,53	0,53	3443	42,09	22,31	0,53	3460	41,63	22,06	0,53	3572	41,06	21,76	0,53	3725	40,33	21,38	0,53	3971	39,39	20,87	0,53	4150
	32	89.6	18	64.4	41,79	38,03	0,91	3301	41,37	37,65	0,91	3331	40,92	37,24	0,91	3361	40,40	36,76	0,91	3389	40,00	36,40	0,91	3406	39,56	36,00	0,91	3519	39,02	35,50	0,91	3673	38,33	34,88	0,91	3921	37,43	34,06	0,91	4102
	32	89.6	20	68.0	42,64	38,80	0,91	3327	42,22	38,42	0,91	3357	41,76	38,00	0,91	3388	41,22	37,51	0,91	3415	40,81	37,14	0,91	3432	40,37	36,74	0,91	3545	39,81	36,23	0,91	3700	39,11	35,59	0,91	3947	38,19	34,75	0,91	4128
	32	89.6	22	71.6	43,49	35,23	0,81	3345	43,06	34,88	0,81	3375	42,59	34,50	0,81	3406	42,05	34,06	0,81	3433	41,63	33,72	0,81	3450	41,18	33,35	0,81	3563	40,61	32,89	0,81	3717	39,89	32,31	0,81	3965	38,96	31,55	0,81	4146
	32	89.6	24	75.2	43,80	30,22	0,69	3366	43,36	29,92	0,69	3396	42,89	29,60	0,69	3427	42,34	29,22	0,69	3454	41,92	28,93	0,69	3471	41,47	28,61	0,69	3584	40,89	28,22	0,69	3738	40,17	27,72	0,69	3986	39,23	27,07	0,69	4167
	32	89.6	26	78.8	44,41	25,31	0,57	3390	43,97	25,06	0,57	3420	43,49	24,79	0,57	3451	42,93	24,47	0,57	3478	42,51	24,23	0,57	3495	42,05	23,97	0,57	3608	41,47	23,64	0,57	3763	40,73	23,22	0,57	4010	39,78	22,67	0,57	4191

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
90%	21	69.8	18	64.4	29.70	18.12	0.61	3812	27.62	16.85	0.61	4003	27.34	16.68	0.61	4043	22.56	13.76	0.61	4197	21.88	13.35	0.61	4227	19.48	11.88	0.61	4311	18.70	11.40	0.61	4355	17.76	10.83	0.61	4442
	21	69.8	20	68.0	30.92	15.15	0.49	3836	28.76	14.09	0.49	4027	28.47	13.95	0.49	4067	23.49	11.51	0.49	4221	22.78	11.16	0.49	4250	20.28	9.94	0.49	4335	19.47	9.54	0.49	4378	18.49	9.06	0.49	4465
	22	71.6	18	64.4	30.62	19.90	0.65	3851	28.47	18.51	0.65	4044	28.19	18.32	0.65	4084	23.26	15.12	0.65	4240	22.56	14.66	0.65	4269	20.08	13.05	0.65	4355	19.27	12.53	0.65	4399	18.31	11.90	0.65	4487
	22	71.6	20	68.0	31.56	16.72	0.53	3874	29.35	15.55	0.53	4067	29.05	15.40	0.53	4108	23.97	12.70	0.53	4263	23.25	12.32	0.53	4293	20.69	10.97	0.53	4379	19.86	10.53	0.53	4422	18.87	10.00	0.53	4511
	22	71.6	22	71.6	32.09	13.16	0.41	3891	29.85	12.24	0.41	4084	29.55	12.11	0.41	4124	24.38	9.99	0.41	4280	23.64	9.69	0.41	4309	21.04	8.63	0.41	4395	20.20	8.28	0.41	4439	19.19	7.87	0.41	4527
	23	73.4	18	64.4	31.24	21.56	0.69	3889	29.06	20.05	0.69	4084	28.77	19.85	0.69	4125	23.73	16.37	0.69	4282	23.02	15.88	0.69	4313	20.49	14.14	0.69	4399	19.67	13.57	0.69	4443	18.68	12.89	0.69	4532
	23	73.4	20	68.0	32.20	18.35	0.57	3913	29.95	17.07	0.57	4108	29.65	16.90	0.57	4149	24.46	13.94	0.57	4306	23.72	13.52	0.57	4337	21.11	12.04	0.57	4423	20.27	11.55	0.57	4467	19.26	10.98	0.57	4556
	23	73.4	22	71.6	32.75	14.74	0.45	3930	30.45	13.70	0.45	4125	30.15	13.57	0.45	4166	24.87	11.19	0.45	4323	24.13	10.86	0.45	4353	21.47	9.66	0.45	4439	20.61	9.28	0.45	4483	19.58	8.81	0.45	4572
	24	75.2	18	64.4	31.88	23.27	0.73	3929	29.65	21.64	0.73	4126	29.35	21.43	0.73	4167	24.22	17.68	0.73	4326	23.49	17.15	0.73	4356	20.91	15.26	0.73	4443	20.07	14.65	0.73	4488	19.07	13.92	0.73	4578
	24	75.2	20	68.0	32.86	20.04	0.61	3953	30.56	18.64	0.61	4150	30.25	18.45	0.61	4191	24.96	15.22	0.61	4350	24.21	14.77	0.61	4380	21.55	13.14	0.61	4468	20.68	12.62	0.61	4512	19.65	11.99	0.61	4602
	24	75.2	22	71.6	33.41	16.37	0.49	3969	31.08	15.23	0.49	4166	30.77	15.07	0.49	4208	25.38	12.44	0.49	4366	24.62	12.06	0.49	4397	21.91	10.74	0.49	4484	21.04	10.31	0.49	4529	19.98	9.79	0.49	4619
	24	75.2	24	75.2	33.88	12.54	0.37	3989	31.51	11.66	0.37	4186	31.20	11.54	0.37	4227	25.74	9.52	0.37	4386	24.96	9.24	0.37	4416	22.22	8.22	0.37	4504	21.33	7.89	0.37	4548	20.26	7.50	0.37	4638
	25	77.0	18	64.4	32.87	25.31	0.77	3968	30.57	23.54	0.77	4167	30.26	23.30	0.77	4209	24.96	19.22	0.77	4369	24.22	18.65	0.77	4400	21.55	16.59	0.77	4488	20.69	15.93	0.77	4533	19.66	15.13	0.77	4624
	25	77.0	20	68.0	33.87	22.02	0.65	3993	31.50	20.48	0.65	4192	31.19	20.27	0.65	4234	25.73	16.72	0.65	4394	24.96	16.22	0.65	4425	22.21	14.44	0.65	4513	21.32	13.86	0.65	4558	20.26	13.17	0.65	4649
	25	77.0	22	71.6	34.45	18.26	0.53	4010	32.04	16.98	0.53	4209	31.72	16.81	0.53	4250	26.17	13.87	0.53	4411	25.38	13.45	0.53	4441	22.59	11.97	0.53	4529	21.69	11.49	0.53	4574	20.60	10.92	0.53	4665
	25	77.0	24	75.2	34.93	14.32	0.41	4029	32.49	13.32	0.41	4228	32.16	13.19	0.41	4270	26.53	10.88	0.41	4430	25.74	10.55	0.41	4461	22.91	9.39	0.41	4549	21.99	9.02	0.41	4594	20.89	8.56	0.41	4685
	26	78.8	18	64.4	33.88	27.45	0.81	4009	31.51	25.52	0.81	4209	31.20	25.27	0.81	4252	25.74	20.85	0.81	4414	24.96	20.22	0.81	4445	22.22	18.00	0.81	4534	21.33	17.28	0.81	4579	20.26	16.41	0.81	4671
	26	78.8	20	68.0	34.92	24.09	0.69	4033	32.48	22.41	0.69	4234	32.15	22.18	0.69	4276	26.52	18.30	0.69	4438	25.73	17.75	0.69	4469	22.90	15.80	0.69	4558	21.98	15.17	0.69	4604	20.88	14.41	0.69	4696
	26	78.8	22	71.6	35.51	20.24	0.57	4050	33.03	18.83	0.57	4251	32.70	18.64	0.57	4293	26.98	15.38	0.57	4455	26.17	14.91	0.57	4486	23.29	13.27	0.57	4575	22.36	12.74	0.57	4621	21.24	12.11	0.57	4712
	26	78.8	24	75.2	36.01	16.20	0.45	4070	33.49	15.07	0.45	4271	33.16	14.92	0.45	4313	27.35	12.31	0.45	4475	26.53	11.94	0.45	4506	23.61	10.63	0.45	4595	22.67	10.20	0.45	4640	21.54	9.69	0.45	4732
	26	78.8	26	78.8	36.59	12.07	0.33	4093	34.03	11.23	0.33	4294	33.69	11.12	0.33	4336	27.79	9.17	0.33	4498	26.96	8.90	0.33	4529	23.99	7.92	0.33	4618	23.03	7.60	0.33	4663	21.88	7.22	0.33	4755
	27	80.6	18	64.4	34.57	29.39	0.85	4049	32.15	27.33	0.85	4252	31.83	27.06	0.85	4295	26.26	22.32	0.85	4458	25.47	21.65	0.85	4489	22.67	19.27	0.85	4579	21.77	18.50	0.85	4625	20.68	17.58	0.85	4718
	27	80.6	19	66.2	35.28	27.87	0.79	4059	32.81	25.92	0.79	4262	32.48	25.66	0.79	4305	26.80	21.17	0.79	4468	25.99	20.54	0.79	4499	23.13	18.28	0.79	4589	22.21	17.55	0.79	4635	21.10	16.67	0.79	4728
	27	80.6	20	68.0	35.63	26.01	0.73	4074	33.14	24.19	0.73	4277	32.81	23.95	0.73	4320	27.07	19.76	0.73	4483	26.25	19.17	0.73	4514	23.37	17.06	0.73	4604	22.43	16.37	0.73	4650	21.31	15.56	0.73	4743
	27	80.6	22	71.6	36.24	22.11	0.61	4091	33.70	20.56	0.61	4294	33.36	20.35	0.61	4337	27.53	16.79	0.61	4500	26.70	16.29	0.61	4531	23.76	14.50	0.61	4621	22.81	13.92	0.61	4667	21.67	13.22	0.61	4760
	27	80.6	24	75.2	36.75	18.01	0.49	4111	34.17	16.75	0.49	4314	33.83	16.58	0.49	4357	27.91	13.68	0.49	4520	27.07	13.27	0.49	4551	24.10	11.81	0.49	4641	23.13	11.33	0.49	4687	21.98	10.77	0.49	4780
	27	80.6	26	78.8	37.33	13.81	0.37	4134	34.72	12.85	0.37	4337	34.37	12.72	0.37	4380	28.36	10.49	0.37	4543	27.51	10.18	0.37	4574	24.48	9.06	0.37	4664	23.50	8.70	0.37	4710	22.33	8.26	0.37	4803
	28	82.4	18	64.4	34.92	31.08	0.89	4089	32.48	28.90	0.89	4294	32.15	28.61	0.89	4338	26.52	23.61	0.89	4503	25.73	22.90	0.89	4534	22.90	20.38	0.89	4625	21.98	19.56	0.89	4672	20.88	18.59	0.89	4765
	28	82.4	20	68.0	35.63	27.44	0.77	4115	33.14	25.52	0.77	4320	32.81	25.26	0.77	4363	27.07	20.84	0.77	4528	26.25	20.22	0.77	4560	23.37	17.99	0.77	4650	22.43	17.27	0.77	4697	21.31	16.41	0.77	4790
	28	82.4	22	71.6	35.99	23.39	0.65	4132	33.47	21.76	0.65	4337	33.14	21.54	0.65	4380	27.34	17.77	0.65	4545	26.52	17.24	0.65	4577	23.60	15.34	0.65	4668	22.66	14.73	0.65	4714	21.52	13.99	0.65	4808
	28	82.4	24	75.2	36.60	19.40	0.53	4152	34.04	18.04	0.53	4357	33.70	17.86	0.53	4400	27.80	14.73	0.53	4565	26.97	14.29	0.53	4597	24.00	12.72	0.53	4688	23.04	12.21	0.53	4734	21.89	11.60	0.53	4828
	28	82.4	26	78.8	37.11	15.22	0.41	4175	34.52	14.15	0.41	4380	34.17	14.01	0.41	4423	28.19	11.56	0.41	4589	27.34	11.21	0.41	4620	24.34	9.98	0.41	4711	23.36	9.58	0.41	4757	22.20	9.10	0.41	4851
	29	84.2	18	64.4	35.27	32.10	0.91	4130	32.80	29.85	0.91	4337	32.47	29.55	0.91	4381	26.79	24.38	0.91	4548	25.99	23.65	0.91	4580	23.13	21.05	0.91	4671	22.20	20.20	0.91	4718	21.09	19.19	0.91	4813
	29	84.2	20	68.0	35.99	29.15	0.81	4156	33.47	27.11	0.81	4363	33.14	26.84	0.81	4406	27.34	22.14	0.81	4573	26.52	21.48	0.81	4605	23.60	19.12	0.81	4697	22.66	18.35	0.81	4744	21.52	17.43	0.81	4838
	29	84.2	22	71.6	36.71	25.33	0.69	4173	34.14	23.56	0.69	4380	33.80	23.32	0.69	4424	27.88	19.24	0.69	4591	27.05	18.66	0.69	4623	24.07	16.61	0.69	4714	23.11	15.95	0.69	4761	21.95	15.15	0.69	4856
	29	84.2	24	75.2	36.97	21.07	0.57	4194	34.38	19.60	0.57	4401	34.04	19.40	0.57	4444	28.08	16.01	0.57	4611	27.24	15.53	0.57	4643	24.24	13.82	0.57	4735	23.27	13.26	0.57	4782	22.11	12.60	0.57	4876
	29	84.2	26	78.8	37.48	16.87	0.45	4217	34.86	15.69	0.45	4424	34.51	15.53	0.45	4468	28.47	12.81	0.45	4634	27.62	12.43	0.45	4666	24.58	11.06	0.45	4758	23.60	10.62	0.45	4805	22.42	10.09	0.45	4900
	30	86.0	18	64.4	35.62	32.42	0.91	4172	33.13	30.15	0.91	4381	32.80	29.85	0.91	4425	27.06	24.62	0.91	4593	26.25	23.88	0.91	4625	23.36	21.26	0.91	4718	22.42	20.41	0.91	4765	21.30	19.39	0.91	4861
	30	86.0	20	68.0	36.35	30.90	0.85	4197	33.80	28.73	0.85	4407	33.47	28.45	0.85	4450	27.61	23.47	0.85	4619	26.78	22.76	0.85	4651	23.84	20.26	0.85	4744	22.88	19.45	0.85	4791	21.74	18.48	0.85	4887
	30	86.0	22	71.6	37.08	27.07	0.73	4215	34.48	25.17	0.73	4424	34.14	24.92	0.73	4468	28.16	20.56	0.73	4637	27.32	19.94	0.73	4669	24.31	17.75	0.73	4761	23.34	17.04	0.73	4809	22.17	16.19	0.73	4904
	30	86.0	24	75.2	37.34	22.78	0.61	4236	34.72	21.18	0.61	4445	34.38	20.97	0.61	4489	28.36	17.30	0.61	4657	27.51	16.78	0.61	4689	24.48	14.93	0.61	4782	23.50	14.34	0.61	4829	22.33	13.62	0.61	4925
	30	86.0	26	78.8	37.86	18.55	0.49	4259	35.21	17.25	0.49	4468	34.86	17.08	0.49	4512	28.76	14.09	0.49	4681	27.89	13.67	0.49	4713	24.83	12.16	0.49	4806	23.83	11.68	0.49	4853	22.64	11.09	0.49	4949
	31	87.8	18	64.4	35.98	32.74	0.91	4213	33.46	30.45	0.91	4425	33.13	30.14	0.91	4469	27.33	24.87	0.91	4639	26.51	24.12	0.91	4672	23.59	21.47	0.91	4765	22.65	20.61	0.91	4813	21.52	19.58	0.91	4910
	31	87.8	20	68.0	36.71	32.67	0.89	4239	34.14	30.39	0.89	4451	33.80	30.08	0.89	4495	27.89	24.82	0.89	4665	27.05	24.07	0.89	4698	24.07	21.43	0.89	4791	23.11	20.57	0.89	4839	21.96	19.54	0.89	4936
	31	87.8	22	71.6	37.45	28.83	0.77	4257	34.83	26.82	0.77	4468	34.48	26.55	0.77	4513	28.44	21.90	0.77	4683	27.59	21.24	0.77	4715	24.56	18.91	0.77	4809	23.57	18.15	0.77	4857	22.39	17.24	0.77	4953
	31	87.8	24	75.2	37.71	24.51	0.65	4278	35.07	22.80	0.65	4489	34.72	22.57	0.65	4533	28.64	18.62	0.65	4704	27.78	18.06	0.65	4736	24.73	16.07	0.65	4830	23.74	15.43	0.65	4878	22.55	14.66	0.65	4974
	31	87.8	26	78.8	38.24	20.27	0.53	4302	35.56	18.85	0.53	4513	35.21	18.66	0.53	4557	29.04	15.39	0.53	4728	28.17	14.93	0.53	4760	25.07	13.29	0.53	4854	24.07	12.76	0.53	4902	22.87	12.12	0.53	4998
	32	89.6	18	64.4	36.34	33.07	0.91	4256	33.79	30.75	0.91	4469	33.46	30.45	0.91	4514	27.60	25.12	0.91	4686	26.77	24.36	0.91	4718	23.83	21.68	0.91	4813	22.88	20.82	0.91	4861	21.73	19.78	0.91	4959
	32	89.6	20	68.0	37.08	33.74	0.91	4282	34.48	31.38	0.91	4495	34.14	31.07	0.91	4540	28.16	25.63	0.91	4712	27.32	24.86	0.91	4745	24.31	22.13	0.91	4839	23.34	21.24	0.91	4888	22.18	20.18	0.91	4985
	32	89.6	22	71.6	37.82	30.64	0.81	4300	35.17	28.49	0.81	4513	34.82	28.21	0.81	4558	28.73	23.27	0.81	4730	27.87	22.57	0.81	4763	24.80	20.09	0.81	4857	23.81	19.29	0.81	4905	22.62	18.32	0.81	5003
	32	89.6	24	75.2	38.09	26.28	0.69	4321	35.42	24.44	0.69	4534	35.07	24.20	0.69	4579	28.93	19.96	0.69	4751	28.06	19.36	0.69	4784	24.98	17.23	0.69	4878	23.98	16.54	0.69	4926	22.78	15.72	0.69	5024
	32	89.6	26	78.8	38.62	22.01	0.57	4345	35.92	20.47	0.57	4558	35.56	20.27	0.57	4603	29.34	16.72	0.57	4775	28.46	16.22	0.57	4808	25.33	14.44	0.57	4902	24.31	13.86	0.57	4951	23.10	13.16	0.57	5048

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
80%	21	69.8	18	64.4	33.11	20.20	0.61	2927	32.78	20.00	0.61	2954	32.42	19.78	0.61	2981	32.01	19.52	0.61	3005	31.69	19.33	0.61	3020	31.35	19.12	0.61	3120	30.91	18.86	0.61	3257	30.37	18.52	0.61	3477	29.65	18.09	0.61	3637
	21	69.8	20	68.0	34.47	16.89	0.49	2951	34.13	16.72	0.49	2977	33.76	16.54	0.49	3004	33.33	16.33	0.49	3028	33.00	16.17	0.49	3043	32.64	15.99	0.49	3144	32.19	15.77	0.49	3281	31.62	15.49	0.49	3500	30.88	15.13	0.49	3661
	22	71.6	18	64.4	34.13	22.19	0.65	2957	33.79	21.97	0.65	2984	33.43	21.73	0.65	3011	33.00	21.45	0.65	3035	32.67	21.24	0.65	3050	32.31	21.00	0.65	3152	31.87	20.71	0.65	3290	31.30	20.35	0.65	3512	30.57	19.87	0.65	3674
	22	71.6	20	68.0	35.18	18.64	0.53	2980	34.83	18.46	0.53	3007	34.45	18.26	0.53	3034	34.01	18.02	0.53	3059	33.67	17.85	0.53	3074	33.30	17.65	0.53	3175	32.84	17.41	0.53	3314	32.26	17.10	0.53	3536	31.51	16.70	0.53	3698
	22	71.6	22	71.6	35.77	14.67	0.41	2997	35.42	14.52	0.41	3023	35.03	14.36	0.41	3051	34.58	14.18	0.41	3075	34.24	14.04	0.41	3090	33.87	13.89	0.41	3191	33.40	13.69	0.41	3330	32.81	13.45	0.41	3552	32.04	13.14	0.41	3714
	23	73.4	18	64.4	34.83	24.03	0.69	2986	34.48	23.79	0.69	3014	34.11	23.53	0.69	3041	33.67	23.23	0.69	3066	33.34	23.00	0.69	3081	32.97	22.75	0.69	3183	32.52	22.44	0.69	3323	31.94	22.04	0.69	3547	31.20	21.52	0.69	3711
	23	73.4	20	68.0	35.89	20.46	0.57	3010	35.54	20.26	0.57	3038	35.15	20.04	0.57	3065	34.70	19.78	0.57	3090	34.36	19.58	0.57	3105	33.98	19.37	0.57	3207	33.51	19.10	0.57	3347	32.92	18.77	0.57	3571	32.15	18.33	0.57	3735
	23	73.4	22	71.6	36.50	16.43	0.45	3027	36.14	16.26	0.45	3054	35.75	16.09	0.45	3081	35.29	15.88	0.45	3106	34.94	15.72	0.45	3122	34.56	15.55	0.45	3224	34.08	15.34	0.45	3364	33.48	15.07	0.45	3588	32.70	14.71	0.45	3751
	24	75.2	18	64.4	35.54	25.94	0.73	3017	35.19	25.69	0.73	3044	34.80	25.41	0.73	3072	34.36	25.08	0.73	3097	34.02	24.83	0.73	3112	33.65	24.56	0.73	3215	33.18	24.22	0.73	3357	32.60	23.79	0.73	3583	31.83	23.24	0.73	3749
	24	75.2	20	68.0	36.63	22.34	0.61	3041	36.26	22.12	0.61	3068	35.87	21.88	0.61	3096	35.41	21.60	0.61	3121	35.06	21.39	0.61	3137	34.68	21.15	0.61	3240	34.20	20.86	0.61	3381	33.59	20.49	0.61	3607	32.81	20.01	0.61	3773
	24	75.2	22	71.6	37.25	18.25	0.49	3057	36.88	18.07	0.49	3085	36.48	17.87	0.49	3113	36.01	17.65	0.49	3137	35.65	17.47	0.49	3153	35.27	17.28	0.49	3256	34.78	17.04	0.49	3398	34.16	16.74	0.49	3624	33.36	16.35	0.49	3789
	24	75.2	24	75.2	37.77	13.98	0.37	3077	37.40	13.84	0.37	3104	36.99	13.69	0.37	3132	36.52	13.51	0.37	3157	36.15	13.38	0.37	3172	35.76	13.23	0.37	3276	35.27	13.05	0.37	3417	34.64	12.82	0.37	3643	33.83	12.52	0.37	3809
	25	77.0	18	64.4	36.64	28.21	0.77	3047	36.27	27.93	0.77	3075	35.88	27.63	0.77	3103	35.42	27.27	0.77	3128	35.07	27.00	0.77	3144	34.69	26.71	0.77	3248	34.21	26.34	0.77	3391	33.60	25.87	0.77	3619	32.82	25.27	0.77	3786
	25	77.0	20	68.0	37.76	24.54	0.65	3072	37.39	24.30	0.65	3099	36.98	24.04	0.65	3127	36.50	23.73	0.65	3152	36.14	23.49	0.65	3168	35.75	23.24	0.65	3272	35.26	22.92	0.65	3415	34.63	22.51	0.65	3644	33.82	21.98	0.65	3811
	25	77.0	22	71.6	38.40	20.35	0.53	3088	38.02	20.15	0.53	3116	37.61	19.93	0.53	3144	37.12	19.68	0.53	3169	36.76	19.48	0.53	3185	36.36	19.27	0.53	3289	35.86	19.00	0.53	3432	35.22	18.67	0.53	3661	34.40	18.23	0.53	3828
	25	77.0	24	75.2	38.94	15.96	0.41	3108	38.55	15.81	0.41	3136	38.13	15.63	0.41	3164	37.64	15.43	0.41	3189	37.27	15.28	0.41	3204	36.87	15.12	0.41	3309	36.36	14.91	0.41	3452	35.71	14.64	0.41	3680	34.88	14.30	0.41	3847
	26	78.8	18	64.4	37.77	30.59	0.81	3078	37.40	30.29	0.81	3106	36.99	29.96	0.81	3134	36.52	29.58	0.81	3160	36.15	29.28	0.81	3175	35.76	28.97	0.81	3281	35.27	28.57	0.81	3425	34.64	28.06	0.81	3656	33.83	27.40	0.81	3825
	26	78.8	20	68.0	38.93	26.86	0.69	3103	38.54	26.59	0.69	3131	38.12	26.30	0.69	3159	37.63	25.97	0.69	3184	37.26	25.71	0.69	3200	36.86	25.43	0.69	3306	36.35	25.08	0.69	3450	35.70	24.64	0.69	3681	34.87	24.06	0.69	3849
	26	78.8	22	71.6	39.59	22.57	0.57	3119	39.20	22.34	0.57	3147	38.77	22.10	0.57	3176	38.27	21.82	0.57	3201	37.89	21.60	0.57	3217	37.48	21.36	0.57	3322	36.96	21.07	0.57	3467	36.31	20.70	0.57	3698	35.46	20.21	0.57	3866
	26	78.8	24	75.2	40.14	18.06	0.45	3139	39.75	17.89	0.45	3167	39.31	17.69	0.45	3196	38.81	17.46	0.45	3221	38.42	17.29	0.45	3237	38.01	17.10	0.45	3342	37.48	16.87	0.45	3486	36.82	16.57	0.45	3717	35.96	16.18	0.45	3886
	26	78.8	26	78.8	40.79	13.46	0.33	3162	40.38	13.33	0.33	3190	39.94	13.18	0.33	3218	39.43	13.01	0.33	3244	39.04	12.88	0.33	3260	38.61	12.74	0.33	3365	38.08	12.57	0.33	3509	37.41	12.34	0.33	3740	36.53	12.06	0.33	3909
	27	80.6	18	64.4	38.54	32.76	0.85	3109	38.16	32.44	0.85	3137	37.74	32.08	0.85	3166	37.26	31.67	0.85	3191	36.89	31.36	0.85	3208	36.49	31.02	0.85	3314	35.99	30.59	0.85	3460	35.35	30.05	0.85	3693	34.52	29.34	0.85	3863
	27	80.6	19	66.2	39.33	31.07	0.79	3119	38.94	30.76	0.79	3147	38.52	30.43	0.79	3176	38.02	30.04	0.79	3201	37.64	29.74	0.79	3218	37.23	29.42	0.79	3324	36.72	29.01	0.79	3470	36.07	28.50	0.79	3703	35.23	27.83	0.79	3873
	27	80.6	20	68.0	39.72	29.00	0.73	3134	39.33	28.71	0.73	3162	38.90	28.40	0.73	3191	38.40	28.03	0.73	3216	38.02	27.76	0.73	3233	37.61	27.45	0.73	3339	37.09	27.07	0.73	3485	36.43	26.60	0.73	3718	35.58	25.97	0.73	3888
	27	80.6	22	71.6	40.40	24.64	0.61	3151	40.00	24.40	0.61	3179	39.56	24.13	0.61	3208	39.05	23.82	0.61	3233	38.67	23.59	0.61	3250	38.25	23.33	0.61	3356	37.72	23.01	0.61	3502	37.05	22.60	0.61	3735	36.18	22.07	0.61	3905
	27	80.6	24	75.2	40.96	20.07	0.49	3171	40.56	19.87	0.49	3199	40.12	19.66	0.49	3228	39.60	19.40	0.49	3253	39.21	19.21	0.49	3270	38.78	19.00	0.49	3376	38.25	18.74	0.49	3522	37.57	18.41	0.49	3755	36.69	17.98	0.49	3925
	27	80.6	26	78.8	41.62	15.40	0.37	3194	41.21	15.25	0.37	3222	40.76	15.08	0.37	3251	40.23	14.89	0.37	3276	39.84	14.74	0.37	3293	39.40	14.58	0.37	3399	38.86	14.38	0.37	3545	38.17	14.12	0.37	3778	37.28	13.79	0.37	3948
	28	82.4	18	64.4	38.93	34.65	0.89	3140	38.54	34.30	0.89	3169	38.12	33.93	0.89	3198	37.63	33.49	0.89	3223	37.26	33.16	0.89	3240	36.86	32.80	0.89	3347	36.35	32.35	0.89	3494	35.70	31.78	0.89	3730	34.87	31.03	0.89	3902
	28	82.4	20	68.0	39.72	30.59	0.77	3165	39.33	30.28	0.77	3194	38.90	29.95	0.77	3223	38.40	29.57	0.77	3249	38.02	29.28	0.77	3265	37.61	28.96	0.77	3372	37.09	28.56	0.77	3519	36.43	28.05	0.77	3755	35.58	27.40	0.77	3927
	28	82.4	22	71.6	40.12	26.08	0.65	3182	39.72	25.82	0.65	3211	39.29	25.54	0.65	3240	38.79	25.21	0.65	3266	38.40	24.96	0.65	3282	37.98	24.69	0.65	3389	37.46	24.35	0.65	3537	36.80	23.92	0.65	3772	35.93	23.36	0.65	3944
	28	82.4	24	75.2	40.80	21.62	0.53	3203	40.40	21.41	0.53	3231	39.96	21.18	0.53	3260	39.44	20.91	0.53	3286	39.05	20.70	0.53	3302	38.63	20.47	0.53	3410	38.10	20.19	0.53	3557	37.42	19.83	0.53	3792	36.54	19.37	0.53	3965
	28	82.4	26	78.8	41.37	16.96	0.41	3226	40.96	16.79	0.41	3254	40.52	16.61	0.41	3283	40.00	16.40	0.41	3309	39.60	16.24	0.41	3325	39.17	16.06	0.41	3433	38.63	15.84	0.41	3580	37.95	15.56	0.41	3816	37.06	15.19	0.41	3988
	29	84.2	18	64.4	39.32	35.78	0.91	3171	38.93	35.42	0.91	3200	38.50	35.04	0.91	3229	38.01	34.59	0.91	3256	37.63	34.25	0.91	3272	37.22	33.87	0.91	3381	36.71	33.41	0.91	3529	36.06	32.82	0.91	3767	35.22	32.05	0.91	3941
	29	84.2	20	68.0	40.12	32.50	0.81	3197	39.72	32.17	0.81	3226	39.29	31.82	0.81	3255	38.79	31.42	0.81	3281	38.40	31.10	0.81	3298	37.98	30.77	0.81	3406	37.46	30.34	0.81	3555	36.80	29.81	0.81	3793	35.93	29.11	0.81	3967
	29	84.2	22	71.6	40.92	28.24	0.69	3214	40.52	27.96	0.69	3243	40.08	27.65	0.69	3272	39.56	27.30	0.69	3298	39.17	27.03	0.69	3315	38.74	26.73	0.69	3423	38.21	26.36	0.69	3572	37.53	25.90	0.69	3810	36.65	25.29	0.69	3984
	29	84.2	24	75.2	41.21	23.49	0.57	3235	40.80	23.26	0.57	3264	40.36	23.00	0.57	3293	39.84	22.71	0.57	3319	39.44	22.48	0.57	3335	39.02	22.24	0.57	3444	38.48	21.93	0.57	3592	37.80	21.54	0.57	3830	36.91	21.04	0.57	4004
	29	84.2	26	78.8	41.79	18.80	0.45	3258	41.37	18.62	0.45	3287	40.92	18.41	0.45	3316	40.40	18.18	0.45	3342	40.00	18.00	0.45	3359	39.56	17.80	0.45	3467	39.02	17.56	0.45	3616	38.33	17.25	0.45	3854	37.43	16.84	0.45	4028
	30	86.0	18	64.4	39.71	36.14	0.91	3203	39.32	35.78	0.91	3232	38.89	35.39	0.91	3262	38.39	34.93	0.91	3288	38.01	34.59	0.91	3305	37.60	34.21	0.91	3414	37.08	33.74	0.91	3564	36.42	33.14	0.91	3805	35.57	32.37	0.91	3980
	30	86.0	20	68.0	40.52	34.44	0.85	3229	40.12	34.10	0.85	3258	39.68	33.73	0.85	3288	39.17	33.30	0.85	3314	38.79	32.97	0.85	3330	38.36	32.61	0.85	3440	37.83	32.16	0.85	3590	37.16	31.59	0.85	3831	36.29	30.85	0.85	4006
	30	86.0	22	71.6	41.33	30.17	0.73	3246	40.92	29.87	0.73	3276	40.48	29.55	0.73	3305	39.96	29.17	0.73	3331	39.56	28.88	0.73	3348	39.13	28.57	0.73	3458	38.59	28.17	0.73	3608	37.91	27.67	0.73	3848	37.02	27.02	0.73	4024
	30	86.0	24	75.2	41.62	25.39	0.61	3267	41.21	25.14	0.61	3296	40.76	24.86	0.61	3326	40.24	24.54	0.61	3352	39.84	24.30	0.61	3369	39.41	24.04	0.61	3478	38.86	23.71	0.61	3628	38.17	23.29	0.61	3869	37.28	22.74	0.61	4044
	30	86.0	26	78.8	42.20	20.68	0.49	3291	41.79	20.47	0.49	3320	41.33	20.25	0.49	3349	40.80	19.99	0.49	3376	40.40	19.79	0.49	3392	39.96	19.58	0.49	3502	39.41	19.31	0.49	3652	38.71	18.97	0.49	3892	37.80	18.52	0.49	4068
	31	87.8	18	64.4	40.11	36.50	0.91	3235	39.71	36.14	0.91	3265	39.28	35.74	0.91	3294	38.77	35.28	0.91	3321	38.39	34.93	0.91	3338	37.97	34.55	0.91	3448	37.45	34.08	0.91	3600	36.79	33.47	0.91	3843	35.92	32.69	0.91	4020
	31	87.8	20	68.0	40.93	36.42	0.89	3261	40.52	36.06	0.89	3291	40.08	35.67	0.89	3320	39.56	35.21	0.89	3347	39.17	34.86	0.89	3364	38.75	34.48	0.89	3474	38.21	34.01	0.89	3626	37.54	33.41	0.89	3869	36.66	32.62	0.89	4046
	31	87.8	22	71.6	41.74	32.14	0.77	3279	41.33	31.82	0.77	3308	40.88	31.48	0.77	3338	40.36	31.07	0.77	3365	39.96	30.77	0.77	3381	39.52	30.43	0.77	3492	38.98	30.01	0.77	3644	38.29	29.48	0.77	3887	37.39	28.79	0.77	4064
	31	87.8	24	75.2	42.04	27.32	0.65	3300	41.62	27.05	0.65	3329	41.17	26.76	0.65	3359	40.64	26.42	0.65	3386	40.24	26.15	0.65	3402	39.80	25.87	0.65	3513	39.25	25.51	0.65	3665	38.56	25.06	0.65	3907	37.65	24.47	0.65	4085
	31	87.8	26	78.8	42.63	22.59	0.53	3324	42.20	22.37	0.53	3353	41.74	22.12	0.53	3383	41.21	21.84	0.53	3409	40.80	21.62	0.53	3426	40.36	21.39	0.53	3537	39.80	21.09	0.53	3689	39.10	20.72	0.53	3931	38.18	20.24	0.53	4109
	32	89.6	18	64.4	40.51	36.86	0.91	3268	40.11	36.50	0.91	3297	39.67	36.10	0.91	3327	39.16	35.64	0.91	3354	38.77	35.28	0.91	3371	38.35	34.90	0.91	3483	37.82	34.42	0.91	3636	37.15	33.81	0.91	3881	36.28	33.02	0.91	4060
	32	89.6	20	68.0	41.33	37.61	0.91	3294	40.93	37.24	0.91	3324	40.48	36.84	0.91	3354	39.96	36.36	0.91	3381	39.56	36.00	0.91	3397	39.13	35.61	0.91	3509	38.59	35.12	0.91	3662	37.91	34.50	0.91	3908	37.02	33.69	0.91	4087
	32	89.6	22	71.6	42.16	34.15	0.81	3312	41.74	33.81	0.81	3341	41.29	33.44	0.81	3371	40.76	33.02	0.81	3398	40.36	32.69	0.81	3415	39.92	32.33	0.81	3527	39.37	31.89	0.81	3680	38.67	31.32	0.81	3925	37.76	30.59	0.81	4105
	32	89.6	24	75.2	42.46	29.30	0.69	3333	42.04	29.01	0.69	3362	41.58	28.69	0.69	3393	41.05	28.32	0.69	3419	40.64	28.04	0.69	3436	40.20	27.74	0.69	3548	39.64	27.35	0.69	3701	38.94	26.87	0.69	3946	38.03	26.24	0.69	4126
	32	89.6	26	78.8	43.05	24.54	0.57	3357	42.63	24.30	0.57	3387	42.16	24.03	0.57	3417	41.62	23.72	0.57	3444	41.21	23.49	0.57	3461	40.76	23.23	0.57	3572	40.20	22.91	0.57	3725	39.49	22.51	0.57	3971	38.56	21.98	0.57	4150

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
80%	21	69.8	18	64.4	28,79	17,56	0,61	3773	26,77	16,33	0,61	3963	26,51	16,17	0,61	4002	21,87	13,34	0,61	4155	21,21	12,94	0,61	4184	18,88	11,52	0,61	4268	18,12	11,06	0,61	4311	17,22	10,50	0,61	4397
	21	69.8	20	68.0	29,98	14,69	0,49	3797	27,88	13,66	0,49	3986	27,60	13,52	0,49	4026	22,77	11,16	0,49	4178	22,09	10,82	0,49	4207	19,66	9,63	0,49	4291	18,87	9,25	0,49	4334	17,93	8,78	0,49	4420
	22	71.6	18	64.4	29,68	19,29	0,65	3812	27,60	17,94	0,65	4003	27,33	17,76	0,65	4043	22,54	14,65	0,65	4197	21,87	14,21	0,65	4226	19,46	12,65	0,65	4311	18,68	12,14	0,65	4354	17,75	11,54	0,65	4441
	22	71.6	20	68.0	30,59	16,21	0,53	3835	28,45	15,08	0,53	4026	28,16	14,93	0,53	4067	23,23	12,31	0,53	4221	22,54	11,95	0,53	4250	20,06	10,63	0,53	4335	19,26	10,21	0,53	4378	18,29	9,70	0,53	4465
	22	71.6	22	71.6	31,11	12,75	0,41	3852	28,93	11,86	0,41	4043	28,64	11,74	0,41	4083	23,63	9,69	0,41	4237	22,92	9,40	0,41	4266	20,40	8,36	0,41	4351	19,58	8,03	0,41	4394	18,60	7,63	0,41	4481
	23	73.4	18	64.4	30,29	20,90	0,69	3850	28,17	19,43	0,69	4043	27,88	19,24	0,69	4084	23,00	15,87	0,69	4239	22,31	15,40	0,69	4269	19,86	13,70	0,69	4354	19,07	13,16	0,69	4398	18,11	12,50	0,69	4486
	23	73.4	20	68.0	31,21	17,79	0,57	3874	29,03	16,55	0,57	4067	28,74	16,38	0,57	4108	23,71	13,51	0,57	4263	23,00	13,11	0,57	4293	20,47	11,67	0,57	4378	19,65	11,20	0,57	4422	18,67	10,64	0,57	4510
	23	73.4	22	71.6	31,74	14,28	0,45	3890	29,52	13,28	0,45	4083	29,23	13,15	0,45	4124	24,11	10,85	0,45	4279	23,39	10,52	0,45	4309	20,82	9,37	0,45	4395	19,98	8,99	0,45	4438	18,98	8,54	0,45	4527
	24	75.2	18	64.4	30,90	22,56	0,73	3889	28,74	20,98	0,73	4084	28,45	20,77	0,73	4125	23,47	17,14	0,73	4282	22,77	16,62	0,73	4312	20,27	14,79	0,73	4398	19,45	14,20	0,73	4442	18,48	13,49	0,73	4532
	24	75.2	20	68.0	31,85	19,43	0,61	3913	29,62	18,07	0,61	4108	29,32	17,89	0,61	4149	24,19	14,76	0,61	4306	23,47	14,31	0,61	4336	20,89	12,74	0,61	4423	20,05	12,23	0,61	4467	19,05	11,62	0,61	4556
	24	75.2	22	71.6	32,39	15,87	0,49	3930	30,12	14,76	0,49	4125	29,82	14,61	0,49	4166	24,60	12,06	0,49	4323	23,87	11,69	0,49	4353	21,24	10,41	0,49	4439	20,39	9,99	0,49	4483	19,37	9,49	0,49	4572
	24	75.2	24	75.2	32,85	12,15	0,37	3949	30,55	11,30	0,37	4144	30,24	11,19	0,37	4185	24,95	9,23	0,37	4342	24,20	8,95	0,37	4372	21,54	7,97	0,37	4459	20,68	7,65	0,37	4503	19,64	7,27	0,37	4592
	25	77.0	18	64.4	31,86	24,53	0,77	3928	29,63	22,82	0,77	4125	29,33	22,59	0,77	4166	24,20	18,63	0,77	4325	23,47	18,08	0,77	4356	20,89	16,09	0,77	4443	20,06	15,44	0,77	4487	19,05	14,67	0,77	4577
	25	77.0	20	68.0	32,84	21,34	0,65	3953	30,54	19,85	0,65	4150	30,23	19,65	0,65	4191	24,94	16,21	0,65	4350	24,19	15,73	0,65	4380	21,53	14,00	0,65	4467	20,67	13,44	0,65	4512	19,64	12,76	0,65	4602
	25	77.0	22	71.6	33,39	17,70	0,53	3969	31,06	16,46	0,53	4166	30,75	16,30	0,53	4208	25,37	13,44	0,53	4366	24,60	13,04	0,53	4397	21,90	11,61	0,53	4484	21,02	11,14	0,53	4529	19,97	10,58	0,53	4618
	25	77.0	24	75.2	33,86	13,88	0,41	3989	31,49	12,91	0,41	4186	31,18	12,78	0,41	4227	25,72	10,55	0,41	4386	24,95	10,23	0,41	4416	22,20	9,10	0,41	4504	21,32	8,74	0,41	4548	20,25	8,30	0,41	4638
	26	78.8	18	64.4	32,85	26,61	0,81	3968	30,55	24,74	0,81	4167	30,24	24,50	0,81	4209	24,95	20,21	0,81	4369	24,20	19,60	0,81	4400	21,54	17,45	0,81	4488	20,68	16,75	0,81	4533	19,64	15,91	0,81	4624
	26	78.8	20	68.0	33,85	23,36	0,69	3993	31,48	21,72	0,69	4192	31,17	21,51	0,69	4233	25,71	17,74	0,69	4394	24,94	17,21	0,69	4424	22,20	15,32	0,69	4512	21,31	14,70	0,69	4557	20,24	13,97	0,69	4648
	26	78.8	22	71.6	34,43	19,62	0,57	4010	32,02	18,25	0,57	4208	31,70	18,07	0,57	4250	26,15	14,91	0,57	4410	25,37	14,46	0,57	4441	22,58	12,87	0,57	4529	21,67	12,35	0,57	4574	20,59	11,74	0,57	4665
	26	78.8	24	75.2	34,91	15,71	0,45	4029	32,47	14,61	0,45	4228	32,14	14,46	0,45	4270	26,52	11,93	0,45	4430	25,72	11,57	0,45	4461	22,89	10,30	0,45	4549	21,98	9,89	0,45	4594	20,88	9,39	0,45	4685
	26	78.8	26	78.8	35,47	11,70	0,33	4052	32,98	10,88	0,33	4251	32,65	10,78	0,33	4293	26,94	8,89	0,33	4453	26,13	8,62	0,33	4484	23,26	7,67	0,33	4572	22,33	7,37	0,33	4617	21,21	7,00	0,33	4708
	27	80.6	18	64.4	33,52	28,49	0,85	4008	31,17	26,49	0,85	4209	30,86	26,23	0,85	4251	25,46	21,64	0,85	4413	24,69	20,99	0,85	4444	21,98	18,68	0,85	4533	21,10	17,93	0,85	4578	20,04	17,04	0,85	4670
	27	80.6	19	66.2	34,20	27,02	0,79	4018	31,81	25,13	0,79	4219	31,49	24,88	0,79	4261	25,98	20,52	0,79	4423	25,20	19,91	0,79	4454	22,43	17,72	0,79	4543	21,53	17,01	0,79	4588	20,45	16,16	0,79	4680
	27	80.6	20	68.0	34,54	25,22	0,73	4033	32,12	23,45	0,73	4234	31,80	23,22	0,73	4276	26,24	19,15	0,73	4438	25,45	18,58	0,73	4469	22,65	16,53	0,73	4558	21,74	15,87	0,73	4603	20,66	15,08	0,73	4695
	27	80.6	22	71.6	35,13	21,43	0,61	4050	32,67	19,93	0,61	4251	32,34	19,73	0,61	4293	26,68	16,28	0,61	4455	25,88	15,79	0,61	4486	23,04	14,05	0,61	4575	22,11	13,49	0,61	4620	21,01	12,82	0,61	4712
	27	80.6	24	75.2	35,62	17,45	0,49	4070	33,13	16,23	0,49	4271	32,80	16,07	0,49	4313	27,06	13,26	0,49	4475	26,25	12,86	0,49	4506	23,36	11,45	0,49	4595	22,42	10,99	0,49	4640	21,30	10,44	0,49	4732
	27	80.6	26	78.8	36,19	13,39	0,37	4093	33,66	12,45	0,37	4294	33,32	12,33	0,37	4336	27,49	10,17	0,37	4498	26,67	9,87	0,37	4529	23,73	8,78	0,37	4618	22,78	8,43	0,37	4663	21,64	8,01	0,37	4755
	28	82.4	18	64.4	33,85	30,13	0,89	4048	31,48	28,02	0,89	4251	31,17	27,74	0,89	4294	25,71	22,88	0,89	4457	24,94	22,20	0,89	4488	22,20	19,76	0,89	4578	21,31	18,97	0,89	4624	20,24	18,02	0,89	4717
	28	82.4	20	68.0	34,54	26,60	0,77	4073	32,12	24,74	0,77	4276	31,80	24,49	0,77	4319	26,24	20,20	0,77	4482	25,45	19,60	0,77	4514	22,65	17,44	0,77	4604	21,74	16,74	0,77	4650	20,66	15,91	0,77	4742
	28	82.4	22	71.6	34,89	22,68	0,65	4091	32,45	21,09	0,65	4293	32,12	20,88	0,65	4336	26,50	17,22	0,65	4500	25,70	16,71	0,65	4531	22,88	14,87	0,65	4621	21,96	14,28	0,65	4667	20,86	13,56	0,65	4759
	28	82.4	24	75.2	35,48	18,80	0,53	4111	33,00	17,49	0,53	4314	32,67	17,31	0,53	4356	26,95	14,28	0,53	4520	26,14	13,86	0,53	4551	23,27	12,33	0,53	4641	22,34	11,84	0,53	4687	21,22	11,25	0,53	4780
	28	82.4	26	78.8	35,98	14,75	0,41	4134	33,46	13,72	0,41	4337	33,12	13,58	0,41	4379	27,33	11,20	0,41	4543	26,51	10,87	0,41	4574	23,59	9,67	0,41	4664	22,65	9,29	0,41	4710	21,52	8,82	0,41	4803
	29	84.2	18	64.4	34,19	31,11	0,91	4089	31,80	28,93	0,91	4293	31,48	28,65	0,91	4337	25,97	23,63	0,91	4502	25,19	22,92	0,91	4533	22,42	20,40	0,91	4624	21,52	19,59	0,91	4671	20,45	18,61	0,91	4764
	29	84.2	20	68.0	34,89	28,26	0,81	4114	32,45	26,28	0,81	4319	32,12	26,02	0,81	4362	26,50	21,46	0,81	4527	25,70	20,82	0,81	4559	22,88	18,53	0,81	4650	21,96	17,79	0,81	4696	20,86	16,90	0,81	4790
	29	84.2	22	71.6	35,59	24,55	0,69	4131	33,09	22,84	0,69	4336	32,76	22,61	0,69	4379	27,03	18,65	0,69	4545	26,22	18,09	0,69	4576	23,33	16,10	0,69	4667	22,40	15,46	0,69	4713	21,28	14,68	0,69	4807
	29	84.2	24	75.2	35,84	20,43	0,57	4152	33,33	19,00	0,57	4357	32,99	18,81	0,57	4400	27,22	15,52	0,57	4565	26,40	15,05	0,57	4597	23,50	13,39	0,57	4687	22,56	12,86	0,57	4734	21,43	12,22	0,57	4827
	29	84.2	26	78.8	36,34	16,35	0,45	4175	33,79	15,21	0,45	4380	33,46	15,05	0,45	4423	27,60	12,42	0,45	4588	26,77	12,05	0,45	4620	23,83	10,72	0,45	4711	22,87	10,29	0,45	4757	21,73	9,78	0,45	4851
	30	86.0	18	64.4	34,53	31,42	0,91	4129	32,11	29,22	0,91	4336	31,79	28,93	0,91	4380	26,23	23,87	0,91	4547	25,44	23,15	0,91	4579	22,64	20,61	0,91	4670	21,74	19,78	0,91	4717	20,65	18,79	0,91	4812
	30	86.0	20	68.0	35,24	29,95	0,85	4155	32,77	27,85	0,85	4362	32,44	27,58	0,85	4406	26,76	22,75	0,85	4572	25,96	22,07	0,85	4604	23,11	19,64	0,85	4696	22,18	18,85	0,85	4743	21,07	17,91	0,85	4838
	30	86.0	22	71.6	35,94	26,24	0,73	4173	33,43	24,40	0,73	4380	33,09	24,16	0,73	4423	27,30	19,93	0,73	4590	26,48	19,33	0,73	4622	23,57	17,20	0,73	4714	22,63	16,52	0,73	4760	21,49	15,69	0,73	4855
	30	86.0	24	75.2	36,19	22,08	0,61	4193	33,66	20,53	0,61	4400	33,32	20,33	0,61	4444	27,49	16,77	0,61	4611	26,67	16,27	0,61	4643	23,73	14,48	0,61	4734	22,78	13,90	0,61	4781	21,65	13,20	0,61	4876
	30	86.0	26	78.8	36,70	17,98	0,49	4217	34,13	16,72	0,49	4424	33,79	16,56	0,49	4467	27,88	13,66	0,49	4634	27,04	13,25	0,49	4666	24,07	11,79	0,49	4758	23,10	11,32	0,49	4805	21,95	10,75	0,49	4899
	31	87.8	18	64.4	34,88	31,74	0,91	4171	32,44	29,52	0,91	4380	32,11	29,22	0,91	4424	26,49	24,11	0,91	4592	25,70	23,38	0,91	4624	22,87	20,81	0,91	4717	21,96	19,98	0,91	4764	20,86	18,98	0,91	4860
	31	87.8	20	68.0	35,59	31,67	0,89	4197	33,10	29,46	0,89	4406	32,77	29,16	0,89	4450	27,03	24,06	0,89	4618	26,22	23,34	0,89	4650	23,34	20,77	0,89	4743	22,40	19,94	0,89	4790	21,28	18,94	0,89	4886
	31	87.8	22	71.6	36,30	27,95	0,77	4214	33,76	25,99	0,77	4424	33,42	25,73	0,77	4467	27,57	21,23	0,77	4636	26,75	20,59	0,77	4668	23,80	18,33	0,77	4761	22,85	17,60	0,77	4808	21,71	16,72	0,77	4904
	31	87.8	24	75.2	36,56	23,76	0,65	4235	34,00	22,10	0,65	4444	33,66	21,88	0,65	4488	27,77	18,05	0,65	4657	26,93	17,51	0,65	4689	23,97	15,58	0,65	4782	23,01	14,96	0,65	4829	21,86	14,21	0,65	4924
	31	87.8	26	78.8	37,07	19,65	0,53	4259	34,47	18,27	0,53	4468	34,13	18,09	0,53	4512	28,16	14,92	0,53	4681	27,31	14,47	0,53	4713	24,31	12,88	0,53	4806	23,33	12,37	0,53	4853	22,17	11,75	0,53	4948
	32	89.6	18	64.4	35,23	32,06	0,91	4212	32,76	29,81	0,91	4424	32,43	29,51	0,91	4468	26,76	24,35	0,91	4638	25,95	23,62	0,91	4671	23,10	21,02	0,91	4764	22,18	20,18	0,91	4812	21,07	19,17	0,91	4908
	32	89.6	20	68.0	35,94	32,71	0,91	4239	33,43	30,42	0,91	4450	33,09	30,12	0,91	4494	27,30	24,85	0,91	4664	26,48	24,10	0,91	4697	23,57	21,45	0,91	4791	22,63	20,59	0,91	4838	21,50	19,56	0,91	4935
	32	89.6	22	71.6	36,66	29,70	0,81	4257	34,10	27,62	0,81	4468	33,76	27,34	0,81	4512	27,85	22,56	0,81	4682	27,01	21,88	0,81	4715	24,04	19,47	0,81	4808	23,08	18,69	0,81	4856	21,93	17,76	0,81	4953
	32	89.6	24	75.2	36,92	25,48	0,69	4278	34,34	23,69	0,69	4489	33,99	23,46	0,69	4533	28,04	19,35	0,69	4703	27,20	18,77	0,69	4736	24,21	16,71	0,69	4829	23,24	16,04	0,69	4877	22,08	15,24	0,69	4974
	32	89.6	26	78.8	37,44	21,34	0,57	4302	34,82	19,85	0,57	4513	34,47	19,65	0,57	4557	28,44	16,21	0,57	4727	27,58	15,72	0,57	4760	24,55	13,99	0,57	4854	23,57	13,43	0,57	4901	22,39	12,76	0,57	4998

5. CAPACITIES AND SELECTION DATA

36K(Up to 4 indoor units series)

PERFORMANCE DATA (Heating Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	15	59.0	30.00	4824	34.51	5283	38.34	5561	41.67	5675	29.08	5014	32.32	5065	34.02	5116	37.38	5221	40.63	5495	41.67	5563	43.88	5770	46.08	5943	47.46	6062	48.88	6183
	16	60.8	29.65	4862	34.10	5326	37.88	5606	41.18	5720	28.74	5055	31.93	5106	33.61	5157	36.94	5263	40.15	5540	41.18	5608	43.36	5817	45.53	5991	46.90	6111	48.30	6233
	17	62.6	29.30	4902	33.69	5369	37.44	5651	40.69	5767	28.40	5096	31.55	5147	33.21	5199	36.50	5305	39.67	5584	40.69	5654	42.85	5864	44.99	6039	46.34	6160	47.73	6283
	18	64.4	28.95	4941	33.29	5412	36.99	5697	40.21	5813	28.06	5137	31.18	5189	32.82	5241	36.07	5348	39.20	5629	40.21	5699	42.34	5911	44.46	6088	45.79	6210	47.16	6334
	19	66.2	28.61	4981	32.90	5456	36.55	5743	39.73	5860	27.73	5178	30.81	5230	32.43	5283	35.64	5391	38.74	5675	39.73	5745	41.84	5959	43.93	6137	45.25	6260	46.60	6385
	20	68.0	28.32	5021	32.57	5500	36.19	5789	39.34	5907	27.45	5220	30.51	5273	32.11	5326	35.29	5435	38.35	5721	39.34	5791	41.42	6007	43.49	6187	44.80	6311	46.14	6437
	21	69.8	27.98	5076	32.18	5560	35.76	5853	38.87	5972	27.13	5277	30.14	5331	31.73	5384	34.86	5494	37.89	5783	38.87	5855	40.93	6073	42.97	6255	44.26	6380	45.59	6508
	22	71.6	27.65	5132	31.79	5621	35.33	5917	38.40	6038	26.80	5335	29.78	5389	31.34	5444	34.44	5555	37.44	5847	38.40	5920	40.43	6139	42.46	6324	43.73	6450	45.04	6579
	23	73.4	27.32	5189	31.41	5683	34.90	5982	37.94	6104	26.48	5394	29.42	5448	30.97	5504	34.03	5616	36.99	5911	37.94	5985	39.95	6207	41.95	6393	43.21	6521	44.50	6651
	24	75.2	26.99	5246	31.04	5746	34.48	6048	37.48	6172	26.16	5453	29.07	5508	30.60	5564	33.62	5678	36.55	5976	37.48	6050	39.47	6275	41.44	6464	42.69	6593	43.97	6725
	25	77.0	26.66	5303	30.66	5809	34.07	6115	37.03	6239	25.85	5513	28.72	5569	30.23	5625	33.22	5740	36.11	6042	37.03	6117	39.00	6344	40.95	6535	42.17	6665	43.44	6799
	26	78.8	26.34	5362	30.30	5873	33.66	6182	36.59	6308	25.54	5574	28.37	5630	29.87	5687	32.82	5803	35.67	6109	36.59	6184	38.53	6414	40.46	6606	41.67	6739	42.92	6873
	27	80.6	26.03	5421	29.93	5937	33.26	6250	36.15	6377	25.23	5635	28.03	5692	29.51	5750	32.43	5867	35.25	6176	36.15	6252	38.07	6485	39.97	6679	41.17	6813	42.40	6949
	28	82.4	25.72	5480	29.57	6003	32.86	6319	35.72	6448	24.93	5697	27.70	5755	29.15	5813	32.04	5932	34.82	6244	35.72	6321	37.61	6556	39.49	6753	40.67	6888	41.89	7025
	29	84.2	25.41	5541	29.22	6069	32.46	6388	35.29	6518	24.63	5760	27.36	5818	28.80	5877	31.65	5997	34.41	6312	35.29	6391	37.16	6628	39.02	6827	40.19	6963	41.39	7103
	30	86.0	25.10	5602	28.87	6135	32.08	6458	34.86	6590	24.33	5823	27.04	5882	28.46	5942	31.27	6063	33.99	6382	34.86	6461	36.71	6701	38.55	6902	39.70	7040	40.90	7181

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
120%	15	59.0	29.13	4594	33.50	5032	37.22	5296	40.46	5404	28.24	4776	31.37	4824	33.03	4873	36.29	4972	39.45	5234	40.46	5299	42.60	5495	44.73	5660	46.08	5773	47.46	5889
	16	60.8	28.79	4631	33.10	5072	36.78	5339	39.98	5448	27.90	4814	31.00	4863	32.63	4912	35.86	5012	38.98	5276	39.98	5341	42.10	5540	44.20	5706	45.53	5820	46.90	5936
	17	62.6	28.44	4668	32.71	5113	36.35	5382	39.51	5492	27.57	4853	30.63	4902	32.25	4951	35.44	5053	38.52	5318	39.51	5384	41.60	5584	43.68	5752	44.99	5867	46.34	5984
	18	64.4	28.11	4706	32.32	5154	35.91	5426	39.04	5536	27.24	4892	30.27	4941	31.86	4991	35.02	5093	38.06	5361	39.04	5428	41.11	5629	43.16	5798	44.46	5914	45.79	6033
	19	66.2	27.77	4744	31.94	5196	35.49	5469	38.57	5581	26.92	4932	29.91	4981	31.49	5032	34.60	5134	37.61	5405	38.57	5472	40.62	5675	42.65	5845	43.93	5962	45.25	6081
	20	68.0	27.50	4782	31.62	5238	35.14	5513	38.19	5626	26.65	4971	29.62	5021	31.18	5072	34.26	5176	37.24	5448	38.19	5516	40.22	5721	42.23	5892	43.49	6010	44.80	6130
	21	69.8	27.17	4835	31.24	5295	34.72	5574	37.73	5688	26.34	5026	29.26	5077	30.80	5128	33.85	5233	36.79	5508	37.73	5576	39.73	5783	41.72	5957	42.97	6076	44.26	6198
	22	71.6	26.84	4888	30.87	5354	34.30	5635	37.28	5750	26.02	5081	28.91	5133	30.43	5184	33.44	5290	36.35	5569	37.28	5638	39.26	5847	41.22	6023	42.46	6143	43.73	6266
	23	73.4	26.52	4942	30.50	5413	33.89	5697	36.83	5814	25.71	5137	28.56	5189	30.07	5241	33.04	5348	35.91	5630	36.83	5700	38.79	5911	40.73	6089	41.95	6211	43.21	6335
	24	75.2	26.20	4996	30.13	5472	33.48	5760	36.39	5878	25.40	5194	28.22	5246	29.71	5299	32.64	5407	35.48	5692	36.39	5762	38.32	5976	40.24	6156	41.44	6279	42.69	6404
	25	77.0	25.89	5051	29.77	5532	33.08	5823	35.96	5942	25.09	5251	27.88	5304	29.35	5357	32.25	5467	35.06	5754	35.96	5826	37.86	6042	39.75	6223	40.95	6348	42.17	6475
	26	78.8	25.58	5106	29.41	5593	32.68	5887	35.52	6008	24.79	5309	27.55	5362	29.00	5416	31.86	5527	34.64	5818	35.52	5890	37.41	6109	39.28	6292	40.46	6418	41.67	6546
	27	80.6	25.27	5163	29.06	5655	32.29	5952	35.10	6074	24.49	5367	27.22	5421	28.65	5476	31.48	5588	34.22	5882	35.10	5955	36.96	6176	38.81	6361	39.97	6488	41.17	6618
	28	82.4	24.97	5219	28.71	5717	31.90	6018	34.68	6141	24.20	5426	26.89	5481	28.31	5536	31.10	5649	33.81	5946	34.68	6020	36.51	6244	38.34	6431	39.49	6560	40.67	6691
	29	84.2	24.67	5277	28.37	5780	31.52	6084	34.26	6208	23.91	5486	26.57	5541	27.97	5597	30.73	5711	33.40	6012	34.26	6086	36.08	6312	37.88	6502	39.02	6632	40.19	6764
	30	86.0	24.37	5335	28.03	5843	31.14	6151	33.85	6276	23.62	5546	26.25	5602	27.63	5659	30.36	5774	33.00	6078	33.85	6153	35.64	6382	37.43	6573	38.55	6705	39.70	6839

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
110%	15	59.0	28.28	4504	31.82	4782	35.35	5034	39.28	5299	27.41	4682	30.46	4729	32.06	4777	35.24	4874	38.30	5131	39.28	5195	41.36	5388	43.43	5549	44.73	5660	46.08	5773
	16	60.8	27.95	4540	31.44	4820	34.93	5074	38.82	5341	27.09	4720	30.10	4767	31.68	4816	34.82	4914	37.84	5172	38.82	5237	40.87	5431	42.92	5594	44.20	5706	45.53	5820
	17	62.6	27.62	4577	31.07	4859	34.52	5115	38.36	5384	26.77	4758	29.74	4806	31.31	4854	34.40	4953	37.40	5214	38.36	5279	40.39	5475	42.41	5639	43.68	5752	44.99	5867
	18	64.4	27.29	4614	30.70	4899	34.11	5156	37.90	5428	26.45	4796	29.39	4845	30.94	4894	34.00	4993	36.95	5256	37.90	5321	39.91	5519	41.90	5685	43.16	5798	44.46	5914
	19	66.2	26.96	4651	30.34	4938	33.71	5198	37.45	5472	26.14	4835	29.04	4884	30.57	4933	33.59	5034	36.51	5299	37.45	5364	39.44	5564	41.41	5730	42.65	5845	43.93	5962
	20	68.0	26.70	4688	30.03	4978	33.37	5240	37.08	5516	25.88	4874	28.75	4923	30.27	4973	33.26	5074	36.15	5341	37.08	5408	39.05	5608	41.00	5777	42.23	5892	43.49	6010
	21	69.8	26.38	4740	29.67	5033	32.97	5298	36.64	5576	25.57	4927	28.41	4977	29.90	5027	32.86	5130	35.72	5400	36.64	5467	38.58	5670	40.51	5840	41.72	5957	42.97	6076
	22	71.6	26.06	4792	29.32	5088	32.58	5356	36.20	5638	25.26	4982	28.07	5032	29.55	5083	32.47	5186	35.29	5459	36.20	5527	38.11	5732	40.02	5904	41.22	6023	42.46	6143
	23	73.4	25.75	4845	28.97	5144	32.18	5415	35.76	5700	24.96	5036	27.73	5087	29.19	5139	32.08	5244	34.87	5520	35.76	5588	37.66	5795	39.54	5969	40.73	6089	41.95	6211
	24	75.2	25.44	4898	28.62	5201	31.80	5474	35.33	5762	24.66	5092	27.40	5143	28.84	5195	31.69	5301	34.45	5580	35.33	5649	37.20	5859	39.06	6035	40.24	6156	41.44	6279
	25	77.0	25.13	4952	28.28	5258	31.42	5534	34.91	5826	24.36	5148	27.07	5200	28.49	5252	31.31	5360	34.04	5642	34.91	5712	36.76	5924	38.60	6101	39.75	6223	40.95	6348
	26	78.8	24.83	5006	27.94	5316	31.04	5595	34.49	5890	24.07	5204	26.74	5257	28.15	5310	30.94	5418	33.63	5704	34.49	5774	36.32	5989	38.13	6169	39.28	6292	40.46	6418
	27	80.6	24.53	5061	27.60	5374	30.67	5657	34.08	5955	23.78	5262	26.42	5315	27.81	5369	30.57	5478	33.22	5766	34.08	5838	35.88	6055	37.68	6236	38.81	6361	39.97	6488
	28	82.4	24.24	5117	27.27	5433	30.30	5719	33.67	6020	23.50	5320	26.11	5373	27.48	5428	30.20	5538	32.82	5830	33.67	5902	35.45	6121	37.22	6305	38.34	6431	39.49	6560
	29	84.2	23.95	5173	26.94	5493	29.94	5782	33.26	6086	23.21	5378	25.79	5432	27.15	5487	29.84	5599	32.43	5894	33.26	5967	35.03	6189	36.78	6374	37.88	6502	39.02	6632
	30	86.0	23.66	5230	26.62	5553	29.58	5846	32.86	6153	22.94	5437	25.48	5492	26.83	5548	29.48	5661	32.04	5959	32.86	6033	34.60	6257	36.34	6444	37.43	6573	38.55	6705

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Heating Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	15	59.0	27.46	4373	30.89	4643	34.32	4887	38.14	5144	26.62	4546	29.57	4591	31.13	4638	34.21	4733	37.18	4982	38.14	5043	40.16	5231	42.17	5388	43.43	5495	44.73	5605
	16	60.8	27.13	4408	30.52	4680	33.92	4926	37.68	5186	26.30	4582	29.22	4629	30.76	4675	33.80	4771	36.74	5022	37.68	5084	39.68	5273	41.67	5431	42.92	5540	44.20	5650
	17	62.6	26.81	4443	30.16	4718	33.51	4966	37.24	5228	25.99	4619	28.88	4666	30.40	4713	33.40	4809	36.31	5062	37.24	5125	39.21	5315	41.17	5475	42.41	5584	43.68	5696
	18	64.4	26.49	4479	29.81	4756	33.12	5006	36.80	5270	25.68	4656	28.53	4703	30.04	4751	33.01	4848	35.88	5103	36.80	5166	38.75	5358	40.68	5519	41.90	5629	43.16	5742
	19	66.2	26.18	4515	29.45	4794	32.72	5047	36.36	5312	25.38	4694	28.20	4741	29.68	4789	32.61	4887	35.45	5144	36.36	5208	38.29	5401	40.20	5564	41.41	5675	42.65	5788
	20	68.0	25.92	4552	29.16	4833	32.40	5087	36.00	5355	25.12	4732	27.92	4780	29.39	4828	32.29	4926	35.10	5186	36.00	5250	37.91	5445	39.80	5608	41.00	5721	42.23	5835
	21	69.8	25.61	4602	28.81	4886	32.01	5143	35.57	5414	24.82	4784	27.58	4832	29.03	4881	31.90	4981	34.68	5243	35.57	5308	37.45	5505	39.33	5670	40.51	5783	41.72	5899
	22	71.6	25.30	4652	28.46	4940	31.63	5200	35.14	5473	24.53	4837	27.25	4885	28.68	4935	31.52	5035	34.26	5300	35.14	5366	37.00	5565	38.85	5732	40.02	5847	41.22	5964
	23	73.4	25.00	4704	28.12	4994	31.25	5257	34.72	5534	24.23	4890	26.92	4939	28.34	4989	31.14	5091	33.85	5359	34.72	5425	36.56	5627	38.39	5795	39.54	5911	40.73	6030
	24	75.2	24.70	4755	27.79	5049	30.87	5315	34.30	5595	23.94	4944	26.60	4993	28.00	5044	30.77	5147	33.45	5418	34.30	5485	36.12	5689	37.93	5859	39.06	5976	40.24	6096
	25	77.0	24.40	4808	27.45	5105	30.50	5373	33.89	5656	23.65	4998	26.28	5048	27.66	5099	30.40	5203	33.04	5477	33.89	5545	35.69	5751	37.47	5924	38.60	6042	39.75	6163
	26	78.8	24.11	4861	27.12	5161	30.14	5432	33.48	5718	23.37	5053	25.97	5104	27.33	5155	30.04	5261	32.65	5538	33.48	5606	35.26	5814	37.02	5989	38.13	6109	39.28	6231
	27	80.6	23.82	4914	26.80	5218	29.77	5492	33.08	5781	23.09	5108	25.65	5160	27.00	5212	29.68	5319	32.26	5598	33.08	5668	34.84	5878	36.58	6055	37.68	6176	38.81	6299
	28	82.4	23.53	4968	26.48	5275	29.42	5553	32.69	5845	22.81	5165	25.35	5217	26.68	5270	29.32	5377	31.87	5660	32.69	5730	34.42	5943	36.14	6121	37.22	6244	38.34	6369
	29	84.2	23.25	5023	26.16	5333	29.06	5614	32.29	5909	22.54	5221	25.04	5274	26.36	5327	28.97	5436	31.49	5722	32.29	5793	34.01	6008	35.71	6189	36.78	6312	37.88	6439
	30	86.0	22.97	5078	25.84	5392	28.72	5675	31.91	5974	22.27	5279	24.74	5332	26.04	5386	28.62	5496	31.11	5785	31.91	5857	33.60	6075	35.28	6257	36.34	6382	37.43	6510
COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	15	59.0	26.50	4294	29.81	4559	33.12	4799	36.80	5052	25.68	4464	28.54	4509	30.04	4554	33.01	4647	35.88	4892	36.80	4953	38.75	5137	40.69	5291	41.91	5396	43.17	5504
	16	60.8	26.18	4328	29.46	4596	32.73	4838	36.37	5092	25.38	4500	28.20	4545	29.68	4591	32.62	4685	35.46	4931	36.37	4992	38.29	5178	40.21	5333	41.41	5440	42.66	5549
	17	62.6	25.87	4363	29.11	4633	32.34	4877	35.93	5133	25.08	4536	27.87	4582	29.33	4628	32.23	4723	35.04	4971	35.93	5033	37.84	5220	39.73	5376	40.92	5484	42.15	5594
	18	64.4	25.57	4399	28.76	4670	31.96	4916	35.51	5175	24.78	4573	27.54	4619	28.98	4665	31.85	4761	34.62	5011	35.51	5073	37.39	5262	39.26	5420	40.44	5528	41.65	5639
	19	66.2	25.26	4434	28.42	4708	31.58	4956	35.09	5217	24.49	4610	27.21	4656	28.64	4703	31.47	4799	34.21	5052	35.09	5114	36.95	5304	38.79	5463	39.96	5573	41.16	5684
	20	68.0	25.01	4470	28.14	4746	31.27	4996	34.74	5259	24.25	4647	26.94	4694	28.36	4741	31.16	4838	33.87	5092	34.74	5156	36.58	5347	38.41	5507	39.56	5618	40.75	5730
	21	69.8	24.71	4519	27.80	4798	30.89	5051	34.32	5316	23.95	4698	26.62	4745	28.02	4793	30.79	4891	33.47	5148	34.32	5212	36.14	5406	37.95	5568	39.09	5679	40.26	5793
	22	71.6	24.42	4569	27.47	4851	30.52	5106	33.91	5375	23.67	4749	26.30	4797	27.68	4846	30.42	4945	33.06	5205	33.91	5270	35.71	5465	37.49	5629	38.62	5742	39.78	5857
	23	73.4	24.12	4619	27.14	4904	30.15	5162	33.50	5434	23.38	4802	25.98	4850	27.35	4899	30.05	4999	32.67	5262	33.50	5328	35.28	5525	37.04	5691	38.16	5805	39.30	5921
	24	75.2	23.83	4670	26.81	4958	29.79	5219	33.10	5494	23.10	4855	25.67	4904	27.02	4953	29.69	5054	32.27	5320	33.10	5386	34.86	5586	36.60	5754	37.70	5869	38.83	5986
	25	77.0	23.55	4721	26.49	5013	29.43	5277	32.71	5554	22.83	4908	25.36	4958	26.70	5008	29.34	5110	31.89	5379	32.71	5445	34.44	5648	36.16	5817	37.25	5933	38.36	6052
	26	78.8	23.27	4773	26.17	5068	29.08	5335	32.31	5615	22.55	4962	25.06	5012	26.38	5063	28.98	5166	31.50	5438	32.31	5505	34.03	5710	35.73	5881	36.80	5999	37.90	6119
	27	80.6	22.99	4826	25.86	5124	28.73	5393	31.92	5677	22.28	5016	24.76	5067	26.06	5118	28.64	5223	31.13	5498	31.92	5566	33.62	5773	35.30	5946	36.36	6065	37.45	6186
	28	82.4	22.71	4879	25.55	5180	28.39	5453	31.54	5740	22.01	5072	24.46	5123	25.75	5175	28.29	5280	30.75	5558	31.54	5627	33.21	5836	34.87	6011	35.92	6131	37.00	6254
	29	84.2	22.44	4932	25.24	5237	28.05	5513	31.16	5803	21.75	5127	24.17	5179	25.44	5232	27.95	5338	30.38	5619	31.16	5689	32.81	5900	34.46	6077	35.49	6199	36.55	6323
	30	86.0	22.17	4987	24.94	5295	27.71	5573	30.79	5867	21.49	5184	23.88	5236	25.13	5289	27.62	5397	30.02	5681	30.79	5752	32.42	5965	34.04	6144	35.06	6267	36.12	6392
80%	15	59.0	25.70	4251	28.92	4513	32.13	4751	35.70	5001	24.91	4419	27.68	4464	29.14	4509	32.02	4601	34.81	4843	35.70	4903	37.59	5085	39.47	5238	40.65	5342	41.87	5449
	16	60.8	25.40	4285	28.57	4550	31.75	4789	35.27	5041	24.62	4455	27.35	4500	28.79	4545	31.64	4638	34.39	4882	35.27	4943	37.14	5126	39.00	5280	40.17	5386	41.38	5493
	17	62.6	25.10	4320	28.23	4587	31.37	4828	34.86	5082	24.33	4491	27.03	4536	28.45	4582	31.27	4675	33.99	4921	34.86	4982	36.70	5168	38.54	5323	39.70	5429	40.89	5538
	18	64.4	24.80	4355	27.90	4624	31.00	4867	34.44	5123	24.04	4527	26.71	4573	28.11	4619	30.90	4713	33.58	4961	34.44	5023	36.27	5209	38.08	5365	39.22	5473	40.40	5582
	19	66.2	24.51	4390	27.57	4661	30.63	4906	34.03	5164	23.75	4563	26.39	4610	27.78	4656	30.53	4751	33.18	5001	34.03	5063	35.84	5251	37.63	5409	38.76	5517	39.92	5627
	20	68.0	24.26	4425	27.30	4698	30.33	4946	33.70	5206	23.52	4600	26.13	4647	27.51	4694	30.23	4789	32.86	5041	33.70	5104	35.48	5294	37.26	5452	38.38	5561	39.53	5673
	21	69.8	23.97	4474	26.97	4750	29.96	5000	33.29	5263	23.24	4651	25.82	4698	27.18	4745	29.86	4842	32.46	5097	33.29	5160	35.06	5352	36.81	5512	37.92	5623	39.05	5735
	22	71.6	23.68	4523	26.64	4802	29.60	5055	32.89	5321	22.96	4702	25.51	4749	26.85	4797	29.51	4895	32.07	5153	32.89	5217	34.64	5411	36.37	5573	37.46	5684	38.58	5798
	23	73.4	23.40	4573	26.32	4855	29.25	5111	32.50	5380	22.68	4754	25.20	4802	26.53	4850	29.15	4949	31.69	5210	32.50	5274	34.22	5470	35.93	5634	37.01	5747	38.12	5862
	24	75.2	23.12	4623	26.01	4909	28.90	5167	32.11	5439	22.41	4806	24.90	4855	26.21	4904	28.80	5004	31.31	5267	32.11	5332	33.81	5530	35.50	5696	36.57	5810	37.66	5926
	25	77.0	22.84	4674	25.70	4963	28.55	5224	31.72	5499	22.14	4859	24.60	4908	25.90	4958	28.46	5059	30.93	5325	31.72	5391	33.41	5591	35.08	5759	36.13	5874	37.21	5992
	26	78.8	22.57	4725	25.39	5017	28.21	5281	31.34	5559	21.87	4912	24.31	4962	25.58	5012	28.11	5114	30.56	5383	31.34	5450	33.00	5653	34.65	5822	35.69	5939	36.77	6057
	27	80.6	22.30	4777	25.08	5072	27.87	5339	30.97	5620	21.61	4966	24.01	5016	25.28	5067	27.78	5171	30.19	5443	30.97	5510	32.61	5715	34.24	5886	35.27	6004	36.32	6124
	28	82.4	22.03	4830	24.78	5128	27.54	5398	30.60	5682	21.35	5021	23.73	5072	24.97	5123	27.44	5227	29.83	5503	30.60	5571	32.22	5778	33.83	5951	34.84	6070	35.89	6191
	29	84.2	21.76	4883	24.48	5185	27.21	5457	30.23	5745	21.10	5076	23.44	5127	24.67	5179	27.11	5285	29.47	5563	30.23	5632	31.83	5841	33.42	6017	34.42	6137	35.46	6260
	30	86.0	21.50	4937	24.19	5242	26.88	5517	29.87	5808	20.84	5132	23.16	5184	24.38	5236	26.79	5343	29.12	5624	29.87	5694	31.45	5906	33.02	6083	34.01	6204	35.03	6328

5. CAPACITIES AND SELECTION DATA

48K(Up to 5 indoor units series)

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
130%	21	69.8	18	64.4	43.10	26.29	0.61	4115	42.67	26.03	0.61	4152	42.21	25.75	0.61	4190	41.66	25.42	0.61	4224	41.25	25.16	0.61	4245	40.80	24.89	0.61	4386	40.24	24.55	0.61	4578	39.53	24.11	0.61	4887	38.60	23.55	0.61	5112
	21	69.8	20	68.0	44.87	21.99	0.49	4138	44.43	21.77	0.49	4176	43.95	21.53	0.49	4213	43.38	21.26	0.49	4247	42.95	21.05	0.49	4269	42.49	20.82	0.49	4409	41.90	20.53	0.49	4602	41.16	20.17	0.49	4910	40.19	19.70	0.49	5136
	22	71.6	18	64.4	44.43	28.88	0.65	4156	43.99	28.59	0.65	4194	43.51	28.28	0.65	4232	42.95	27.92	0.65	4266	42.53	27.64	0.65	4288	42.07	27.34	0.65	4430	41.48	26.97	0.65	4625	40.75	26.49	0.65	4936	39.80	25.87	0.65	5164
	22	71.6	20	68.0	45.79	24.27	0.53	4180	45.34	24.03	0.53	4218	44.84	23.77	0.53	4256	44.27	23.46	0.53	4290	43.83	23.23	0.53	4312	43.35	22.98	0.53	4454	42.75	22.66	0.53	4648	42.00	22.26	0.53	4960	41.01	21.74	0.53	5188
	22	71.6	22	71.6	46.57	19.09	0.41	4196	46.11	18.90	0.41	4234	45.61	18.70	0.41	4272	45.02	18.46	0.41	4306	44.58	18.28	0.41	4328	44.09	18.08	0.41	4470	43.48	17.83	0.41	4664	42.71	17.51	0.41	4976	41.71	17.10	0.41	5204
	23	73.4	18	64.4	45.34	31.28	0.69	4198	44.89	30.97	0.69	4236	44.40	30.64	0.69	4275	43.83	30.24	0.69	4309	43.40	29.94	0.69	4331	42.92	29.62	0.69	4475	42.33	29.21	0.69	4671	41.58	28.69	0.69	4986	40.61	28.02	0.69	5216
	23	73.4	20	68.0	46.73	26.63	0.57	4222	46.26	26.37	0.57	4260	45.76	26.08	0.57	4299	45.17	25.75	0.57	4333	44.72	25.49	0.57	4355	44.24	25.22	0.57	4499	43.63	24.87	0.57	4695	42.86	24.43	0.57	5010	41.85	23.86	0.57	5240
	23	73.4	22	71.6	47.52	21.38	0.45	4238	47.05	21.17	0.45	4277	46.54	20.94	0.45	4315	45.94	20.67	0.45	4350	45.48	20.47	0.45	4372	44.99	20.25	0.45	4515	44.37	19.97	0.45	4712	43.58	19.61	0.45	5026	42.56	19.15	0.45	5256
	24	75.2	18	64.4	46.26	33.77	0.73	4241	45.80	33.44	0.73	4279	45.31	33.07	0.73	4318	44.72	32.65	0.73	4353	44.28	32.33	0.73	4375	43.80	31.97	0.73	4520	43.20	31.53	0.73	4718	42.43	30.97	0.73	5036	41.44	30.25	0.73	5269
	24	75.2	20	68.0	47.68	29.08	0.61	4265	47.21	28.80	0.61	4303	46.69	28.48	0.61	4342	46.09	28.12	0.61	4377	45.64	27.84	0.61	4399	45.14	27.54	0.61	4544	44.52	27.16	0.61	4743	43.73	26.68	0.61	5061	42.71	26.05	0.61	5293
	24	75.2	22	71.6	48.49	23.76	0.49	4281	48.01	23.52	0.49	4320	47.49	23.27	0.49	4359	46.88	22.97	0.49	4394	46.41	22.74	0.49	4416	45.91	22.50	0.49	4561	45.27	22.18	0.49	4759	44.47	21.79	0.49	5077	43.43	21.28	0.49	5309
	24	75.2	24	75.2	49.17	18.19	0.37	4301	48.68	18.01	0.37	4339	48.15	17.82	0.37	4378	47.53	17.59	0.37	4413	47.06	17.41	0.37	4435	46.55	17.22	0.37	4580	45.91	16.99	0.37	4779	45.10	16.69	0.37	5096	44.04	16.29	0.37	5329
	25	77.0	18	64.4	47.69	36.72	0.77	4283	47.22	36.36	0.77	4322	46.71	35.96	0.77	4362	46.11	35.50	0.77	4397	45.65	35.15	0.77	4419	45.15	34.77	0.77	4566	44.53	34.29	0.77	4766	43.74	33.68	0.77	5087	42.72	32.89	0.77	5322
	25	77.0	20	68.0	49.15	31.95	0.65	4308	48.67	31.63	0.65	4347	48.14	31.29	0.65	4386	47.52	30.89	0.65	4421	47.05	30.58	0.65	4444	46.54	30.25	0.65	4590	45.89	29.83	0.65	4791	45.08	29.30	0.65	5112	44.03	28.62	0.65	5346
	25	77.0	22	71.6	49.99	26.49	0.53	4325	49.49	26.23	0.53	4364	48.96	25.95	0.53	4403	48.33	25.61	0.53	4438	47.85	25.36	0.53	4460	47.33	25.08	0.53	4607	46.67	24.74	0.53	4807	45.85	24.30	0.53	5128	44.77	23.73	0.53	5363
	25	77.0	24	75.2	50.69	20.78	0.41	4344	50.19	20.58	0.41	4383	49.64	20.35	0.41	4422	49.00	20.09	0.41	4458	48.52	19.89	0.41	4480	47.99	19.68	0.41	4626	47.33	19.40	0.41	4827	46.49	19.06	0.41	5148	45.40	18.61	0.41	5383
	26	78.8	18	64.4	49.17	39.83	0.81	4327	48.68	39.43	0.81	4366	48.15	39.00	0.81	4406	47.53	38.50	0.81	4441	47.06	38.12	0.81	4464	46.55	37.71	0.81	4612	45.91	37.19	0.81	4814	45.10	36.53	0.81	5139	44.04	35.67	0.81	5376
	26	78.8	20	68.0	50.67	34.96	0.69	4351	50.17	34.62	0.69	4391	49.63	34.24	0.69	4431	48.99	33.80	0.69	4466	48.50	33.47	0.69	4488	47.98	33.10	0.69	4636	47.31	32.65	0.69	4839	46.48	32.07	0.69	5163	45.39	31.32	0.69	5400
	26	78.8	22	71.6	51.53	29.37	0.57	4368	51.02	29.08	0.57	4408	50.47	28.77	0.57	4447	49.82	28.40	0.57	4483	49.33	28.12	0.57	4505	48.79	27.81	0.57	4653	48.12	27.43	0.57	4856	47.27	26.94	0.57	5180	46.16	26.31	0.57	5417
	26	78.8	24	75.2	52.26	23.52	0.45	4388	51.74	23.28	0.45	4427	51.18	23.03	0.45	4467	50.52	22.73	0.45	4503	50.02	22.51	0.45	4525	49.47	22.26	0.45	4673	48.79	21.96	0.45	4876	47.93	21.57	0.45	5200	46.81	21.06	0.45	5437
	26	78.8	26	78.8	53.09	17.52	0.33	4411	52.57	17.35	0.33	4450	51.99	17.16	0.33	4490	51.33	16.94	0.33	4526	50.82	16.77	0.33	4548	50.27	16.59	0.33	4696	49.57	16.36	0.33	4898	48.70	16.07	0.33	5223	47.55	15.69	0.33	5460
	27	80.6	18	64.4	50.17	42.65	0.85	4370	49.67	42.22	0.85	4410	49.13	41.76	0.85	4450	48.50	41.23	0.85	4486	48.02	40.82	0.85	4509	47.50	40.38	0.85	4658	46.85	39.82	0.85	4863	46.02	39.11	0.85	5190	44.94	38.20	0.85	5430
	27	80.6	19	66.2	51.20	40.44	0.79	4380	50.69	40.04	0.79	4420	50.14	39.61	0.79	4460	49.49	39.10	0.79	4496	49.00	38.71	0.79	4519	48.47	38.29	0.79	4668	47.80	37.76	0.79	4873	46.96	37.10	0.79	5200	45.86	36.23	0.79	5440
	27	80.6	20	68.0	51.71	37.75	0.73	4395	51.20	37.37	0.73	4435	50.64	36.97	0.73	4475	49.99	36.49	0.73	4511	49.49	36.13	0.73	4534	48.96	35.74	0.73	4683	48.28	35.24	0.73	4888	47.43	34.62	0.73	5215	46.31	33.81	0.73	5455
	27	80.6	22	71.6	52.59	32.08	0.61	4412	52.07	31.76	0.61	4452	51.50	31.41	0.61	4492	50.84	31.01	0.61	4528	50.34	30.70	0.61	4551	49.79	30.37	0.61	4700	49.10	29.95	0.61	4905	48.23	29.42	0.61	5232	47.10	28.73	0.61	5472
	27	80.6	24	75.2	53.32	26.13	0.49	4432	52.79	25.87	0.49	4472	52.22	25.59	0.49	4512	51.55	25.26	0.49	4548	51.04	25.01	0.49	4571	50.48	24.74	0.49	4720	49.79	24.40	0.49	4925	48.91	23.96	0.49	5252	47.76	23.40	0.49	5492
	27	80.6	26	78.8	54.18	20.05	0.37	4455	53.64	19.85	0.37	4495	53.06	19.63	0.37	4535	52.38	19.38	0.37	4571	51.86	19.19	0.37	4594	51.29	18.98	0.37	4743	50.58	18.72	0.37	4948	49.69	18.39	0.37	5275	48.53	17.95	0.37	5515
	28	82.4	18	64.4	50.67	45.10	0.89	4414	50.17	44.65	0.89	4454	49.63	44.17	0.89	4495	48.99	43.60	0.89	4531	48.50	43.17	0.89	4554	47.98	42.70	0.89	4705	47.31	42.11	0.89	4911	46.48	41.36	0.89	5242	45.39	40.40	0.89	5484
	28	82.4	20	68.0	51.71	39.81	0.77	4439	51.20	39.42	0.77	4479	50.64	38.99	0.77	4520	49.99	38.49	0.77	4556	49.49	38.11	0.77	4579	48.96	37.70	0.77	4730	48.28	37.18	0.77	4937	47.43	36.52	0.77	5268	46.31	35.66	0.77	5509
	28	82.4	22	71.6	52.22	33.95	0.65	4456	51.71	33.61	0.65	4497	51.14	33.24	0.65	4537	50.49	32.82	0.65	4574	49.99	32.49	0.65	4596	49.44	32.14	0.65	4747	48.76	31.70	0.65	4954	47.90	31.13	0.65	5285	46.78	30.41	0.65	5527
	28	82.4	24	75.2	53.11	28.15	0.53	4477	52.59	27.87	0.53	4517	52.01	27.57	0.53	4557	51.35	27.21	0.53	4594	50.84	26.94	0.53	4617	50.29	26.65	0.53	4767	49.59	26.28	0.53	4974	48.71	25.82	0.53	5305	47.57	25.21	0.53	5547
	28	82.4	26	78.8	53.86	22.08	0.41	4500	53.32	21.86	0.41	4540	52.74	21.62	0.41	4581	52.07	21.35	0.41	4617	51.55	21.14	0.41	4640	50.99	20.91	0.41	4791	50.29	20.62	0.41	4997	49.40	20.25	0.41	5328	48.24	19.78	0.41	5570
	29	84.2	18	64.4	51.18	46.57	0.91	4458	50.67	46.11	0.91	4499	50.12	45.61	0.91	4540	49.48	45.03	0.91	4576	48.99	44.58	0.91	4599	48.46	44.09	0.91	4752	47.79	43.49	0.91	4961	46.94	42.72	0.91	5295	45.84	41.72	0.91	5539
	29	84.2	20	68.0	52.22	42.30	0.81	4484	51.71	41.88	0.81	4524	51.14	41.43	0.81	4565	50.49	40.90	0.81	4602	49.99	40.49	0.81	4625	49.44	40.05	0.81	4777	48.76	39.50	0.81	4986	47.90	38.80	0.81	5320	46.78	37.89	0.81	5564
	29	84.2	22	71.6	53.27	36.76	0.69	4501	52.74	36.39	0.69	4542	52.17	36.00	0.69	4583	51.50	35.53	0.69	4619	50.99	35.18	0.69	4642	50.43	34.80	0.69	4795	49.74	34.32	0.69	5003	48.86	33.71	0.69	5338	47.71	32.92	0.69	5582
	29	84.2	24	75.2	53.64	30.58	0.57	4521	53.11	30.27	0.57	4562	52.53	29.94	0.57	4603	51.86	29.56	0.57	4640	51.35	29.27	0.57	4663	50.79	28.95	0.57	4815	50.09	28.55	0.57	5024	49.20	28.04	0.57	5358	48.05	27.39	0.57	5602
	29	84.2	26	78.8	54.39	24.48	0.45	4545	53.86	24.24	0.45	4585	53.27	23.97	0.45	4626	52.59	23.66	0.45	4663	52.07	23.43	0.45	4686	51.50	23.17	0.45	4839	50.79	22.85	0.45	5047	49.89	22.45	0.45	5382	48.72	21.92	0.45	5626
	30	86.0	18	64.4	51.69	47.04	0.91	4503	51.18	46.57	0.91	4544	50.62	46.07	0.91	4585	49.97	45.48	0.91	4622	49.48	45.03	0.91	4645	48.94	44.54	0.91	4799	48.26	43.92	0.91	5010	47.41	43.14	0.91	5348	46.30	42.13	0.91	5594
	30	86.0	20	68.0	52.75	44.83	0.85	4529	52.22	44.39	0.85	4570	51.66	43.91	0.85	4611	50.99	43.34	0.85	4648	50.49	42.92	0.85	4671	49.94	42.45	0.85	4825	49.25	41.86	0.85	5036	48.38	41.12	0.85	5374	47.25	40.16	0.85	5620
	30	86.0	22	71.6	53.80	39.28	0.73	4546	53.27	38.89	0.73	4587	52.69	38.46	0.73	4628	52.01	37.97	0.73	4665	51.50	37.59	0.73	4689	50.94	37.18	0.73	4843	50.23	36.67	0.73	5053	49.35	36.02	0.73	5391	48.19	35.18	0.73	5638
	30	86.0	24	75.2	54.18	33.05	0.61	4567	53.64	32.72	0.61	4608	53.06	32.37	0.61	4649	52.38	31.95	0.61	4686	51.86	31.63	0.61	4709	51.30	31.29	0.61	4863	50.59	30.86	0.61	5074	49.69	30.31	0.61	5412	48.53	29.60	0.61	5658
	30	86.0	26	78.8	54.94	26.92	0.49	4590	54.39	26.65	0.49	4631	53.80	26.36	0.49	4673	53.11	26.03	0.49	4710	52.59	25.77	0.49	4733	52.01	25.49	0.49	4887	51.30	25.14	0.49	5098	50.39	24.69	0.49	5435	49.21	24.11	0.49	5682
	31	87.8	18	64.4	52.21	47.51	0.91	4548	51.69	47.04	0.91	4589	51.13	46.53	0.91	4631	50.47	45.93	0.91	4668	49.97	45.48	0.91	4692	49.43	44.98	0.91	4847	48.75	44.36	0.91	5060	47.89	43.58	0.91	5401	46.76	42.55	0.91	5650
	31	87.8	20	68.0	53.27	47.41	0.89	4574	52.75	46.94	0.89	4615	52.17	46.43	0.89	4657	51.50	45.84	0.89	4694	50.99	45.38	0.89	4718	50.44	44.89	0.89	4873	49.74	44.27	0.89	5086	48.86	43.49	0.89	5427	47.72	42.47	0.89	5676
	31	87.8	22	71.6	54.34	41.84	0.77	4591	53.80	41.43	0.77	4633	53.22	40.98	0.77	4675	52.53	40.45	0.77	4712	52.01	40.05	0.77	4736	51.45	39.61	0.77	4891	50.74	39.07	0.77	5104	49.84	38.38	0.77	5445	48.67	37.48	0.77	5694
	31	87.8	24	75.2	54.72	35.57	0.65	4612	54.18	35.22	0.65	4654	53.59	34.83	0.65	4695	52.90	34.39	0.65	4733	52.38	34.05	0.65	4756	51.81	33.68	0.65	4912	51.09	33.21	0.65	5125	50.19	32.62	0.65	5466	49.01	31.86	0.65	5715
	31	87.8	26	78.8	55.49	29.41	0.53	4636	54.94	29.12	0.53	4678	54.34	28.80	0.53	4719	53.64	28.43	0.53	4757	53.11	28.15	0.53	4780	52.53	27.84	0.53	4936	51.81	27.46	0.53	5149	50.89	26.97	0.53	5490	49.70	26.34	0.53	5739
	32	89.6	18	64.4	52.73	47.99	0.91	4593	52.21	47.51	0.91	4635	51.64	46.99	0.91	4677	50.98	46.39	0.91	4715	50.47	45.93	0.91	4739	49.92	45.43	0.91	4896	49.23	44.80	0.91	5111	48.36	44.01	0.91	5455	47.23	42.98	0.91	5707
	32	89.6	20	68.0	53.81	48.96	0.91	4620	53.27	48.48	0.91	4661	52.69	47.95	0.91	4704	52.02	47.34	0.91	4741	51.50	46.87	0.91	4765	50.94	46.36	0.91	4922	50.24	45.72	0.91	5137	49.35	44.91	0.91	5482	48.19	43.86	0.91	5733
	32	89.6	22	71.6	54.88	44.46	0.81	4637	54.34	44.02	0.81	4679	53.75	43.54	0.81	4721	53.06	42.98	0.81	4759	52.53	42.55	0.81	4783	51.96	42.09	0.81	4940	51.24	41.51	0.81	5155	50.34	40.77	0.81	5499	49.16	39.82	0.81	5751
	32	89.6	24	75.2	55.27	38.14	0.69	4658	54.72	37.76	0.69	4700	54.13	37.35	0.69	4742	53.43	36.87	0.69	4780	52.90	36.50	0.69	4804	52.33	36.11	0.69	4961	51.60	35.61	0.69	5176	50.69	34.98	0.69	5520	49.50	34.16	0.69	5772
	32	89.6	26	78.8	56.04	31.94	0.57	4683	55.49	31.63	0.57	4724	54.88	31.28	0.57	4767	54.18	30.88	0.57	4804	53.64	30.58	0.57	4828	53.06	30.24	0.57	4985	52.33	29.83	0.57	5200	51.40	29.30	0.57	5545	50.20	28.61	0.57	5796

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
130%	21	69.8	18	64.4	37.48	22.86	0.61	5303	34.48	21.03	0.61	5569	34.13	20.82	0.61	5625	28.16	17.18	0.61	5839	27.32	16.66	0.61	5880	24.31	14.83	0.61	5998	23.34	14.24	0.61	6058	22.17	13.53	0.61	6179
	21	69.8	20	68.0	39.02	19.12	0.49	5327	35.90	17.59	0.49	5593	35.54	17.42	0.49	5648	29.32	14.37	0.49	5862	28.44	13.94	0.49	5903	25.31	12.40	0.49	6021	24.30	11.91	0.49	6081	23.09	11.31	0.49	6203
	22	71.6	18	64.4	38.64	25.11	0.65	5357	35.55	23.10	0.65	5625	35.19	22.87	0.65	5682	29.03	18.87	0.65	5898	28.16	18.30	0.65	5939	25.06	16.29	0.65	6058	24.06	15.64	0.65	6119	22.86	14.86	0.65	6241
	22	71.6	20	68.0	39.82	21.10	0.53	5381	36.63	19.42	0.53	5649	36.27	19.22	0.53	5705	29.92	15.86	0.53	5922	29.02	15.38	0.53	5963	25.83	13.69	0.53	6082	24.80	13.14	0.53	6143	23.56	12.49	0.53	6265
	22	71.6	22	71.6	40.50	16.60	0.41	5397	37.26	15.28	0.41	5665	36.88	15.12	0.41	5722	30.43	12.48	0.41	5938	29.52	12.10	0.41	5979	26.27	10.77	0.41	6098	25.22	10.34	0.41	6159	23.96	9.82	0.41	6281
	23	73.4	18	64.4	39.43	27.20	0.69	5411	36.27	25.03	0.69	5682	35.91	24.78	0.69	5739	29.62	20.44	0.69	5957	28.74	19.83	0.69	5999	25.57	17.65	0.69	6119	24.55	16.94	0.69	6181	23.32	16.09	0.69	6304
	23	73.4	20	68.0	40.63	23.16	0.57	5435	37.38	21.31	0.57	5706	37.01	21.09	0.57	5763	30.53	17.40	0.57	5981	29.62	16.88	0.57	6023	26.36	15.02	0.57	6143	25.30	14.42	0.57	6205	24.04	13.70	0.57	6328
	23	73.4	22	71.6	41.32	18.60	0.45	5451	38.02	17.11	0.45	5722	37.64	16.94	0.45	5779	31.05	13.97	0.45	5998	30.12	13.55	0.45	6040	26.81	12.06	0.45	6160	25.73	11.58	0.45	6221	24.45	11.00	0.45	6345
	24	75.2	18	64.4	40.23	29.37	0.73	5466	37.01	27.02	0.73	5739	36.64	26.75	0.73	5797	30.23	22.07	0.73	6018	29.32	21.41	0.73	6060	26.10	19.05	0.73	6181	25.05	18.29	0.73	6243	23.80	17.37	0.73	6368
	24	75.2	20	68.0	41.46	25.29	0.61	5490	38.14	23.27	0.61	5764	37.76	23.04	0.61	5821	31.15	19.00	0.61	6042	30.22	18.43	0.61	6084	26.90	16.41	0.61	6205	25.82	15.75	0.61	6267	24.53	14.96	0.61	6392
	24	75.2	22	71.6	42.17	20.66	0.49	5506	38.79	19.01	0.49	5780	38.41	18.82	0.49	5838	31.68	15.53	0.49	6058	30.73	15.06	0.49	6101	27.35	13.40	0.49	6222	26.26	12.87	0.49	6284	24.95	12.22	0.49	6409
	24	75.2	24	75.2	42.76	15.82	0.37	5526	39.34	14.55	0.37	5800	38.94	14.41	0.37	5857	32.13	11.89	0.37	6078	31.16	11.53	0.37	6120	27.74	10.26	0.37	6241	26.63	9.85	0.37	6303	25.30	9.36	0.37	6428
	25	77.0	18	64.4	41.47	31.94	0.77	5521	38.16	29.38	0.77	5797	37.77	29.09	0.77	5856	31.16	24.00	0.77	6078	30.23	23.28	0.77	6121	26.90	20.72	0.77	6244	25.83	19.89	0.77	6306	24.54	18.89	0.77	6432
	25	77.0	20	68.0	42.74	27.78	0.65	5545	39.32	25.56	0.65	5822	38.93	25.31	0.65	5880	32.12	20.88	0.65	6103	31.15	20.25	0.65	6146	27.73	18.02	0.65	6268	26.62	17.30	0.65	6331	25.29	16.44	0.65	6457
	25	77.0	22	71.6	43.47	23.04	0.53	5562	39.99	21.20	0.53	5839	39.59	20.98	0.53	5897	32.66	17.31	0.53	6120	31.68	16.79	0.53	6162	28.20	14.95	0.53	6285	27.07	14.35	0.53	6347	25.72	13.63	0.53	6474
	25	77.0	24	75.2	44.08	18.07	0.41	5582	40.55	16.63	0.41	5858	40.15	16.46	0.41	5916	33.12	13.58	0.41	6139	32.13	13.17	0.41	6182	28.59	11.72	0.41	6304	27.45	11.25	0.41	6367	26.08	10.69	0.41	6493
	26	78.8	18	64.4	42.76	34.63	0.81	5577	39.34	31.86	0.81	5856	38.94	31.54	0.81	5915	32.13	26.02	0.81	6140	31.16	25.24	0.81	6183	27.74	22.47	0.81	6307	26.63	21.57	0.81	6370	25.30	20.49	0.81	6497
	26	78.8	20	68.0	44.07	30.41	0.69	5601	40.54	27.97	0.69	5881	40.14	27.69	0.69	5939	33.11	22.85	0.69	6165	32.12	22.16	0.69	6208	28.59	19.72	0.69	6331	27.44	18.93	0.69	6395	26.07	17.99	0.69	6522
	26	78.8	22	71.6	44.82	25.54	0.57	5618	41.23	23.50	0.57	5898	40.82	23.27	0.57	5956	33.67	19.19	0.57	6181	32.66	18.62	0.57	6224	29.07	16.57	0.57	6348	27.91	15.91	0.57	6411	26.51	15.11	0.57	6539
	26	78.8	24	75.2	45.44	20.45	0.45	5638	41.81	18.81	0.45	5917	41.39	18.63	0.45	5976	34.15	15.37	0.45	6201	33.12	14.90	0.45	6244	29.48	13.27	0.45	6368	28.30	12.73	0.45	6431	26.88	12.10	0.45	6559
	26	78.8	26	78.8	46.17	15.24	0.33	5661	42.48	14.02	0.33	5940	42.05	13.88	0.33	5999	34.69	11.45	0.33	6224	33.65	11.10	0.33	6267	29.95	9.88	0.33	6391	28.75	9.49	0.33	6454	27.31	9.01	0.33	6582
	27	80.6	18	64.4	43.63	37.09	0.85	5633	40.14	34.12	0.85	5915	39.74	33.78	0.85	5974	32.78	27.87	0.85	6202	31.80	27.03	0.85	6245	28.30	24.06	0.85	6370	27.17	23.09	0.85	6434	25.81	21.94	0.85	6563
	27	80.6	19	66.2	44.52	35.17	0.79	5643	40.96	32.36	0.79	5925	40.55	32.03	0.79	5984	33.45	26.43	0.79	6212	32.45	25.63	0.79	6255	28.88	22.82	0.79	6380	27.72	21.90	0.79	6444	26.34	20.81	0.79	6573
	27	80.6	20	68.0	44.97	32.82	0.73	5658	41.37	30.20	0.73	5940	40.95	29.90	0.73	5999	33.79	24.66	0.73	6227	32.77	23.92	0.73	6270	29.17	21.29	0.73	6395	28.00	20.44	0.73	6459	26.60	19.42	0.73	6588
	27	80.6	22	71.6	45.73	27.90	0.61	5675	42.07	25.66	0.61	5957	41.65	25.41	0.61	6016	34.36	20.96	0.61	6244	33.33	20.33	0.61	6287	29.66	18.10	0.61	6412	28.48	17.37	0.61	6476	27.05	16.50	0.61	6605
	27	80.6	24	75.2	46.37	22.72	0.49	5695	42.66	20.90	0.49	5977	42.23	20.69	0.49	6036	34.84	17.07	0.49	6264	33.80	16.56	0.49	6307	30.08	14.74	0.49	6432	28.88	14.15	0.49	6496	27.43	13.44	0.49	6625
	27	80.6	26	78.8	47.11	17.43	0.37	5718	43.34	16.04	0.37	6000	42.91	15.88	0.37	6059	35.40	13.10	0.37	6287	34.34	12.71	0.37	6330	30.56	11.31	0.37	6455	29.34	10.86	0.37	6519	27.87	10.31	0.37	6648
	28	82.4	18	64.4	44.07	39.22	0.89	5689	40.54	36.08	0.89	5974	40.14	35.72	0.89	6034	33.11	29.47	0.89	6264	32.12	28.59	0.89	6308	28.59	25.44	0.89	6434	27.44	24.42	0.89	6499	26.07	23.20	0.89	6629
	28	82.4	20	68.0	44.97	34.62	0.77	5715	41.37	31.85	0.77	6000	40.95	31.53	0.77	6059	33.79	26.02	0.77	6289	32.77	25.24	0.77	6333	29.17	22.46	0.77	6459	28.00	21.56	0.77	6524	26.60	20.48	0.77	6654
	28	82.4	22	71.6	45.41	29.52	0.65	5732	41.78	27.16	0.65	6017	41.36	26.89	0.65	6077	34.13	22.18	0.65	6306	33.10	21.52	0.65	6350	29.46	19.15	0.65	6477	28.28	18.38	0.65	6541	26.87	17.46	0.65	6671
	28	82.4	24	75.2	46.19	24.48	0.53	5752	42.49	22.52	0.53	6037	42.07	22.30	0.53	6097	34.71	18.39	0.53	6326	33.66	17.84	0.53	6370	29.96	15.88	0.53	6497	28.76	15.24	0.53	6561	27.32	14.48	0.53	6691
	28	82.4	26	78.8	46.83	19.20	0.41	5775	43.09	17.67	0.41	6060	42.66	17.49	0.41	6120	35.19	14.43	0.41	6350	34.14	14.00	0.41	6394	30.38	12.46	0.41	6520	29.17	11.96	0.41	6584	27.71	11.36	0.41	6715
	29	84.2	18	64.4	44.51	40.50	0.91	5746	40.95	37.26	0.91	6034	40.54	36.89	0.91	6094	33.44	30.43	0.91	6326	32.44	29.52	0.91	6371	28.87	26.27	0.91	6498	27.72	25.22	0.91	6564	26.33	23.96	0.91	6695
	29	84.2	20	68.0	45.41	36.79	0.81	5772	41.78	33.84	0.81	6060	41.36	33.50	0.81	6120	34.13	27.64	0.81	6352	33.10	26.81	0.81	6396	29.46	23.86	0.81	6524	28.28	22.91	0.81	6589	26.87	21.76	0.81	6721
	29	84.2	22	71.6	46.32	31.96	0.69	5789	42.62	29.41	0.69	6077	42.19	29.11	0.69	6137	34.81	24.02	0.69	6369	33.76	23.30	0.69	6414	30.05	20.73	0.69	6541	28.85	19.90	0.69	6606	27.41	18.91	0.69	6738
	29	84.2	24	75.2	46.65	26.59	0.57	5809	42.92	24.46	0.57	6097	42.49	24.22	0.57	6158	35.05	19.98	0.57	6390	34.00	19.38	0.57	6434	30.26	17.25	0.57	6562	29.05	16.56	0.57	6627	27.60	15.73	0.57	6758
	29	84.2	26	78.8	47.30	21.29	0.45	5833	43.52	19.58	0.45	6121	43.08	19.39	0.45	6181	35.54	15.99	0.45	6413	34.48	15.51	0.45	6458	30.68	13.81	0.45	6585	29.46	13.26	0.45	6650	27.98	12.59	0.45	6782
	30	86.0	18	64.4	44.95	40.91	0.91	5804	41.36	37.63	0.91	6094	40.94	37.26	0.91	6155	33.78	30.74	0.91	6390	32.76	29.82	0.91	6435	29.16	26.54	0.91	6563	27.99	25.47	0.91	6629	26.59	24.20	0.91	6762
	30	86.0	20	68.0	45.87	38.99	0.85	5829	42.20	35.87	0.85	6120	41.78	35.51	0.85	6181	34.47	29.30	0.85	6415	33.43	28.42	0.85	6460	29.75	25.29	0.85	6589	28.56	24.28	0.85	6655	27.14	23.07	0.85	6788
	30	86.0	22	71.6	46.79	34.15	0.73	5847	43.04	31.42	0.73	6138	42.61	31.11	0.73	6199	35.16	25.66	0.73	6433	34.10	24.89	0.73	6478	30.35	22.16	0.73	6607	29.14	21.27	0.73	6672	27.68	20.21	0.73	6805
	30	86.0	24	75.2	47.12	28.74	0.61	5868	43.35	26.44	0.61	6158	42.91	26.18	0.61	6219	35.40	21.60	0.61	6454	34.34	20.95	0.61	6498	30.56	18.64	0.61	6627	29.34	17.90	0.61	6693	27.87	17.00	0.61	6826
	30	86.0	26	78.8	47.77	23.41	0.49	5891	43.95	21.54	0.49	6182	43.51	21.32	0.49	6243	35.90	17.59	0.49	6477	34.82	17.06	0.49	6522	30.99	15.19	0.49	6651	29.75	14.58	0.49	6717	28.26	13.85	0.49	6850
	31	87.8	18	64.4	45.40	41.32	0.91	5862	41.77	38.01	0.91	6155	41.35	37.63	0.91	6217	34.11	31.04	0.91	6454	33.09	30.11	0.91	6499	29.45	26.80	0.91	6629	28.27	25.73	0.91	6695	26.86	24.44	0.91	6830
	31	87.8	20	68.0	46.33	41.23	0.89	5888	42.62	37.93	0.89	6181	42.20	37.55	0.89	6243	34.81	30.98	0.89	6480	33.77	30.05	0.89	6525	30.05	26.75	0.89	6655	28.85	25.68	0.89	6721	27.41	24.39	0.89	6856
	31	87.8	22	71.6	47.25	36.39	0.77	5905	43.47	33.47	0.77	6199	43.04	33.14	0.77	6261	35.51	27.34	0.77	6497	34.44	26.52	0.77	6543	30.65	23.60	0.77	6673	29.43	22.66	0.77	6739	27.96	21.53	0.77	6873
	31	87.8	24	75.2	47.59	30.93	0.65	5926	43.78	28.46	0.65	6220	43.34	28.17	0.65	6282	35.76	23.24	0.65	6518	34.68	22.54	0.65	6563	30.87	20.06	0.65	6694	29.63	19.26	0.65	6760	28.15	18.30	0.65	6894
	31	87.8	26	78.8	48.25	25.57	0.53	5950	44.39	23.53	0.53	6244	43.95	23.29	0.53	6305	36.26	19.22	0.53	6542	35.17	18.64	0.53	6587	31.30	16.59	0.53	6718	30.05	15.93	0.53	6784	28.55	15.13	0.53	6918
	32	89.6	18	64.4	45.86	41.73	0.91	5920	42.19	38.39	0.91	6217	41.76	38.01	0.91	6279	34.46	31.35	0.91	6518	33.42	30.41	0.91	6564	29.75	27.07	0.91	6695	28.56	25.99	0.91	6762	27.13	24.69	0.91	6898
	32	89.6	20	68.0	46.79	42.58	0.91	5947	43.05	39.17	0.91	6243	42.62	38.78	0.91	6305	35.16	31.99	0.91	6544	34.10	31.04	0.91	6590	30.35	27.62	0.91	6722	29.14	26.52	0.91	6789	27.68	25.19	0.91	6924
	32	89.6	22	71.6	47.73	38.66	0.81	5964	43.91	35.57	0.81	6261	43.47	35.21	0.81	6323	35.86	29.05	0.81	6562	34.79	28.18	0.81	6608	30.96	25.08	0.81	6739	29.72	24.07	0.81	6807	28.24	22.87	0.81	6942
	32	89.6	24	75.2	48.06	33.16	0.69	5986	44.22	30.51	0.69	6282	43.78	30.20	0.69	6344	36.11	24.92	0.69	6583	35.03	24.17	0.69	6629	31.18	21.51	0.69	6761	29.93	20.65	0.69	6828	28.43	19.62	0.69	6963
	32	89.6	26	78.8	48.74	27.78	0.57	6010	44.84	25.56	0.57	6306	44.39	25.30	0.57	6368	36.62	20.87	0.57	6607	35.52	20.25	0.57	6653	31.61	18.02	0.57	6785	30.35	17.30	0.57	6852	28.83	16.43	0.57	6987

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
120%	21	69.8	18	64.4	42,69	26.04	0.61	4075	42.27	25.78	0.61	4112	41.81	25.50	0.61	4150	41.27	25.18	0.61	4183	40.86	24.93	0.61	4204	40.42	24.66	0.61	4344	39.86	24.31	0.61	4534	39.16	23.88	0.61	4840	38.24	23.33	0.61	5063
	21	69.8	20	68.0	44.45	21.78	0.49	4099	44.01	21.57	0.49	4136	43.53	21.33	0.49	4173	42.97	21.06	0.49	4207	42.55	20.85	0.49	4228	42.09	20.62	0.49	4367	41.50	20.34	0.49	4558	40.77	19.98	0.49	4863	39.81	19.51	0.49	5087
	22	71.6	18	64.4	44.01	28.61	0.65	4116	43.58	28.32	0.65	4154	43.10	28.02	0.65	4192	42.55	27.66	0.65	4225	42.13	27.38	0.65	4247	41.67	27.08	0.65	4387	41.09	26.71	0.65	4580	40.37	26.24	0.65	4889	39.42	25.62	0.65	5114
	22	71.6	20	68.0	45.36	24.04	0.53	4140	44.91	23.80	0.53	4178	44.42	23.54	0.53	4215	43.85	23.24	0.53	4249	43.42	23.01	0.53	4270	42.94	22.76	0.53	4411	42.35	22.45	0.53	4604	41.60	22.05	0.53	4913	40.63	21.53	0.53	5138
	22	71.6	22	71.6	46.13	18.91	0.41	4156	45.67	18.73	0.41	4194	45.18	18.52	0.41	4232	44.60	18.28	0.41	4265	44.15	18.10	0.41	4287	43.67	17.91	0.41	4427	43.07	17.66	0.41	4620	42.31	17.35	0.41	4929	41.32	16.94	0.41	5154
	23	73.4	18	64.4	44.91	30.99	0.69	4158	44.46	30.68	0.69	4196	43.98	30.35	0.69	4234	43.42	29.96	0.69	4268	42.99	29.66	0.69	4290	42.52	29.34	0.69	4432	41.93	28.93	0.69	4626	41.19	28.42	0.69	4938	40.23	27.76	0.69	5166
	23	73.4	20	68.0	46.28	26.38	0.57	4182	45.83	26.12	0.57	4220	45.33	25.84	0.57	4258	44.75	25.51	0.57	4292	44.30	25.25	0.57	4314	43.82	24.98	0.57	4456	43.22	24.63	0.57	4650	42.45	24.20	0.57	4962	41.46	23.63	0.57	5190
	23	73.4	22	71.6	47.07	21.18	0.45	4198	46.61	20.97	0.45	4236	46.10	20.74	0.45	4274	45.51	20.48	0.45	4308	45.06	20.28	0.45	4330	44.57	20.05	0.45	4472	43.95	19.78	0.45	4667	43.17	19.43	0.45	4979	42.16	18.97	0.45	5206
	24	75.2	18	64.4	45.83	33.45	0.73	4200	45.37	33.12	0.73	4238	44.88	32.76	0.73	4277	44.30	32.34	0.73	4311	43.86	32.02	0.73	4333	43.39	31.67	0.73	4477	42.79	31.24	0.73	4673	42.03	30.68	0.73	4988	41.05	29.96	0.73	5218
	24	75.2	20	68.0	47.23	28.81	0.61	4224	46.76	28.52	0.61	4262	46.25	28.21	0.61	4301	45.66	27.85	0.61	4335	45.21	27.58	0.61	4357	44.71	27.28	0.61	4501	44.10	26.90	0.61	4697	43.32	26.42	0.61	5012	42.30	25.80	0.61	5242
	24	75.2	22	71.6	48.03	23.54	0.49	4241	47.56	23.30	0.49	4279	47.04	23.05	0.49	4317	46.44	22.75	0.49	4352	45.98	22.53	0.49	4374	45.48	22.28	0.49	4517	44.85	21.98	0.49	4714	44.05	21.59	0.49	5029	43.02	21.08	0.49	5259
	24	75.2	24	75.2	48.70	18.02	0.37	4260	48.22	17.84	0.37	4298	47.70	17.65	0.37	4337	47.09	17.42	0.37	4371	46.62	17.25	0.37	4393	46.11	17.06	0.37	4537	45.48	16.83	0.37	4733	44.67	16.53	0.37	5048	43.62	16.14	0.37	5278
	25	77.0	18	64.4	47.24	36.38	0.77	4242	46.78	36.02	0.77	4281	46.27	35.63	0.77	4320	45.67	35.17	0.77	4355	45.22	34.82	0.77	4377	44.73	34.44	0.77	4522	44.11	33.97	0.77	4720	43.33	33.36	0.77	5038	42.32	32.58	0.77	5271
	25	77.0	20	68.0	48.69	31.65	0.65	4267	48.21	31.33	0.65	4305	47.68	30.99	0.65	4344	47.07	30.60	0.65	4379	46.60	30.29	0.65	4401	46.10	29.96	0.65	4546	45.46	29.55	0.65	4745	44.66	29.03	0.65	5063	43.61	28.35	0.65	5295
	25	77.0	22	71.6	49.52	26.24	0.53	4283	49.03	25.98	0.53	4322	48.49	25.70	0.53	4361	47.87	25.37	0.53	4396	47.40	25.12	0.53	4418	46.88	24.85	0.53	4563	46.23	24.50	0.53	4762	45.42	24.07	0.53	5080	44.35	23.51	0.53	5312
	25	77.0	24	75.2	50.21	20.59	0.41	4303	49.71	20.38	0.41	4342	49.17	20.16	0.41	4381	48.54	19.90	0.41	4416	48.06	19.70	0.41	4437	47.54	19.49	0.41	4582	46.88	19.22	0.41	4781	46.05	18.88	0.41	5099	44.97	18.44	0.41	5332
	26	78.8	18	64.4	48.70	39.45	0.81	4285	48.22	39.06	0.81	4324	47.70	38.63	0.81	4364	47.09	38.14	0.81	4399	46.62	37.76	0.81	4421	46.11	37.35	0.81	4567	45.48	36.84	0.81	4768	44.67	36.18	0.81	5089	43.62	35.34	0.81	5324
	26	78.8	20	68.0	50.20	34.63	0.69	4310	49.70	34.29	0.69	4349	49.16	33.92	0.69	4388	48.53	33.48	0.69	4424	48.05	33.15	0.69	4446	47.52	32.79	0.69	4592	46.87	32.34	0.69	4793	46.04	31.77	0.69	5114	44.96	31.02	0.69	5349
	26	78.8	22	71.6	51.05	29.10	0.57	4327	50.54	28.81	0.57	4366	49.99	28.50	0.57	4405	49.35	28.13	0.57	4440	48.86	27.85	0.57	4463	48.33	27.55	0.57	4609	47.66	27.17	0.57	4810	46.82	26.69	0.57	5131	45.72	26.06	0.57	5366
	26	78.8	24	75.2	51.76	23.29	0.45	4347	51.25	23.06	0.45	4386	50.69	22.81	0.45	4425	50.04	22.52	0.45	4460	49.55	22.30	0.45	4482	49.01	22.05	0.45	4629	48.33	21.75	0.45	4829	47.48	21.36	0.45	5151	46.36	20.86	0.45	5385
	26	78.8	26	78.8	52.59	17.36	0.33	4369	52.07	17.18	0.33	4408	51.50	17.00	0.33	4448	50.84	16.78	0.33	4483	50.34	16.61	0.33	4505	49.79	16.43	0.33	4652	49.10	16.20	0.33	4852	48.24	15.92	0.33	5173	47.11	15.54	0.33	5408
	27	80.6	18	64.4	49.70	42.24	0.85	4328	49.21	41.83	0.85	4368	48.67	41.37	0.85	4408	48.05	40.84	0.85	4443	47.57	40.44	0.85	4466	47.05	40.00	0.85	4614	46.40	39.44	0.85	4816	45.58	38.75	0.85	5141	44.51	37.84	0.85	5378
	27	80.6	19	66.2	50.71	40.06	0.79	4338	50.21	39.67	0.79	4378	49.66	39.23	0.79	4418	49.03	38.73	0.79	4453	48.54	38.35	0.79	4476	48.01	37.93	0.79	4624	47.35	37.41	0.79	4826	46.51	36.75	0.79	5151	45.42	35.88	0.79	5388
	27	80.6	20	68.0	51.22	37.39	0.73	4353	50.71	37.02	0.73	4393	50.16	36.62	0.73	4433	49.52	36.15	0.73	4468	49.03	35.79	0.73	4491	48.49	35.40	0.73	4639	47.82	34.91	0.73	4841	46.98	34.29	0.73	5166	45.88	33.49	0.73	5403
	27	80.6	22	71.6	52.09	31.78	0.61	4370	51.57	31.46	0.61	4410	51.01	31.12	0.61	4450	50.36	30.72	0.61	4485	49.86	30.41	0.61	4508	49.32	30.08	0.61	4656	48.64	29.67	0.61	4858	47.78	29.14	0.61	5183	46.66	28.46	0.61	5420
	27	80.6	24	75.2	52.82	25.88	0.49	4390	52.30	25.63	0.49	4430	51.73	25.35	0.49	4470	51.06	25.02	0.49	4505	50.56	24.77	0.49	4528	50.01	24.50	0.49	4676	49.32	24.17	0.49	4878	48.45	23.74	0.49	5203	47.31	23.18	0.49	5440
	27	80.6	26	78.8	53.66	19.86	0.37	4413	53.13	19.66	0.37	4453	52.56	19.45	0.37	4493	51.88	19.20	0.37	4528	51.37	19.01	0.37	4551	50.81	18.80	0.37	4699	50.11	18.54	0.37	4901	49.22	18.21	0.37	5226	48.07	17.78	0.37	5463
	28	82.4	18	64.4	50.20	44.67	0.89	4372	49.70	44.23	0.89	4411	49.16	43.75	0.89	4452	48.53	43.19	0.89	4488	48.05	42.76	0.89	4510	47.52	42.30	0.89	4660	46.87	41.71	0.89	4864	46.04	40.97	0.89	5192	44.96	40.01	0.89	5432
	28	82.4	20	68.0	51.22	39.44	0.77	4397	50.71	39.05	0.77	4437	50.16	38.62	0.77	4477	49.52	38.13	0.77	4513	49.03	37.75	0.77	4535	48.49	37.34	0.77	4685	47.82	36.82	0.77	4890	46.98	36.17	0.77	5217	45.88	35.33	0.77	5457
	28	82.4	22	71.6	51.73	33.63	0.65	4414	51.22	33.29	0.65	4454	50.66	32.93	0.65	4494	50.01	32.51	0.65	4530	49.52	32.19	0.65	4553	48.98	31.84	0.65	4702	48.30	31.40	0.65	4907	47.45	30.84	0.65	5235	46.34	30.12	0.65	5474
	28	82.4	24	75.2	52.61	27.88	0.53	4434	52.09	27.61	0.53	4474	51.52	27.31	0.53	4514	50.86	26.96	0.53	4550	50.36	26.69	0.53	4573	49.81	26.40	0.53	4722	49.12	26.04	0.53	4927	48.25	25.57	0.53	5255	47.12	24.98	0.53	5494
	28	82.4	26	78.8	53.35	21.87	0.41	4458	52.82	21.66	0.41	4497	52.25	21.42	0.41	4538	51.57	21.15	0.41	4573	51.06	20.94	0.41	4596	50.51	20.71	0.41	4746	49.81	20.42	0.41	4950	48.93	20.06	0.41	5278	47.78	19.59	0.41	5517
	29	84.2	18	64.4	50.70	46.13	0.91	4415	50.20	45.68	0.91	4456	49.65	45.18	0.91	4496	49.01	44.60	0.91	4533	48.53	44.16	0.91	4555	48.00	43.68	0.91	4706	47.34	43.08	0.91	4913	46.50	42.31	0.91	5244	45.41	41.32	0.91	5486
	29	84.2	20	68.0	51.73	41.90	0.81	4441	51.22	41.49	0.81	4481	50.66	41.04	0.81	4522	50.01	40.51	0.81	4558	49.52	40.11	0.81	4581	48.98	39.67	0.81	4732	48.30	39.12	0.81	4939	47.45	38.43	0.81	5270	46.34	37.53	0.81	5511
	29	84.2	22	71.6	52.77	36.41	0.69	4458	52.24	36.05	0.69	4498	51.68	35.66	0.69	4539	51.01	35.20	0.69	4575	50.51	34.85	0.69	4598	49.96	34.47	0.69	4749	49.27	34.00	0.69	4956	48.40	33.39	0.69	5287	47.26	32.61	0.69	5529
	29	84.2	24	75.2	53.14	30.29	0.57	4479	52.61	29.99	0.57	4519	52.04	29.66	0.57	4559	51.37	29.28	0.57	4596	50.86	28.99	0.57	4619	50.31	28.68	0.57	4770	49.61	28.28	0.57	4976	48.74	27.78	0.57	5307	47.59	27.13	0.57	5549
	29	84.2	26	78.8	53.88	24.25	0.45	4502	53.35	24.01	0.45	4542	52.77	23.75	0.45	4583	52.09	23.44	0.45	4619	51.57	23.21	0.45	4642	51.01	22.96	0.45	4793	50.31	22.64	0.45	5000	49.42	22.24	0.45	5331	48.26	21.72	0.45	5573
	30	86.0	18	64.4	51.20	46.60	0.91	4460	50.70	46.13	0.91	4500	50.15	45.63	0.91	4541	49.50	45.05	0.91	4578	49.01	44.60	0.91	4601	48.48	44.12	0.91	4753	47.81	43.51	0.91	4962	46.96	42.74	0.91	5297	45.86	41.74	0.91	5541
	30	86.0	20	68.0	52.25	44.41	0.85	4485	51.73	43.97	0.85	4526	51.17	43.49	0.85	4567	50.51	42.94	0.85	4604	50.01	42.51	0.85	4627	49.47	42.05	0.85	4779	48.79	41.47	0.85	4988	47.92	40.73	0.85	5322	46.80	39.78	0.85	5567
	30	86.0	22	71.6	53.29	38.90	0.73	4503	52.77	38.52	0.73	4543	52.19	38.10	0.73	4584	51.52	37.61	0.73	4621	51.01	37.24	0.73	4644	50.46	36.83	0.73	4797	49.76	36.33	0.73	5005	48.88	35.68	0.73	5340	47.74	34.85	0.73	5584
	30	86.0	24	75.2	53.67	32.74	0.61	4523	53.14	32.41	0.61	4564	52.56	32.06	0.61	4605	51.88	31.65	0.61	4642	51.37	31.34	0.61	4665	50.81	31.00	0.61	4817	50.11	30.57	0.61	5026	49.22	30.03	0.61	5360	48.07	29.32	0.61	5605
	30	86.0	26	78.8	54.42	26.67	0.49	4547	53.88	26.40	0.49	4588	53.30	26.11	0.49	4629	52.61	25.78	0.49	4665	52.09	25.52	0.49	4688	51.52	25.25	0.49	4841	50.81	24.90	0.49	5050	49.91	24.46	0.49	5384	48.74	23.88	0.49	5628
	31	87.8	18	64.4	51.72	47.06	0.91	4504	51.20	46.60	0.91	4545	50.65	46.09	0.91	4587	50.00	45.50	0.91	4624	49.50	45.05	0.91	4647	48.96	44.56	0.91	4801	48.29	43.94	0.91	5012	47.43	43.16	0.91	5349	46.32	42.15	0.91	5596
	31	87.8	20	68.0	52.77	46.97	0.89	4530	52.25	46.50	0.89	4571	51.68	46.00	0.89	4613	51.02	45.41	0.89	4650	50.51	44.96	0.89	4673	49.96	44.47	0.89	4827	49.27	43.85	0.89	5038	48.40	43.08	0.89	5375	47.27	42.07	0.89	5622
	31	87.8	22	71.6	53.83	41.45	0.77	4548	53.29	41.04	0.77	4589	52.71	40.59	0.77	4630	52.04	40.07	0.77	4667	51.52	39.67	0.77	4691	50.96	39.24	0.77	4845	50.26	38.70	0.77	5056	49.37	38.01	0.77	5393	48.21	37.12	0.77	5640
	31	87.8	24	75.2	54.21	35.23	0.65	4569	53.67	34.88	0.65	4610	53.08	34.51	0.65	4651	52.40	34.06	0.65	4688	51.88	33.73	0.65	4711	51.32	33.36	0.65	4865	50.61	32.90	0.65	5076	49.72	32.32	0.65	5414	48.55	31.56	0.65	5661
	31	87.8	26	78.8	54.96	29.13	0.53	4593	54.42	28.84	0.53	4634	53.83	28.53	0.53	4675	53.14	28.16	0.53	4712	52.61	27.88	0.53	4735	52.04	27.58	0.53	4889	51.32	27.20	0.53	5100	50.41	26.72	0.53	5438	49.23	26.09	0.53	5685
	32	89.6	18	64.4	52.23	47.53	0.91	4549	51.72	47.06	0.91	4591	51.15	46.55	0.91	4632	50.50	45.95	0.91	4670	50.00	45.50	0.91	4693	49.45	45.00	0.91	4849	48.77	44.38	0.91	5062	47.91	43.60	0.91	5403	46.79	42.57	0.91	5652
	32	89.6	20	68.0	53.30	48.50	0.91	4575	52.77	48.02	0.91	4617	52.20	47.50	0.91	4659	51.53	46.89	0.91	4696	51.02	46.43	0.91	4720	50.46	45.92	0.91	4875	49.77	45.29	0.91	5088	48.89	44.49	0.91	5429	47.74	43.44	0.91	5678
	32	89.6	22	71.6	54.37	44.04	0.81	4593	53.83	43.60	0.81	4635	53.24	43.13	0.81	4677	52.56	42.57	0.81	4714	52.04	42.15	0.81	4738	51.47	41.69	0.81	4893	50.76	41.12	0.81	5106	49.86	40.39	0.81	5447	48.69	39.44	0.81	5696
	32	89.6	24	75.2	54.75	37.78	0.69	4614	54.21	37.40	0.69	4656	53.62	36.99	0.69	4698	52.93	36.52	0.69	4735	52.40	36.16	0.69	4759	51.83	35.77	0.69	4914	51.12	35.27	0.69	5127	50.21	34.65	0.69	5468	49.04	33.84	0.69	5717
	32	89.6	26	78.8	55.51	31.64	0.57	4639	54.96	31.33	0.57	4680	54.37	30.99	0.57	4722	53.67	30.59	0.57	4759	53.14	30.29	0.57	4783	52.56	29.96	0.57	4938	51.83	29.55	0.57	5151	50.92	29.02	0.57	5492	49.72	28.34	0.57	5741

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																									
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
120%	21	69.8	18	64.4	37.12	22.65	0.61	5253	34.15	20.83	0.61	5516	33.81	20.63	0.61	5571	27.90	17.02	0.61	5783	27.06	16.51	0.61	5823	24.08	14.69	0.61	5940	23.12	14.10	0.61	6000	21.96	13.40	0.61	6120
	21	69.8	20	68.0	38.66	18.94	0.49	5276	35.56	17.43	0.49	5539	35.21	17.25	0.49	5594	29.05	14.23	0.49	5806	28.17	13.81	0.49	5847	25.08	12.29	0.49	5964	24.07	11.80	0.49	6023	22.87	11.21	0.49	6143
	22	71.6	18	64.4	38.27	24.88	0.65	5306	35.21	22.89	0.65	5571	34.86	22.66	0.65	5627	28.76	18.69	0.65	5841	27.90	18.13	0.65	5882	24.83	16.14	0.65	6000	23.83	15.49	0.65	6060	22.64	14.72	0.65	6182
	22	71.6	20	68.0	39.44	20.91	0.53	5329	36.29	19.23	0.53	5595	35.93	19.04	0.53	5651	29.64	15.71	0.53	5865	28.75	15.24	0.53	5906	25.59	13.56	0.53	6024	24.56	13.02	0.53	6084	23.34	12.37	0.53	6205
	22	71.6	22	71.6	40.11	16.45	0.41	5346	36.91	15.13	0.41	5611	36.54	14.98	0.41	5667	30.14	12.36	0.41	5881	29.24	11.99	0.41	5922	26.02	10.67	0.41	6040	24.98	10.24	0.41	6100	23.73	9.73	0.41	6222
	23	73.4	18	64.4	39.05	26.95	0.69	5359	35.93	24.79	0.69	5628	35.57	24.54	0.69	5684	29.35	20.25	0.69	5900	28.46	19.64	0.69	5942	25.33	17.48	0.69	6061	24.32	16.78	0.69	6121	23.10	15.94	0.69	6244
	23	73.4	20	68.0	40.25	22.94	0.57	5383	37.03	21.11	0.57	5652	36.66	20.90	0.57	5708	30.24	17.24	0.57	5924	29.34	16.72	0.57	5966	26.11	14.88	0.57	6085	25.06	14.29	0.57	6145	23.81	13.57	0.57	6268
	23	73.4	22	71.6	40.93	18.42	0.45	5400	37.66	16.95	0.45	5668	37.28	16.78	0.45	5724	30.76	13.84	0.45	5941	29.83	13.43	0.45	5982	26.55	11.95	0.45	6101	25.49	11.47	0.45	6162	24.22	10.90	0.45	6284
	24	75.2	18	64.4	39.85	29.09	0.73	5413	36.66	26.76	0.73	5684	36.30	26.50	0.73	5741	29.94	21.86	0.73	5960	29.05	21.20	0.73	6002	25.85	18.87	0.73	6122	24.82	18.12	0.73	6183	23.58	17.21	0.73	6307
	24	75.2	20	68.0	41.07	25.05	0.61	5438	37.78	23.05	0.61	5709	37.41	22.82	0.61	5766	30.86	18.83	0.61	5984	29.93	18.26	0.61	6026	26.64	16.25	0.61	6146	25.58	15.60	0.61	6208	24.30	14.82	0.61	6331
	24	75.2	22	71.6	41.77	20.47	0.49	5454	38.43	18.83	0.49	5725	38.04	18.64	0.49	5782	31.39	15.38	0.49	6001	30.44	14.92	0.49	6042	27.10	13.28	0.49	6163	26.01	12.75	0.49	6224	24.71	12.11	0.49	6348
	24	75.2	24	75.2	42.35	15.67	0.37	5473	38.97	14.42	0.37	5745	38.58	14.27	0.37	5802	31.82	11.78	0.37	6020	30.87	11.42	0.37	6062	27.47	10.17	0.37	6182	26.38	9.76	0.37	6243	25.06	9.27	0.37	6367
	25	77.0	18	64.4	41.08	31.63	0.77	5468	37.80	29.10	0.77	5742	37.42	28.81	0.77	5799	30.87	23.77	0.77	6020	29.94	23.06	0.77	6062	26.65	20.52	0.77	6184	25.58	19.70	0.77	6246	24.31	18.71	0.77	6371
	25	77.0	20	68.0	42.34	27.52	0.65	5492	38.95	25.32	0.65	5766	38.56	25.07	0.65	5824	31.82	20.68	0.65	6045	30.86	20.06	0.65	6087	27.47	17.85	0.65	6208	26.37	17.14	0.65	6270	25.05	16.28	0.65	6395
	25	77.0	22	71.6	43.06	22.82	0.53	5509	39.62	21.00	0.53	5783	39.22	20.79	0.53	5841	32.36	17.15	0.53	6061	31.39	16.63	0.53	6104	27.93	14.80	0.53	6225	26.82	14.21	0.53	6287	25.47	13.50	0.53	6412
	25	77.0	24	75.2	43.66	17.90	0.41	5529	40.17	16.47	0.41	5803	39.77	16.31	0.41	5860	32.81	13.45	0.41	6081	31.82	13.05	0.41	6123	28.32	11.61	0.41	6245	27.19	11.15	0.41	6306	25.83	10.59	0.41	6432
	26	78.8	18	64.4	42.35	34.31	0.81	5523	38.97	31.56	0.81	5800	38.58	31.25	0.81	5858	31.82	25.78	0.81	6081	30.87	25.00	0.81	6124	27.47	22.25	0.81	6246	26.38	21.36	0.81	6309	25.06	20.30	0.81	6435
	26	78.8	20	68.0	43.65	30.12	0.69	5548	40.16	27.71	0.69	5825	39.76	27.43	0.69	5883	32.80	22.63	0.69	6106	31.82	21.95	0.69	6148	28.32	19.54	0.69	6271	27.18	18.76	0.69	6334	25.82	17.82	0.69	6460
	26	78.8	22	71.6	44.39	25.30	0.57	5565	40.84	23.28	0.57	5841	40.43	23.05	0.57	5900	33.36	19.01	0.57	6123	32.36	18.44	0.57	6165	28.80	16.41	0.57	6288	27.65	15.76	0.57	6350	26.26	14.97	0.57	6477
	26	78.8	24	75.2	45.01	20.26	0.45	5585	41.41	18.64	0.45	5861	41.00	18.45	0.45	5919	33.82	15.22	0.45	6142	32.81	14.76	0.45	6185	29.20	13.14	0.45	6308	28.03	12.61	0.45	6370	26.63	11.98	0.45	6497
	26	78.8	26	78.8	45.73	15.09	0.33	5607	42.08	13.88	0.33	5884	41.65	13.75	0.33	5942	34.36	11.34	0.33	6165	33.33	11.00	0.33	6208	29.67	9.79	0.33	6330	28.48	9.40	0.33	6393	27.06	8.93	0.33	6519
	27	80.6	18	64.4	43.22	36.74	0.85	5579	39.76	33.80	0.85	5858	39.36	33.46	0.85	5917	32.47	27.60	0.85	6142	31.50	26.78	0.85	6185	28.04	23.83	0.85	6309	26.91	22.88	0.85	6373	25.57	21.73	0.85	6500
	27	80.6	19	66.2	44.10	34.84	0.79	5589	40.57	32.05	0.79	5868	40.17	31.73	0.79	5927	33.14	26.18	0.79	6152	32.14	25.39	0.79	6195	28.61	22.60	0.79	6319	27.46	21.70	0.79	6383	26.09	20.61	0.79	6510
	27	80.6	20	68.0	44.54	32.51	0.73	5604	40.98	29.91	0.73	5883	40.57	29.61	0.73	5942	33.47	24.43	0.73	6167	32.46	23.70	0.73	6210	28.89	21.09	0.73	6334	27.74	20.25	0.73	6398	26.35	19.24	0.73	6525
	27	80.6	22	71.6	45.30	27.63	0.61	5621	41.67	25.42	0.61	5900	41.26	25.17	0.61	5959	34.04	20.76	0.61	6184	33.02	20.14	0.61	6227	29.38	17.92	0.61	6351	28.21	17.21	0.61	6415	26.80	16.35	0.61	6542
	27	80.6	24	75.2	45.93	22.51	0.49	5641	42.26	20.71	0.49	5920	41.84	20.50	0.49	5979	34.51	16.91	0.49	6204	33.48	16.40	0.49	6247	29.80	14.60	0.49	6371	28.60	14.02	0.49	6435	27.17	13.32	0.49	6562
	27	80.6	26	78.8	46.67	17.27	0.37	5664	42.93	15.89	0.37	5943	42.50	15.73	0.37	6002	35.07	12.97	0.37	6227	34.01	12.59	0.37	6270	30.27	11.20	0.37	6394	29.06	10.75	0.37	6458	27.61	10.22	0.37	6585
	28	82.4	18	64.4	43.65	38.85	0.89	5635	40.16	35.74	0.89	5917	39.76	35.38	0.89	5976	32.80	29.19	0.89	6204	31.82	28.32	0.89	6247	28.32	25.20	0.89	6372	27.18	24.19	0.89	6436	25.82	22.98	0.89	6565
	28	82.4	20	68.0	44.54	34.30	0.77	5660	40.98	31.55	0.77	5942	40.57	31.24	0.77	6002	33.47	25.77	0.77	6229	32.46	25.00	0.77	6273	28.89	22.25	0.77	6398	27.74	21.36	0.77	6462	26.35	20.29	0.77	6590
	28	82.4	22	71.6	44.99	29.24	0.65	5677	41.39	26.90	0.65	5959	40.97	26.63	0.65	6019	33.80	21.97	0.65	6246	32.79	21.31	0.65	6290	29.18	18.97	0.65	6415	28.02	18.21	0.65	6479	26.61	17.30	0.65	6608
	28	82.4	24	75.2	45.75	24.25	0.53	5697	42.09	22.31	0.53	5980	41.67	22.09	0.53	6039	34.38	18.22	0.53	6266	33.35	17.67	0.53	6310	29.68	15.73	0.53	6435	28.49	15.10	0.53	6499	27.07	14.35	0.53	6628
	28	82.4	26	78.8	46.39	19.02	0.41	5721	42.68	17.50	0.41	6003	42.25	17.32	0.41	6062	34.86	14.29	0.41	6290	33.81	13.86	0.41	6333	30.09	12.34	0.41	6458	28.89	11.84	0.41	6522	27.45	11.25	0.41	6651
	29	84.2	18	64.4	44.09	40.12	0.91	5691	40.56	36.91	0.91	5976	40.15	36.54	0.91	6036	33.13	30.15	0.91	6266	32.13	29.24	0.91	6310	28.60	26.02	0.91	6436	27.45	24.98	0.91	6501	26.08	23.73	0.91	6631
	29	84.2	20	68.0	44.99	36.44	0.81	5717	41.39	33.52	0.81	6002	40.97	33.19	0.81	6062	33.80	27.38	0.81	6291	32.79	26.56	0.81	6335	29.18	23.64	0.81	6462	28.02	22.69	0.81	6526	26.61	21.56	0.81	6656
	29	84.2	22	71.6	45.89	31.66	0.69	5734	42.22	29.13	0.69	6019	41.79	28.84	0.69	6079	34.48	23.79	0.69	6309	33.44	23.08	0.69	6353	29.77	20.54	0.69	6479	28.58	19.72	0.69	6543	27.15	18.73	0.69	6674
	29	84.2	24	75.2	46.21	26.34	0.57	5754	42.51	24.23	0.57	6039	42.09	23.99	0.57	6099	34.72	19.79	0.57	6329	33.68	19.20	0.57	6373	29.98	17.09	0.57	6499	28.78	16.40	0.57	6564	27.34	15.58	0.57	6694
	29	84.2	26	78.8	46.86	21.09	0.45	5778	43.11	19.40	0.45	6063	42.68	19.20	0.45	6123	35.21	15.84	0.45	6353	34.15	15.37	0.45	6396	30.39	13.68	0.45	6523	29.18	13.13	0.45	6587	27.72	12.47	0.45	6718
	30	86.0	18	64.4	44.53	40.52	0.91	5748	40.97	37.28	0.91	6036	40.56	36.91	0.91	6096	33.46	30.45	0.91	6328	32.45	29.53	0.91	6373	28.88	26.29	0.91	6501	27.73	25.23	0.91	6566	26.34	23.97	0.91	6697
	30	86.0	20	68.0	45.44	38.62	0.85	5774	41.80	35.53	0.85	6062	41.38	35.18	0.85	6122	34.14	29.02	0.85	6354	33.12	28.15	0.85	6399	29.47	25.05	0.85	6526	28.30	24.05	0.85	6591	26.88	22.85	0.85	6723
	30	86.0	22	71.6	46.34	33.83	0.73	5791	42.64	31.13	0.73	6079	42.21	30.81	0.73	6140	34.82	25.42	0.73	6372	33.78	24.66	0.73	6416	30.06	21.95	0.73	6544	28.86	21.07	0.73	6609	27.42	20.02	0.73	6740
	30	86.0	24	75.2	46.67	28.47	0.61	5812	42.94	26.19	0.61	6100	42.51	25.93	0.61	6160	35.07	21.39	0.61	6392	34.02	20.75	0.61	6437	30.27	18.47	0.61	6564	29.06	17.73	0.61	6630	27.61	16.84	0.61	6761
	30	86.0	26	78.8	47.32	23.19	0.49	5836	43.54	21.33	0.49	6124	43.10	21.12	0.49	6184	35.56	17.42	0.49	6416	34.49	16.90	0.49	6460	30.70	15.04	0.49	6588	29.47	14.44	0.49	6653	28.00	13.72	0.49	6785
	31	87.8	18	64.4	44.97	40.93	0.91	5806	41.37	37.65	0.91	6096	40.96	37.27	0.91	6157	33.79	30.75	0.91	6392	32.78	29.83	0.91	6437	29.17	26.55	0.91	6566	28.01	25.49	0.91	6631	26.61	24.21	0.91	6764
	31	87.8	20	68.0	45.89	40.84	0.89	5832	42.22	37.58	0.89	6122	41.80	37.20	0.89	6183	34.48	30.69	0.89	6418	33.45	29.77	0.89	6463	29.77	26.49	0.89	6592	28.58	25.43	0.89	6657	27.15	24.16	0.89	6790
	31	87.8	22	71.6	46.81	36.04	0.77	5849	43.06	33.16	0.77	6140	42.63	32.83	0.77	6201	35.17	27.08	0.77	6435	34.12	26.27	0.77	6480	30.36	23.38	0.77	6609	29.15	22.45	0.77	6675	27.69	21.32	0.77	6808
	31	87.8	24	75.2	47.14	30.64	0.65	5870	43.37	28.19	0.65	6161	42.93	27.91	0.65	6222	35.42	23.02	0.65	6456	34.36	22.33	0.65	6501	30.58	19.88	0.65	6630	29.35	19.08	0.65	6696	27.89	18.13	0.65	6829
	31	87.8	26	78.8	47.80	25.33	0.53	5894	43.97	23.31	0.53	6185	43.53	23.07	0.53	6246	35.92	19.04	0.53	6480	34.84	18.46	0.53	6525	31.01	16.43	0.53	6654	29.77	15.78	0.53	6720	28.28	14.99	0.53	6853
	32	89.6	18	64.4	45.42	41.33	0.91	5864	41.79	38.03	0.91	6157	41.37	37.65	0.91	6219	34.13	31.06	0.91	6456	33.11	30.13	0.91	6501	29.47	26.81	0.91	6631	28.29	25.74	0.91	6698	26.87	24.45	0.91	6832
	32	89.6	20	68.0	46.35	42.18	0.91	5890	42.64	38.80	0.91	6184	42.22	38.42	0.91	6245	34.83	31.69	0.91	6482	33.78	30.74	0.91	6527	30.07	27.36	0.91	6657	28.86	26.27	0.91	6724	27.42	24.95	0.91	6858
	32	89.6	22	71.6	47.28	38.29	0.81	5908	43.49	35.23	0.81	6201	43.06	34.88	0.81	6263	35.52	28.77	0.81	6500	34.46	27.91	0.81	6545	30.67	24.84	0.81	6675	29.44	23.85	0.81	6742	27.97	22.66	0.81	6876
	32	89.6	24	75.2	47.61	32.85	0.69	5929	43.80	30.22	0.69	6222	43.36	29.92	0.69	6284	35.77	24.68	0.69	6521	34.70	23.94	0.69	6566	30.88	21.31	0.69	6696	29.65	20.46	0.69	6763	28.17	19.43	0.69	6897
	32	89.6	26	78.8	48.28	27.52	0.57	5953	44.41	25.32	0.57	6247	43.97	25.06	0.57	6308	36.27	20.68	0.57	6545	35.19	20.06	0.57	6590	31.32	17.85	0.57	6721	30.06	17.14	0.57	6787	28.56	16.28	0.57	6921

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
110%	21	69.8	18	64.4	41.88	25.55	0.61	4036	41.46	25.29	0.61	4072	41.01	25.02	0.61	4109	40.49	24.70	0.61	4143	40.08	24.45	0.61	4164	39.65	24.19	0.61	4301	39.10	23.85	0.61	4490	38.41	23.43	0.61	4793	37.51	22.88	0.61	5014
	21	69.8	20	68.0	43.60	21.37	0.49	4059	43.17	21.15	0.49	4096	42.70	20.92	0.49	4133	42.16	20.66	0.49	4166	41.74	20.45	0.49	4187	41.28	20.23	0.49	4325	40.71	19.95	0.49	4514	39.99	19.60	0.49	4817	39.06	19.14	0.49	5038
	22	71.6	18	64.4	43.17	28.06	0.65	4076	42.75	27.78	0.65	4114	42.28	27.48	0.65	4151	41.74	27.13	0.65	4185	41.32	26.86	0.65	4206	40.87	26.57	0.65	4345	40.31	26.20	0.65	4536	39.60	25.74	0.65	4841	38.67	25.14	0.65	5065
	22	71.6	20	68.0	44.49	23.58	0.53	4100	44.05	23.35	0.53	4137	43.57	23.09	0.53	4175	43.02	22.80	0.53	4208	42.59	22.57	0.53	4229	42.13	22.33	0.53	4369	41.54	22.02	0.53	4560	40.81	21.63	0.53	4865	39.85	21.12	0.53	5089
	22	71.6	22	71.6	45.25	18.55	0.41	4116	44.80	18.37	0.41	4153	44.32	18.17	0.41	4191	43.75	17.94	0.41	4224	43.31	17.76	0.41	4246	42.84	17.57	0.41	4385	42.25	17.32	0.41	4576	41.50	17.02	0.41	4881	40.53	16.62	0.41	5105
	23	73.4	18	64.4	44.05	30.40	0.69	4118	43.62	30.10	0.69	4155	43.14	29.77	0.69	4193	42.59	29.39	0.69	4227	42.17	29.10	0.69	4248	41.71	28.78	0.69	4389	41.13	28.38	0.69	4582	40.41	27.88	0.69	4890	39.46	27.23	0.69	5116
	23	73.4	20	68.0	45.40	25.88	0.57	4142	44.95	25.62	0.57	4179	44.46	25.34	0.57	4217	43.89	25.02	0.57	4251	43.46	24.77	0.57	4272	42.99	24.50	0.57	4413	42.39	24.16	0.57	4606	41.64	23.74	0.57	4914	40.67	23.18	0.57	5140
	23	73.4	22	71.6	46.17	20.78	0.45	4158	45.72	20.57	0.45	4195	45.22	20.35	0.45	4233	44.64	20.09	0.45	4267	44.20	19.89	0.45	4288	43.72	19.67	0.45	4429	43.11	19.40	0.45	4622	42.35	19.06	0.45	4931	41.36	18.61	0.45	5156
	24	75.2	18	64.4	44.95	32.82	0.73	4159	44.51	32.49	0.73	4197	44.02	32.14	0.73	4235	43.46	31.72	0.73	4269	43.03	31.41	0.73	4291	42.56	31.07	0.73	4433	41.97	30.64	0.73	4628	41.23	30.10	0.73	4940	40.26	29.39	0.73	5168
	24	75.2	20	68.0	46.33	28.26	0.61	4183	45.87	27.98	0.61	4221	45.37	27.68	0.61	4260	44.79	27.32	0.61	4294	44.35	27.05	0.61	4315	43.86	26.76	0.61	4457	43.26	26.39	0.61	4652	42.49	25.92	0.61	4964	41.50	25.31	0.61	5192
	24	75.2	22	71.6	47.12	23.09	0.49	4200	46.65	22.86	0.49	4238	46.14	22.61	0.49	4276	45.55	22.32	0.49	4310	45.10	22.10	0.49	4332	44.61	21.86	0.49	4474	43.99	21.56	0.49	4669	43.22	21.18	0.49	4981	42.20	20.68	0.49	5208
	24	75.2	24	75.2	47.78	17.68	0.37	4219	47.30	17.50	0.37	4257	46.79	17.31	0.37	4295	46.19	17.09	0.37	4330	45.73	16.92	0.37	4351	45.23	16.74	0.37	4493	44.61	16.51	0.37	4688	43.82	16.21	0.37	5000	42.79	15.83	0.37	5228
	25	77.0	18	64.4	46.34	35.68	0.77	4201	45.88	35.33	0.77	4239	45.39	34.95	0.77	4278	44.80	34.50	0.77	4313	44.36	34.16	0.77	4334	43.88	33.79	0.77	4478	43.27	33.32	0.77	4675	42.51	32.73	0.77	4990	41.51	31.96	0.77	5220
	25	77.0	20	68.0	47.76	31.05	0.65	4226	47.29	30.74	0.65	4264	46.77	30.40	0.65	4303	46.17	30.01	0.65	4337	45.72	29.72	0.65	4359	45.22	29.39	0.65	4502	44.60	28.99	0.65	4699	43.81	28.47	0.65	5014	42.78	27.81	0.65	5244
	25	77.0	22	71.6	48.57	25.74	0.53	4242	48.09	25.49	0.53	4281	47.57	25.21	0.53	4319	46.96	24.89	0.53	4354	46.49	24.64	0.53	4375	45.99	24.37	0.53	4519	45.35	24.04	0.53	4716	44.55	23.61	0.53	5031	43.51	23.06	0.53	5261
	25	77.0	24	75.2	49.25	20.19	0.41	4262	48.77	19.99	0.41	4300	48.24	19.78	0.41	4339	47.62	19.52	0.41	4373	47.15	19.33	0.41	4395	46.63	19.12	0.41	4539	45.99	18.86	0.41	4735	45.18	18.52	0.41	5050	44.12	18.09	0.41	5281
	26	78.8	18	64.4	47.78	38.70	0.81	4244	47.30	38.32	0.81	4282	46.79	37.90	0.81	4321	46.19	37.41	0.81	4356	45.73	37.04	0.81	4378	45.23	36.64	0.81	4523	44.61	36.13	0.81	4722	43.82	35.49	0.81	5040	42.79	34.66	0.81	5272
	26	78.8	20	68.0	49.24	33.98	0.69	4268	48.75	33.64	0.69	4307	48.22	33.27	0.69	4346	47.60	32.85	0.69	4381	47.13	32.52	0.69	4403	46.62	32.17	0.69	4548	45.97	31.72	0.69	4747	45.16	31.16	0.69	5065	44.10	30.43	0.69	5297
	26	78.8	22	71.6	50.08	28.54	0.57	4285	49.58	28.26	0.57	4324	49.04	27.95	0.57	4363	48.41	27.59	0.57	4398	47.93	27.32	0.57	4420	47.41	27.02	0.57	4565	46.76	26.65	0.57	4763	45.93	26.18	0.57	5082	44.85	25.57	0.57	5314
	26	78.8	24	75.2	50.78	22.85	0.45	4305	50.27	22.62	0.45	4344	49.73	22.38	0.45	4383	49.09	22.09	0.45	4418	48.60	21.87	0.45	4439	48.07	21.63	0.45	4585	47.41	21.33	0.45	4783	46.57	20.96	0.45	5101	45.48	20.47	0.45	5334
	26	78.8	26	78.8	51.59	17.02	0.33	4328	51.08	16.86	0.33	4366	50.52	16.67	0.33	4405	49.87	16.46	0.33	4440	49.38	16.30	0.33	4462	48.84	16.12	0.33	4607	48.17	15.90	0.33	4806	47.32	15.61	0.33	5124	46.21	15.25	0.33	5357
	27	80.6	18	64.4	48.75	41.44	0.85	4287	48.27	41.03	0.85	4326	47.74	40.58	0.85	4365	47.13	40.06	0.85	4400	46.66	39.66	0.85	4422	46.16	39.23	0.85	4569	45.52	38.69	0.85	4770	44.71	38.01	0.85	5091	43.67	37.12	0.85	5326
	27	80.6	19	66.2	49.75	39.30	0.79	4297	49.25	38.91	0.79	4336	48.72	38.49	0.79	4375	48.09	37.99	0.79	4410	47.62	37.62	0.79	4432	47.10	37.21	0.79	4579	46.45	36.69	0.79	4780	45.63	36.05	0.79	5101	44.56	35.20	0.79	5336
	27	80.6	20	68.0	50.24	36.68	0.73	4312	49.75	36.32	0.73	4351	49.21	35.92	0.73	4390	48.57	35.46	0.73	4425	48.09	35.11	0.73	4447	47.57	34.73	0.73	4594	46.91	34.25	0.73	4795	46.08	33.64	0.73	5116	45.00	32.85	0.73	5351
	27	80.6	22	71.6	51.10	31.17	0.61	4329	50.59	30.86	0.61	4368	50.04	30.53	0.61	4407	49.40	30.13	0.61	4442	48.91	29.84	0.61	4464	48.38	29.51	0.61	4611	47.71	29.10	0.61	4812	46.87	28.59	0.61	5133	45.77	27.92	0.61	5368
	27	80.6	24	75.2	51.81	25.39	0.49	4349	51.30	25.14	0.49	4388	50.74	24.86	0.49	4427	50.09	24.54	0.49	4462	49.60	24.30	0.49	4484	49.06	24.04	0.49	4631	48.38	23.71	0.49	4832	47.52	23.29	0.49	5153	46.41	22.74	0.49	5388
	27	80.6	26	78.8	52.64	19.48	0.37	4372	52.12	19.28	0.37	4411	51.55	19.08	0.37	4450	50.89	18.83	0.37	4485	50.39	18.64	0.37	4507	49.84	18.44	0.37	4654	49.15	18.19	0.37	4855	48.28	17.86	0.37	5176	47.15	17.45	0.37	5411
	28	82.4	18	64.4	49.24	43.82	0.89	4329	48.75	43.39	0.89	4369	48.22	42.92	0.89	4409	47.60	42.37	0.89	4444	47.13	41.95	0.89	4467	46.62	41.49	0.89	4615	45.97	40.92	0.89	4817	45.16	40.19	0.89	5142	44.10	39.25	0.89	5379
	28	82.4	20	68.0	50.24	38.69	0.77	4355	49.75	38.30	0.77	4394	49.21	37.89	0.77	4434	48.57	37.40	0.77	4469	48.09	37.03	0.77	4492	47.57	36.63	0.77	4640	46.91	36.12	0.77	4843	46.08	35.48	0.77	5167	45.00	34.65	0.77	5404
	28	82.4	22	71.6	50.75	32.99	0.65	4372	50.24	32.66	0.65	4411	49.70	32.30	0.65	4451	49.06	31.89	0.65	4487	48.57	31.57	0.65	4509	48.05	31.23	0.65	4657	47.38	30.80	0.65	4860	46.54	30.25	0.65	5184	45.45	29.54	0.65	5421
	28	82.4	24	75.2	51.61	27.35	0.53	4392	51.10	27.08	0.53	4431	50.54	26.79	0.53	4471	49.89	26.44	0.53	4507	49.40	26.18	0.53	4529	48.86	25.90	0.53	4677	48.19	25.54	0.53	4880	47.34	25.09	0.53	5204	46.23	24.50	0.53	5442
	28	82.4	26	78.8	52.33	21.46	0.41	4415	51.81	21.24	0.41	4455	51.25	21.01	0.41	4494	50.59	20.74	0.41	4530	50.09	20.54	0.41	4552	49.55	20.31	0.41	4700	48.86	20.03	0.41	4903	48.00	19.68	0.41	5228	46.87	19.22	0.41	5465
	29	84.2	18	64.4	49.73	45.26	0.91	4373	49.24	44.81	0.91	4412	48.70	44.32	0.91	4453	48.08	43.75	0.91	4489	47.60	43.32	0.91	4511	47.08	42.85	0.91	4661	46.43	42.26	0.91	4865	45.61	41.51	0.91	5193	44.54	40.54	0.91	5433
	29	84.2	20	68.0	50.75	41.10	0.81	4398	50.24	40.70	0.81	4438	49.70	40.25	0.81	4478	49.06	39.74	0.81	4514	48.57	39.34	0.81	4537	48.05	38.92	0.81	4686	47.38	38.38	0.81	4891	46.54	37.70	0.81	5219	45.45	36.82	0.81	5458
	29	84.2	22	71.6	51.76	35.72	0.69	4416	51.25	35.36	0.69	4455	50.69	34.98	0.69	4495	50.04	34.53	0.69	4531	49.55	34.19	0.69	4554	49.01	33.81	0.69	4704	48.33	33.35	0.69	4908	47.48	32.76	0.69	5236	46.36	31.99	0.69	5476
	29	84.2	24	75.2	52.13	29.71	0.57	4436	51.61	29.42	0.57	4476	51.05	29.10	0.57	4516	50.39	28.72	0.57	4552	49.89	28.44	0.57	4574	49.35	28.13	0.57	4724	48.67	27.74	0.57	4929	47.81	27.25	0.57	5257	46.69	26.61	0.57	5496
	29	84.2	26	78.8	52.86	23.78	0.45	4459	52.33	23.55	0.45	4499	51.76	23.29	0.45	4539	51.10	22.99	0.45	4575	50.59	22.77	0.45	4598	50.04	22.52	0.45	4747	49.35	22.21	0.45	4952	48.48	21.82	0.45	5280	47.34	21.30	0.45	5519
	30	86.0	18	64.4	50.23	45.71	0.91	4416	49.73	45.26	0.91	4457	49.19	44.76	0.91	4497	48.56	44.19	0.91	4534	48.08	43.75	0.91	4556	47.56	43.28	0.91	4707	46.90	42.68	0.91	4914	46.07	41.92	0.91	5245	44.99	40.94	0.91	5487
	30	86.0	20	68.0	51.25	43.57	0.85	4442	50.75	43.13	0.85	4482	50.19	42.67	0.85	4523	49.55	42.12	0.85	4559	49.06	41.70	0.85	4582	48.53	41.25	0.85	4733	47.86	40.68	0.85	4940	47.01	39.96	0.85	5271	45.91	39.02	0.85	5513
	30	86.0	22	71.6	52.28	38.16	0.73	4460	51.76	37.79	0.73	4500	51.20	37.37	0.73	4540	50.54	36.90	0.73	4577	50.04	36.53	0.73	4600	49.50	36.13	0.73	4751	48.81	35.63	0.73	4957	47.95	35.00	0.73	5289	46.83	34.18	0.73	5530
	30	86.0	24	75.2	52.65	32.11	0.61	4480	52.13	31.80	0.61	4520	51.56	31.45	0.61	4561	50.90	31.05	0.61	4597	50.39	30.74	0.61	4620	49.84	30.41	0.61	4771	49.16	29.99	0.61	4978	48.29	29.46	0.61	5309	47.16	28.76	0.61	5551
	30	86.0	26	78.8	53.38	26.16	0.49	4504	52.86	25.90	0.49	4544	52.28	25.62	0.49	4585	51.61	25.29	0.49	4621	51.10	25.04	0.49	4644	50.54	24.77	0.49	4795	49.84	24.42	0.49	5002	48.96	23.99	0.49	5333	47.82	23.43	0.49	5575
	31	87.8	18	64.4	50.73	46.17	0.91	4461	50.23	45.71	0.91	4501	49.68	45.21	0.91	4542	49.04	44.63	0.91	4579	48.56	44.19	0.91	4602	48.03	43.71	0.91	4754	47.37	43.10	0.91	4963	46.53	42.34	0.91	5298	45.44	41.35	0.91	5542
	31	87.8	20	68.0	51.77	46.07	0.89	4487	51.25	45.62	0.89	4527	50.70	45.12	0.89	4568	50.05	44.54	0.89	4605	49.55	44.10	0.89	4628	49.01	43.62	0.89	4780	48.33	43.02	0.89	4989	47.48	42.26	0.89	5324	46.37	41.27	0.89	5568
	31	87.8	22	71.6	52.80	40.66	0.77	4504	52.28	40.25	0.77	4545	51.71	39.82	0.77	4586	51.05	39.31	0.77	4623	50.54	38.92	0.77	4646	49.99	38.49	0.77	4798	49.30	37.96	0.77	5007	48.43	37.29	0.77	5341	47.29	36.42	0.77	5586
	31	87.8	24	75.2	53.17	34.56	0.65	4525	52.65	34.22	0.65	4566	52.07	33.85	0.65	4607	51.41	33.41	0.65	4643	50.90	33.08	0.65	4666	50.34	32.72	0.65	4819	49.65	32.27	0.65	5028	48.77	31.70	0.65	5362	47.63	30.96	0.65	5607
	31	87.8	26	78.8	53.92	28.58	0.53	4549	53.38	28.29	0.53	4590	52.80	27.99	0.53	4631	52.13	27.63	0.53	4667	51.61	27.35	0.53	4690	51.05	27.06	0.53	4843	50.34	26.68	0.53	5052	49.45	26.21	0.53	5386	48.29	25.60	0.53	5630
	32	89.6	18	64.4	51.24	46.63	0.91	4505	50.73	46.17	0.91	4546	50.18	45.66	0.91	4588	49.54	45.08	0.91	4625	49.04	44.63	0.91	4648	48.51	44.15	0.91	4802	47.84	43.54	0.91	5013	47.00	42.77	0.91	5351	45.89	41.76	0.91	5597
	32	89.6	20	68.0	52.28	47.58	0.91	4531	51.77	47.11	0.91	4572	51.20	46.60	0.91	4614	50.55	46.00	0.91	4651	50.05	45.54	0.91	4674	49.50	45.05	0.91	4828	48.82	44.42	0.91	5039	47.95	43.64	0.91	5377	46.83	42.62	0.91	5624
	32	89.6	22	71.6	53.33	43.20	0.81	4549	52.80	42.77	0.81	4590	52.23	42.30	0.81	4632	51.56	41.76	0.81	4669	51.05	41.35	0.81	4692	50.49	40.90	0.81	4846	49.79	40.33	0.81	5057	48.91	39.62	0.81	5395	47.77	38.69	0.81	5642
	32	89.6	24	75.2	53.70	37.06	0.69	4570	53.17	36.69	0.69	4611	52.59	36.29	0.69	4653	51.92	35.82	0.69	4690	51.41	35.47	0.69	4713	50.85	35.08	0.69	4867	50.14	34.60	0.69	5078	49.26	33.99	0.69	5416	48.10	33.19	0.69	5663
	32	89.6	26	78.8	54.46	31.04	0.57	4594	53.92	30.73	0.57	4636	53.33	30.40	0.57	4677	52.65	30.01	0.57	4714	52.13	29.71	0.57	4737	51.56	29.39	0.57	4891	50.85	28.98	0.57	5102	49.95	28.47	0.57	5440	48.78	27.80	0.57	5687

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
110%	21	69.8	18	64.4	36.42	22.21	0.61	5202	33.87	20.66	0.61	5462	33.53	20.45	0.61	5517	27.66	16.87	0.61	5727	26.83	16.37	0.61	5767	23.88	14.57	0.61	5883	22.93	13.98	0.61	5942	21.78	13.29	0.61	6061
	21	69.8	20	68.0	37.92	18.58	0.49	5225	35.26	17.28	0.49	5486	34.91	17.11	0.49	5540	28.80	14.11	0.49	5750	27.94	13.69	0.49	5791	24.87	12.18	0.49	5906	23.87	11.70	0.49	5965	22.68	11.11	0.49	6084
	22	71.6	18	64.4	37.54	24.40	0.65	5254	34.92	22.70	0.65	5517	34.57	22.47	0.65	5573	28.52	18.54	0.65	5785	27.66	17.98	0.65	5825	24.62	16.00	0.65	5942	23.63	15.36	0.65	6002	22.45	14.59	0.65	6122
	22	71.6	20	68.0	38.69	20.51	0.53	5278	35.98	19.07	0.53	5541	35.62	18.88	0.53	5596	29.39	15.58	0.53	5809	28.51	15.11	0.53	5849	25.37	13.45	0.53	5966	24.36	12.91	0.53	6025	23.14	12.26	0.53	6146
	22	71.6	22	71.6	39.35	16.13	0.41	5294	36.60	15.00	0.41	5557	36.23	14.85	0.41	5613	29.89	12.25	0.41	5825	28.99	11.89	0.41	5865	25.80	10.58	0.41	5982	24.77	10.16	0.41	6042	23.53	9.65	0.41	6162
	23	73.4	18	64.4	38.31	26.43	0.69	5307	35.63	24.58	0.69	5573	35.27	24.34	0.69	5629	29.10	20.08	0.69	5843	28.23	19.48	0.69	5884	25.12	17.33	0.69	6002	24.12	16.64	0.69	6062	22.91	15.81	0.69	6184
	23	73.4	20	68.0	39.48	22.50	0.57	5331	36.72	20.93	0.57	5597	36.35	20.72	0.57	5653	29.99	17.09	0.57	5867	29.09	16.58	0.57	5908	25.89	14.76	0.57	6026	24.85	14.17	0.57	6086	23.61	13.46	0.57	6208
	23	73.4	22	71.6	40.15	18.07	0.45	5348	37.34	16.80	0.45	5613	36.97	16.64	0.45	5669	30.50	13.72	0.45	5884	29.58	13.31	0.45	5925	26.33	11.85	0.45	6042	25.28	11.37	0.45	6103	24.01	10.81	0.45	6224
	24	75.2	18	64.4	39.09	28.54	0.73	5361	36.36	26.54	0.73	5629	35.99	26.27	0.73	5686	29.69	21.68	0.73	5902	28.80	21.03	0.73	5944	25.63	18.71	0.73	6063	24.61	17.96	0.73	6123	23.38	17.07	0.73	6246
	24	75.2	20	68.0	40.29	24.58	0.61	5385	37.47	22.86	0.61	5654	37.09	22.63	0.61	5710	30.60	18.67	0.61	5927	29.68	18.11	0.61	5968	26.42	16.12	0.61	6087	25.36	15.47	0.61	6148	24.09	14.70	0.61	6270
	24	75.2	22	71.6	40.97	20.08	0.49	5402	38.10	18.67	0.49	5670	37.72	18.48	0.49	5727	31.12	15.25	0.49	5943	30.19	14.79	0.49	5984	26.87	13.17	0.49	6103	25.79	12.64	0.49	6164	24.50	12.01	0.49	6287
	24	75.2	24	75.2	41.55	15.37	0.37	5421	38.64	14.30	0.37	5690	38.25	14.15	0.37	5746	31.56	11.68	0.37	5962	30.61	11.33	0.37	6004	27.24	10.08	0.37	6123	26.15	9.68	0.37	6184	24.85	9.19	0.37	6306
	25	77.0	18	64.4	40.30	31.03	0.77	5415	37.48	28.86	0.77	5686	37.10	28.57	0.77	5743	30.61	23.57	0.77	5962	29.69	22.86	0.77	6004	26.43	20.35	0.77	6124	25.37	19.53	0.77	6185	24.10	18.56	0.77	6309
	25	77.0	20	68.0	41.53	27.00	0.65	5440	38.63	25.11	0.65	5711	38.24	24.86	0.65	5768	31.55	20.51	0.65	5986	30.60	19.89	0.65	6028	27.24	17.70	0.65	6148	26.15	17.00	0.65	6210	24.84	16.15	0.65	6334
	25	77.0	22	71.6	42.24	22.39	0.53	5456	39.28	20.82	0.53	5727	38.89	20.61	0.53	5784	32.08	17.00	0.53	6003	31.12	16.49	0.53	6045	27.70	14.68	0.53	6165	26.59	14.09	0.53	6226	25.26	13.39	0.53	6350
	25	77.0	24	75.2	42.83	17.56	0.41	5476	39.83	16.33	0.41	5747	39.44	16.17	0.41	5804	32.53	13.34	0.41	6023	31.56	12.94	0.41	6064	28.09	11.52	0.41	6185	26.96	11.05	0.41	6246	25.61	10.50	0.41	6370
	26	78.8	18	64.4	41.55	33.65	0.81	5470	38.64	31.30	0.81	5744	38.25	30.98	0.81	5801	31.56	25.56	0.81	6022	30.61	24.80	0.81	6064	27.24	22.07	0.81	6186	26.15	21.19	0.81	6248	24.85	20.13	0.81	6373
	26	78.8	20	68.0	42.82	29.54	0.69	5495	39.82	27.48	0.69	5768	39.42	27.20	0.69	5826	32.52	22.44	0.69	6047	31.55	21.77	0.69	6089	28.08	19.37	0.69	6211	26.95	18.60	0.69	6273	25.61	17.67	0.69	6398
	26	78.8	22	71.6	43.55	24.82	0.57	5511	40.50	23.08	0.57	5785	40.09	22.85	0.57	5843	33.08	18.85	0.57	6064	32.08	18.29	0.57	6106	28.56	16.28	0.57	6227	27.41	15.63	0.57	6289	26.04	14.84	0.57	6414
	26	78.8	24	75.2	44.16	19.87	0.45	5531	41.07	18.48	0.45	5805	40.65	18.29	0.45	5863	33.54	15.09	0.45	6083	32.53	14.64	0.45	6126	28.96	13.03	0.45	6247	27.80	12.51	0.45	6309	26.41	11.88	0.45	6434
	26	78.8	26	78.8	44.86	14.80	0.33	5554	41.72	13.77	0.33	5828	41.31	13.63	0.33	5885	34.08	11.25	0.33	6106	33.05	10.91	0.33	6148	29.42	9.71	0.33	6270	28.24	9.32	0.33	6332	26.83	8.85	0.33	6457
	27	80.6	18	64.4	42.39	36.04	0.85	5525	39.43	33.51	0.85	5802	39.03	33.18	0.85	5860	32.20	27.37	0.85	6083	31.24	26.55	0.85	6126	27.80	23.63	0.85	6248	26.69	22.68	0.85	6311	25.35	21.55	0.85	6437
	27	80.6	19	66.2	43.26	34.18	0.79	5535	40.23	31.78	0.79	5812	39.83	31.47	0.79	5870	32.86	25.96	0.79	6093	31.87	25.18	0.79	6136	28.37	22.41	0.79	6258	27.23	21.51	0.79	6321	25.87	20.44	0.79	6447
	27	80.6	20	68.0	43.69	31.90	0.73	5550	40.63	29.66	0.73	5827	40.23	29.37	0.73	5885	33.19	24.23	0.73	6108	32.19	23.50	0.73	6151	28.65	20.92	0.73	6273	27.51	20.08	0.73	6336	26.13	19.07	0.73	6462
	27	80.6	22	71.6	44.44	27.11	0.61	5567	41.32	25.21	0.61	5844	40.91	24.96	0.61	5902	33.75	20.59	0.61	6125	32.74	19.97	0.61	6168	29.14	17.77	0.61	6290	27.97	17.06	0.61	6353	26.57	16.21	0.61	6479
	27	80.6	24	75.2	45.06	22.08	0.49	5587	41.90	20.53	0.49	5864	41.48	20.33	0.49	5922	34.22	16.77	0.49	6145	33.20	16.27	0.49	6188	29.55	14.48	0.49	6310	28.36	13.90	0.49	6373	26.95	13.20	0.49	6499
	27	80.6	26	78.8	45.78	16.94	0.37	5610	42.57	15.75	0.37	5887	42.15	15.59	0.37	5945	34.77	12.87	0.37	6168	33.73	12.48	0.37	6211	30.02	11.11	0.37	6333	28.82	10.66	0.37	6396	27.38	10.13	0.37	6522
	28	82.4	18	64.4	42.82	38.11	0.89	5580	39.82	35.44	0.89	5860	39.42	35.09	0.89	5918	32.52	28.95	0.89	6144	31.55	28.08	0.89	6187	28.08	24.99	0.89	6311	26.95	23.99	0.89	6374	25.61	22.79	0.89	6502
	28	82.4	20	68.0	43.69	33.64	0.77	5606	40.63	31.29	0.77	5885	40.23	30.98	0.77	5944	33.19	25.55	0.77	6169	32.19	24.79	0.77	6212	28.65	22.06	0.77	6336	27.51	21.18	0.77	6399	26.13	20.12	0.77	6527
	28	82.4	22	71.6	44.13	28.68	0.65	5623	41.04	26.68	0.65	5902	40.63	26.41	0.65	5961	33.52	21.79	0.65	6186	32.51	21.13	0.65	6229	28.94	18.81	0.65	6353	27.78	18.06	0.65	6416	26.39	17.15	0.65	6544
	28	82.4	24	75.2	44.88	23.79	0.53	5643	41.74	22.12	0.53	5922	41.32	21.90	0.53	5981	34.09	18.07	0.53	6206	33.07	17.53	0.53	6249	29.43	15.60	0.53	6373	28.25	14.97	0.53	6437	26.84	14.23	0.53	6564
	28	82.4	26	78.8	45.51	18.66	0.41	5666	42.32	17.35	0.41	5946	41.90	17.18	0.41	6004	34.57	14.17	0.41	6230	33.53	13.75	0.41	6273	29.84	12.24	0.41	6397	28.65	11.75	0.41	6460	27.22	11.16	0.41	6588
	29	84.2	18	64.4	43.25	39.35	0.91	5636	40.22	36.60	0.91	5918	39.82	36.23	0.91	5978	32.85	29.89	0.91	6205	31.86	29.00	0.91	6249	28.36	25.81	0.91	6374	27.22	24.77	0.91	6438	25.86	23.54	0.91	6567
	29	84.2	20	68.0	44.13	35.74	0.81	5662	41.04	33.24	0.81	5944	40.63	32.91	0.81	6003	33.52	27.15	0.81	6231	32.51	26.34	0.81	6274	28.94	23.44	0.81	6399	27.78	22.50	0.81	6463	26.39	21.38	0.81	6592
	29	84.2	22	71.6	45.01	31.06	0.69	5679	41.86	28.88	0.69	5961	41.44	28.60	0.69	6020	34.19	23.59	0.69	6248	33.16	22.88	0.69	6292	29.52	20.37	0.69	6417	28.34	19.55	0.69	6481	26.92	18.57	0.69	6610
	29	84.2	24	75.2	45.33	25.84	0.57	5699	42.16	24.03	0.57	5982	41.73	23.79	0.57	6041	34.43	19.63	0.57	6268	33.40	19.04	0.57	6312	29.72	16.94	0.57	6437	28.53	16.26	0.57	6501	27.11	15.45	0.57	6630
	29	84.2	26	78.8	45.96	20.68	0.45	5723	42.75	19.24	0.45	6005	42.32	19.04	0.45	6064	34.91	15.71	0.45	6292	33.87	15.24	0.45	6335	30.14	13.56	0.45	6461	28.93	13.02	0.45	6524	27.49	12.37	0.45	6653
	30	86.0	18	64.4	43.68	39.75	0.91	5692	40.62	36.97	0.91	5978	40.22	36.60	0.91	6037	33.18	30.19	0.91	6267	32.18	29.29	0.91	6311	28.64	26.06	0.91	6438	27.50	25.02	0.91	6502	26.12	23.77	0.91	6632
	30	86.0	20	68.0	44.57	37.89	0.85	5718	41.45	35.23	0.85	6003	41.04	34.88	0.85	6063	33.85	28.78	0.85	6293	32.84	27.91	0.85	6337	29.23	24.84	0.85	6463	28.06	23.85	0.85	6528	26.66	22.66	0.85	6658
	30	86.0	22	71.6	45.46	33.19	0.73	5736	42.28	30.86	0.73	6021	41.86	30.56	0.73	6081	34.53	25.21	0.73	6311	33.50	24.45	0.73	6354	29.81	21.76	0.73	6481	28.62	20.89	0.73	6545	27.19	19.85	0.73	6676
	30	86.0	24	75.2	45.78	27.93	0.61	5756	42.58	25.97	0.61	6041	42.15	25.71	0.61	6101	34.77	21.21	0.61	6331	33.73	20.58	0.61	6375	30.02	18.31	0.61	6501	28.82	17.58	0.61	6566	27.38	16.70	0.61	6696
	30	86.0	26	78.8	46.42	22.75	0.49	5780	43.17	21.15	0.49	6065	42.74	20.94	0.49	6125	35.26	17.28	0.49	6355	34.20	16.76	0.49	6399	30.44	14.92	0.49	6525	29.22	14.32	0.49	6590	27.76	13.60	0.49	6720
	31	87.8	18	64.4	44.12	40.15	0.91	5749	41.03	37.34	0.91	6037	40.62	36.96	0.91	6098	33.51	30.49	0.91	6330	32.50	29.58	0.91	6374	28.93	26.33	0.91	6502	27.77	25.27	0.91	6567	26.38	24.01	0.91	6699
	31	87.8	20	68.0	45.02	40.06	0.89	5775	41.87	37.26	0.89	6063	41.45	36.89	0.89	6124	34.19	30.43	0.89	6356	33.17	29.52	0.89	6400	29.52	26.27	0.89	6528	28.34	25.22	0.89	6593	26.92	23.96	0.89	6725
	31	87.8	22	71.6	45.92	35.36	0.77	5793	42.70	32.88	0.77	6081	42.28	32.55	0.77	6142	34.88	26.86	0.77	6374	33.83	26.05	0.77	6418	30.11	23.18	0.77	6546	28.91	22.26	0.77	6611	27.46	21.14	0.77	6742
	31	87.8	24	75.2	46.24	30.06	0.65	5814	43.00	27.95	0.65	6102	42.57	27.67	0.65	6162	35.12	22.83	0.65	6394	34.07	22.14	0.65	6439	30.32	19.71	0.65	6567	29.11	18.92	0.65	6632	27.65	17.97	0.65	6763
	31	87.8	26	78.8	46.89	24.85	0.53	5838	43.60	23.11	0.53	6126	43.17	22.88	0.53	6186	35.61	18.88	0.53	6418	34.55	18.31	0.53	6463	30.75	16.30	0.53	6590	29.52	15.64	0.53	6656	28.04	14.86	0.53	6787
	32	89.6	18	64.4	44.56	40.55	0.91	5807	41.44	37.71	0.91	6098	41.02	37.33	0.91	6159	33.84	30.80	0.91	6393	32.83	29.87	0.91	6438	29.22	26.59	0.91	6567	28.05	25.53	0.91	6633	26.65	24.25	0.91	6766
	32	89.6	20	68.0	45.47	41.37	0.91	5833	42.28	38.48	0.91	6124	41.86	38.09	0.91	6185	34.54	31.43	0.91	6419	33.50	30.48	0.91	6464	29.81	27.13	0.91	6593	28.62	26.05	0.91	6659	27.19	24.74	0.91	6792
	32	89.6	22	71.6	46.38	37.56	0.81	5851	43.13	34.94	0.81	6142	42.70	34.59	0.81	6203	35.23	28.53	0.81	6437	34.17	27.68	0.81	6482	30.41	24.63	0.81	6611	29.19	23.65	0.81	6677	27.73	22.47	0.81	6810
	32	89.6	24	75.2	46.70	32.22	0.69	5872	43.43	29.97	0.69	6163	43.00	29.67	0.69	6224	35.47	24.48	0.69	6458	34.41	23.74	0.69	6503	30.62	21.13	0.69	6632	29.40	20.29	0.69	6698	27.93	19.27	0.69	6831
	32	89.6	26	78.8	47.36	26.99	0.57	5896	44.04	25.10	0.57	6187	43.60	24.85	0.57	6248	35.97	20.50	0.57	6483	34.89	19.89	0.57	6527	31.05	17.70	0.57	6656	29.81	16.99	0.57	6722	28.32	16.14	0.57	6855

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
100%	21	69,8	18	64,4	40,66	24,80	0,61	3937	40,26	24,56	0,61	3973	39,82	24,29	0,61	4009	39,31	23,98	0,61	4041	38,92	23,74	0,61	4062	38,49	23,48	0,61	4196	37,96	23,16	0,61	4381	37,29	22,75	0,61	4676	36,42	22,21	0,61	4892
	21	69,8	20	68,0	42,33	20,74	0,49	3961	41,92	20,54	0,49	3996	41,46	20,32	0,49	4033	40,93	20,05	0,49	4065	40,52	19,86	0,49	4085	40,08	19,64	0,49	4220	39,53	19,37	0,49	4404	38,83	19,03	0,49	4699	37,92	18,58	0,49	4915
	22	71,6	18	64,4	41,92	27,25	0,65	3977	41,50	26,98	0,65	4013	41,05	26,68	0,65	4049	40,52	26,34	0,65	4082	40,12	26,08	0,65	4103	39,68	25,79	0,65	4239	39,14	25,44	0,65	4425	38,44	24,99	0,65	4723	37,54	24,40	0,65	4941
	22	71,6	20	68,0	43,20	22,90	0,53	4001	42,77	22,67	0,53	4037	42,31	22,42	0,53	4073	41,76	22,13	0,53	4106	41,35	21,92	0,53	4127	40,90	21,68	0,53	4263	40,33	21,38	0,53	4449	39,62	21,00	0,53	4747	38,69	20,51	0,53	4965
	22	71,6	22	71,6	43,93	18,01	0,41	4017	43,50	17,83	0,41	4053	43,02	17,64	0,41	4089	42,47	17,41	0,41	4122	42,05	17,24	0,41	4143	41,59	17,05	0,41	4279	41,02	16,82	0,41	4465	40,29	16,52	0,41	4763	39,35	16,13	0,41	4981
	23	73,4	18	64,4	42,77	29,51	0,69	4017	42,35	29,22	0,69	4054	41,89	28,90	0,69	4090	41,35	28,53	0,69	4123	40,94	28,25	0,69	4144	40,49	27,94	0,69	4282	39,94	27,56	0,69	4470	39,23	27,07	0,69	4771	38,31	26,43	0,69	4991
	23	73,4	20	68,0	44,08	25,13	0,57	4041	43,64	24,88	0,57	4078	43,17	24,61	0,57	4114	42,61	24,29	0,57	4147	42,19	24,05	0,57	4168	41,73	23,79	0,57	4306	41,16	23,46	0,57	4494	40,43	23,05	0,57	4795	39,48	22,50	0,57	5015
	23	73,4	22	71,6	44,83	20,17	0,45	4057	44,39	19,97	0,45	4094	43,90	19,76	0,45	4131	43,34	19,50	0,45	4164	42,91	19,31	0,45	4185	42,44	19,10	0,45	4322	41,86	18,84	0,45	4510	41,12	18,50	0,45	4811	40,15	18,07	0,45	5031
	24	75,2	18	64,4	43,64	31,86	0,73	4058	43,21	31,54	0,73	4094	42,74	31,20	0,73	4132	42,19	30,80	0,73	4165	41,78	30,50	0,73	4186	41,32	30,16	0,73	4325	40,75	29,75	0,73	4515	40,03	29,22	0,73	4819	39,09	28,54	0,73	5041
	24	75,2	20	68,0	44,98	27,44	0,61	4082	44,53	27,17	0,61	4119	44,05	26,87	0,61	4156	43,48	26,53	0,61	4189	43,05	26,26	0,61	4210	42,59	25,98	0,61	4349	42,00	25,62	0,61	4539	41,26	25,17	0,61	4843	40,29	24,58	0,61	5066
	24	75,2	22	71,6	45,74	22,41	0,49	4098	45,29	22,19	0,49	4135	44,80	21,95	0,49	4172	44,22	21,67	0,49	4206	43,79	21,46	0,49	4227	43,31	21,22	0,49	4366	42,71	20,93	0,49	4556	41,96	20,56	0,49	4860	40,97	20,08	0,49	5082
	24	75,2	24	75,2	46,38	17,16	0,37	4118	45,93	16,99	0,37	4155	45,43	16,81	0,37	4192	44,84	16,59	0,37	4225	44,40	16,43	0,37	4246	43,92	16,25	0,37	4385	43,31	16,02	0,37	4575	42,54	15,74	0,37	4879	41,55	15,37	0,37	5101
	25	77,0	18	64,4	44,99	34,65	0,77	4098	44,55	34,30	0,77	4136	44,06	33,93	0,77	4173	43,50	33,49	0,77	4207	43,07	33,16	0,77	4228	42,60	32,80	0,77	4368	42,01	32,35	0,77	4560	41,27	31,78	0,77	4868	40,30	31,03	0,77	5092
	25	77,0	20	68,0	46,37	30,14	0,65	4123	45,91	29,84	0,65	4160	45,41	29,52	0,65	4198	44,83	29,14	0,65	4232	44,39	28,85	0,65	4253	43,90	28,54	0,65	4393	43,30	28,14	0,65	4585	42,53	27,65	0,65	4892	41,53	27,00	0,65	5117
	25	77,0	22	71,6	47,16	24,99	0,53	4140	46,69	24,75	0,53	4177	46,18	24,48	0,53	4215	45,59	24,16	0,53	4248	45,14	23,92	0,53	4270	44,65	23,66	0,53	4410	44,03	23,34	0,53	4602	43,25	22,92	0,53	4909	42,24	22,39	0,53	5133
	25	77,0	24	75,2	47,82	19,61	0,41	4159	47,35	19,41	0,41	4197	46,83	19,20	0,41	4234	46,23	18,95	0,41	4268	45,77	18,77	0,41	4289	45,27	18,56	0,41	4429	44,65	18,31	0,41	4621	43,86	17,98	0,41	4928	42,83	17,56	0,41	5153
	26	78,8	18	64,4	46,39	37,57	0,81	4140	45,93	37,20	0,81	4178	45,43	36,80	0,81	4216	44,84	36,32	0,81	4250	44,40	35,96	0,81	4271	43,92	35,57	0,81	4413	43,31	35,08	0,81	4607	42,54	34,46	0,81	4917	41,55	33,65	0,81	5144
	26	78,8	20	68,0	47,81	32,99	0,69	4165	47,33	32,66	0,69	4202	46,82	32,30	0,69	4240	46,22	31,89	0,69	4274	45,76	31,57	0,69	4296	45,26	31,23	0,69	4437	44,64	30,80	0,69	4631	43,85	30,25	0,69	4942	42,82	29,54	0,69	5168
	26	78,8	22	71,6	48,62	27,71	0,57	4181	48,14	27,44	0,57	4219	47,61	27,14	0,57	4257	47,00	26,79	0,57	4291	46,54	26,53	0,57	4313	46,03	26,24	0,57	4454	45,39	25,87	0,57	4648	44,59	25,42	0,57	4958	43,55	24,82	0,57	5185
	26	78,8	24	75,2	49,30	22,18	0,45	4201	48,81	21,96	0,45	4239	48,28	21,73	0,45	4277	47,66	21,45	0,45	4311	47,19	21,23	0,45	4332	46,67	21,00	0,45	4474	46,03	20,71	0,45	4668	45,22	20,35	0,45	4978	44,16	19,87	0,45	5205
	26	78,8	26	78,8	50,09	16,53	0,33	4224	49,59	16,37	0,33	4262	49,05	16,19	0,33	4300	48,42	15,98	0,33	4334	47,94	15,82	0,33	4355	47,42	15,65	0,33	4497	46,77	15,43	0,33	4691	45,94	15,16	0,33	5001	44,86	14,80	0,33	5228
	27	80,6	18	64,4	47,33	40,23	0,85	4182	46,86	39,83	0,85	4220	46,35	39,40	0,85	4258	45,76	38,89	0,85	4293	45,31	38,51	0,85	4314	44,81	38,09	0,85	4457	44,19	37,56	0,85	4653	43,41	36,90	0,85	4967	42,39	36,04	0,85	5196
	27	80,6	19	66,2	48,30	38,16	0,79	4192	47,82	37,78	0,79	4230	47,30	37,37	0,79	4268	46,69	36,89	0,79	4303	46,23	36,52	0,79	4324	45,73	36,12	0,79	4467	45,10	35,63	0,79	4663	44,30	35,00	0,79	4977	43,26	34,18	0,79	5206
	27	80,6	20	68,0	48,78	35,61	0,73	4207	48,30	35,26	0,73	4245	47,77	34,87	0,73	4283	47,16	34,43	0,73	4318	46,69	34,09	0,73	4339	46,18	33,71	0,73	4482	45,55	33,25	0,73	4678	44,74	32,66	0,73	4992	43,69	31,90	0,73	5221
	27	80,6	22	71,6	49,61	30,26	0,61	4224	49,12	29,96	0,61	4262	48,58	29,64	0,61	4300	47,96	29,26	0,61	4335	47,49	28,97	0,61	4356	46,97	28,65	0,61	4499	46,32	28,26	0,61	4695	45,50	27,76	0,61	5009	44,44	27,11	0,61	5238
	27	80,6	24	75,2	50,30	24,65	0,49	4244	49,81	24,41	0,49	4282	49,26	24,14	0,49	4320	48,63	23,83	0,49	4355	48,15	23,59	0,49	4376	47,63	23,34	0,49	4519	46,97	23,01	0,49	4715	46,14	22,61	0,49	5029	45,06	22,08	0,49	5258
	27	80,6	26	78,8	51,11	18,91	0,37	4267	50,60	18,72	0,37	4305	50,05	18,52	0,37	4343	49,41	18,28	0,37	4378	48,92	18,10	0,37	4399	48,39	17,90	0,37	4542	47,72	17,66	0,37	4738	46,88	17,34	0,37	5052	45,78	16,94	0,37	5281
	28	82,4	18	64,4	47,81	42,55	0,89	4224	47,33	42,13	0,89	4262	46,82	41,67	0,89	4301	46,22	41,13	0,89	4336	45,76	40,72	0,89	4357	45,26	40,28	0,89	4502	44,64	39,73	0,89	4700	43,85	39,02	0,89	5016	42,82	38,11	0,89	5248
	28	82,4	20	68,0	48,78	37,56	0,77	4249	48,30	37,19	0,77	4287	47,77	36,78	0,77	4326	47,16	36,31	0,77	4361	46,69	35,95	0,77	4383	46,18	35,56	0,77	4527	45,55	35,07	0,77	4725	44,74	34,45	0,77	5041	43,69	33,64	0,77	5273
	28	82,4	22	71,6	49,27	32,02	0,65	4266	48,78	31,71	0,65	4304	48,25	31,36	0,65	4343	47,63	30,96	0,65	4378	47,16	30,65	0,65	4400	46,65	30,32	0,65	4544	46,00	29,90	0,65	4742	45,19	29,37	0,65	5059	44,13	28,68	0,65	5290
	28	82,4	24	75,2	50,11	26,56	0,53	4286	49,61	26,29	0,53	4325	49,07	26,01	0,53	4363	48,44	25,67	0,53	4398	47,96	25,42	0,53	4420	47,44	25,14	0,53	4564	46,78	24,80	0,53	4762	45,96	24,36	0,53	5079	44,88	23,79	0,53	5310
	28	82,4	26	78,8	50,81	20,83	0,41	4309	50,30	20,62	0,41	4348	49,76	20,40	0,41	4387	49,12	20,14	0,41	4421	48,63	19,94	0,41	4443	48,10	19,72	0,41	4588	47,44	19,45	0,41	4785	46,60	19,11	0,41	5102	45,51	18,66	0,41	5333
	29	84,2	18	64,4	48,28	43,94	0,91	4266	47,81	43,50	0,91	4305	47,28	43,03	0,91	4344	46,68	42,48	0,91	4379	46,22	42,06	0,91	4401	45,71	41,60	0,91	4547	45,08	41,02	0,91	4747	44,28	40,30	0,91	5066	43,25	39,35	0,91	5300
	29	84,2	20	68,0	49,27	39,91	0,81	4291	48,78	39,51	0,81	4330	48,25	39,08	0,81	4369	47,63	38,58	0,81	4404	47,16	38,20	0,81	4426	46,65	37,78	0,81	4572	46,00	37,26	0,81	4772	45,19	36,60	0,81	5092	44,13	35,74	0,81	5326
	29	84,2	22	71,6	50,25	34,68	0,69	4309	49,76	34,33	0,69	4347	49,21	33,96	0,69	4387	48,58	33,52	0,69	4422	48,10	33,19	0,69	4444	47,58	32,83	0,69	4590	46,92	32,38	0,69	4789	46,09	31,80	0,69	5109	45,01	31,06	0,69	5343
	29	84,2	24	75,2	50,61	28,85	0,57	4329	50,11	28,56	0,57	4368	49,56	28,25	0,57	4407	48,92	27,89	0,57	4442	48,44	27,61	0,57	4464	47,91	27,31	0,57	4610	47,25	26,93	0,57	4810	46,42	26,46	0,57	5130	45,33	25,84	0,57	5363
	29	84,2	26	78,8	51,32	23,09	0,45	4352	50,81	22,86	0,45	4391	50,25	22,61	0,45	4430	49,61	22,32	0,45	4466	49,12	22,10	0,45	4488	48,58	21,86	0,45	4633	47,91	21,56	0,45	4833	47,07	21,18	0,45	5153	45,96	20,68	0,45	5387
	30	86,0	18	64,4	48,77	44,38	0,91	4308	48,28	43,94	0,91	4348	47,76	43,46	0,91	4387	47,14	42,90	0,91	4423	46,68	42,48	0,91	4445	46,17	42,01	0,91	4592	45,53	41,43	0,91	4794	44,73	40,70	0,91	5117	43,68	39,75	0,91	5353
	30	86,0	20	68,0	49,76	42,30	0,85	4334	49,27	41,88	0,85	4373	48,73	41,42	0,85	4413	48,11	40,89	0,85	4448	47,63	40,49	0,85	4471	47,11	40,05	0,85	4618	46,46	39,49	0,85	4820	45,64	38,79	0,85	5143	44,57	37,89	0,85	5379
	30	86,0	22	71,6	50,76	37,05	0,73	4352	50,25	36,69	0,73	4391	49,71	36,29	0,73	4430	49,07	35,82	0,73	4466	48,58	35,47	0,73	4488	48,05	35,08	0,73	4636	47,39	34,60	0,73	4837	46,55	33,98	0,73	5160	45,46	33,19	0,73	5396
	30	86,0	24	75,2	51,11	31,18	0,61	4372	50,61	30,87	0,61	4412	50,06	30,53	0,61	4451	49,41	30,14	0,61	4487	48,92	29,84	0,61	4509	48,39	29,52	0,61	4656	47,72	29,11	0,61	4858	46,88	28,60	0,61	5181	45,78	27,93	0,61	5417
	30	86,0	26	78,8	51,83	25,40	0,49	4396	51,32	25,14	0,49	4435	50,76	24,87	0,49	4475	50,11	24,55	0,49	4510	49,61	24,31	0,49	4533	49,07	24,04	0,49	4680	48,39	23,71	0,49	4882	47,54	23,29	0,49	5205	46,42	22,75	0,49	5441
	31	87,8	18	64,4	49,25	44,82	0,91	4352	48,77	44,38	0,91	4391	48,24	43,89	0,91	4431	47,62	43,33	0,91	4467	47,14	42,90	0,91	4489	46,63	42,44	0,91	4638	45,99	41,85	0,91	4842	45,17	41,11	0,91	5168	44,12	40,15	0,91	5407
	31	87,8	20	68,0	50,26	44,73	0,89	4378	49,76	44,29	0,89	4417	49,22	43,81	0,89	4457	48,59	43,24	0,89	4493	48,11	42,82	0,89	4515	47,58	42,35	0,89	4664	46,93	41,76	0,89	4868	46,10	41,03	0,89	5194	45,02	40,06	0,89	5433
	31	87,8	22	71,6	51,26	39,47	0,77	4395	50,76	39,08	0,77	4435	50,20	38,66	0,77	4475	49,56	38,16	0,77	4511	49,07	37,78	0,77	4533	48,54	37,37	0,77	4682	47,87	36,86	0,77	4886	47,02	36,20	0,77	5212	45,92	35,36	0,77	5450
	31	87,8	24	75,2	51,62	33,56	0,65	4416	51,11	33,22	0,65	4456	50,56	32,86	0,65	4496	49,91	32,44	0,65	4531	49,41	32,12	0,65	4554	48,88	31,77	0,65	4703	48,20	31,33	0,65	4906	47,35	30,78	0,65	5233	46,24	30,06	0,65	5471
	31	87,8	26	78,8	52,35	27,74	0,53	4440	51,83	27,47	0,53	4480	51,26	27,17	0,53	4520	50,61	26,82	0,53	4555	50,11	26,56	0,53	4578	49,56	26,27	0,53	4727	48,88	25,90	0,53	4930	48,01	25,45	0,53	5257	46,89	24,85	0,53	5495
	32	89,6	18	64,4	49,75	45,27	0,91	4395	49,25	44,82	0,91	4435	48,72	44,33	0,91	4475	48,09	43,76	0,91	4512	47,62	43,33	0,91	4534	47,10	42,86	0,91	4685	46,45	42,27	0,91	4890	45,63	41,52	0,91	5220	44,56	40,55	0,91	5461
	32	89,6	20	68,0	50,76	46,19	0,91	4421	50,26	45,74	0,91	4461	49,71	45,24	0,91	4502	49,07	44,66	0,91	4538	48,59	44,22	0,91	4561	48,06	43,73	0,91	4711	47,40	43,13	0,91	4917	46,56	42,37	0,91	5246	45,47	41,37	0,91	5487
	32	89,6	22	71,6	51,78	41,94	0,81	4439	51,26	41,52	0,81	4479	50,71	41,07	0,81	4520	50,06	40,54	0,81	4556	49,56	40,14	0,81	4578	49,02	39,71	0,81	4729	48,34	39,16	0,81	4935	47,49	38,47	0,81	5264	46,38	37,56	0,81	5505
	32	89,6	24	75,2	52,14	35,98	0,69	4460	51,62	35,62	0,69	4500	51,06	35,23	0,69	4541	50,41	34,78	0,69	4577	49,91	34,44	0,69	4599	49,37	34,06	0,69	4750	48,68	33,59	0,69	4956	47,82	33,00	0,69	5285	46,70	32,22	0,69	5526
	32	89,6	26	78,8	52,87	30,14	0,57	4484	52,35	29,84	0,57	4524	51,78	29,51	0,57	4565	51,11	29,13	0,57	4601	50,61	28,85	0,57	4624	50,06	28,53	0,57	4774	49,37	28,14	0,57	4980	48,49	27,64	0,57	5309	47,36	26,99	0,57	5550

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																									
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
100%	21	69.8	18	64.4	35.36	21.57	0.61	5075	32.88	20.06	0.61	5329	32.55	19.86	0.61	5382	26.86	16.38	0.61	5587	26.05	15.89	0.61	5626	23.18	14.14	0.61	5739	22.26	13.58	0.61	5796	21.14	12.90	0.61	5913
	21	69.8	20	68.0	36.81	18.04	0.49	5098	34.24	16.78	0.49	5352	33.90	16.61	0.49	5406	27.96	13.70	0.49	5611	27.12	13.29	0.49	5650	24.14	11.83	0.49	5762	23.18	11.36	0.49	5820	22.02	10.79	0.49	5936
	22	71.6	18	64.4	36.45	23.69	0.65	5126	33.90	22.03	0.65	5383	33.56	21.81	0.65	5437	27.69	18.00	0.65	5643	26.86	17.46	0.65	5683	23.90	15.54	0.65	5797	22.95	14.91	0.65	5855	21.80	14.17	0.65	5972
	22	71.6	20	68.0	37.57	19.91	0.53	5150	34.94	18.52	0.53	5406	34.59	18.33	0.53	5460	28.53	15.12	0.53	5667	27.68	14.67	0.53	5707	24.63	13.06	0.53	5821	23.65	12.53	0.53	5879	22.47	11.91	0.53	5996
	22	71.6	22	71.6	38.20	15.66	0.41	5166	35.53	14.57	0.41	5423	35.17	14.42	0.41	5476	29.02	11.90	0.41	5683	28.15	11.54	0.41	5723	25.05	10.27	0.41	5837	24.05	9.86	0.41	5895	22.85	9.37	0.41	6012
	23	73.4	18	64.4	37.19	25.66	0.69	5178	34.59	23.87	0.69	5437	34.24	23.63	0.69	5491	28.25	19.49	0.69	5700	27.40	18.91	0.69	5740	24.39	16.83	0.69	5855	23.41	16.16	0.69	5914	22.24	15.35	0.69	6033
	23	73.4	20	68.0	38.33	21.85	0.57	5202	35.65	20.32	0.57	5461	35.29	20.12	0.57	5515	29.12	16.60	0.57	5724	28.24	16.10	0.57	5764	25.14	14.33	0.57	5879	24.13	13.75	0.57	5938	22.92	13.07	0.57	6057
	23	73.4	22	71.6	38.98	17.54	0.45	5218	36.26	16.31	0.45	5477	35.89	16.15	0.45	5532	29.61	13.33	0.45	5741	28.72	12.93	0.45	5781	25.56	11.50	0.45	5896	24.54	11.04	0.45	5954	23.31	10.49	0.45	6073
	24	75.2	18	64.4	37.95	27.71	0.73	5230	35.30	25.77	0.73	5492	34.94	25.51	0.73	5547	28.83	21.04	0.73	5758	27.96	20.41	0.73	5798	24.89	18.17	0.73	5915	23.89	17.44	0.73	5974	22.70	16.57	0.73	6094
	24	75.2	20	68.0	39.11	23.86	0.61	5254	36.38	22.19	0.61	5516	36.01	21.97	0.61	5571	29.71	18.12	0.61	5782	28.82	17.58	0.61	5823	25.65	15.65	0.61	5939	24.62	15.02	0.61	5998	23.39	14.27	0.61	6118
	24	75.2	22	71.6	39.78	19.49	0.49	5271	37.00	18.13	0.49	5533	36.63	17.95	0.49	5588	30.22	14.81	0.49	5799	29.31	14.36	0.49	5839	26.09	12.78	0.49	5955	25.04	12.27	0.49	6015	23.79	11.66	0.49	6134
	24	75.2	24	75.2	40.34	14.92	0.37	5290	37.51	13.88	0.37	5552	37.14	13.74	0.37	5607	30.64	11.34	0.37	5818	29.72	11.00	0.37	5859	26.45	9.79	0.37	5975	25.39	9.40	0.37	6034	24.12	8.93	0.37	6154
	25	77.0	18	64.4	39.13	30.13	0.77	5283	36.39	28.02	0.77	5547	36.02	27.74	0.77	5603	29.72	22.88	0.77	5816	28.83	22.20	0.77	5857	25.66	19.76	0.77	5974	24.63	18.97	0.77	6034	23.40	18.02	0.77	6155
	25	77.0	20	68.0	40.32	26.21	0.65	5307	37.50	24.38	0.65	5572	37.13	24.13	0.65	5627	30.63	19.91	0.65	5841	29.71	19.31	0.65	5882	26.44	17.19	0.65	5999	25.38	16.50	0.65	6059	24.12	15.68	0.65	6180
	25	77.0	22	71.6	41.01	21.74	0.53	5324	38.14	20.21	0.53	5589	37.76	20.01	0.53	5644	31.15	16.51	0.53	5857	30.22	16.01	0.53	5898	26.89	14.25	0.53	6016	25.82	13.68	0.53	6075	24.53	13.00	0.53	6196
	25	77.0	24	75.2	41.58	17.05	0.41	5344	38.67	15.86	0.41	5608	38.29	15.70	0.41	5664	31.59	12.95	0.41	5877	30.64	12.56	0.41	5918	27.27	11.18	0.41	6035	26.18	10.73	0.41	6095	24.87	10.20	0.41	6216
	26	78.8	18	64.4	40.34	32.67	0.81	5336	37.51	30.39	0.81	5603	37.14	30.08	0.81	5660	30.64	24.82	0.81	5875	29.72	24.07	0.81	5916	26.45	21.42	0.81	6035	25.39	20.57	0.81	6095	24.12	19.54	0.81	6217
	26	78.8	20	68.0	41.57	28.68	0.69	5361	38.66	26.68	0.69	5628	38.27	26.41	0.69	5684	31.58	21.79	0.69	5900	30.63	21.13	0.69	5941	27.26	18.81	0.69	6059	26.17	18.06	0.69	6120	24.86	17.15	0.69	6242
	26	78.8	22	71.6	42.28	24.10	0.57	5378	39.32	22.41	0.57	5645	38.93	22.19	0.57	5701	32.11	18.30	0.57	5917	31.15	17.76	0.57	5958	27.72	15.80	0.57	6076	26.61	15.17	0.57	6137	25.28	14.41	0.57	6259
	26	78.8	24	75.2	42.87	19.29	0.45	5397	39.87	17.94	0.45	5665	39.47	17.76	0.45	5721	32.56	14.65	0.45	5936	31.59	14.21	0.45	5978	28.11	12.65	0.45	6096	26.99	12.14	0.45	6157	25.64	11.54	0.45	6279
	26	78.8	26	78.8	43.56	14.37	0.33	5420	40.51	13.37	0.33	5688	40.10	13.23	0.33	5744	33.08	10.92	0.33	5959	32.09	10.59	0.33	6000	28.56	9.43	0.33	6119	27.42	9.05	0.33	6179	26.05	8.60	0.33	6301
	27	80.6	18	64.4	41.16	34.99	0.85	5390	38.28	32.54	0.85	5660	37.90	32.21	0.85	5717	31.26	26.57	0.85	5934	30.33	25.78	0.85	5976	26.99	22.94	0.85	6096	25.91	22.02	0.85	6157	24.62	20.92	0.85	6280
	27	80.6	19	66.2					39.06	30.86	0.79	5670	38.67	30.55	0.79	5727	31.90	25.20	0.79	5944	30.95	24.45	0.79	5986	27.54	21.76	0.79	6106	26.44	20.89	0.79	6167	25.12	19.84	0.79	6290
	27	80.6	20	68.0	42.42	30.97	0.73	5415	39.45	28.80	0.73	5685	39.06	28.51	0.73	5742	32.22	23.52	0.73	5959	31.25	22.82	0.73	6001	27.82	20.31	0.73	6121	26.70	19.49	0.73	6182	25.37	18.52	0.73	6305
	27	80.6	22	71.6	43.14	26.32	0.61	5432	40.12	24.47	0.61	5702	39.72	24.23	0.61	5759	32.77	19.99	0.61	5976	31.79	19.39	0.61	6018	28.29	17.26	0.61	6138	27.16	16.57	0.61	6199	25.80	15.74	0.61	6322
	27	80.6	24	75.2	43.75	21.44	0.49	5452	40.68	19.93	0.49	5722	40.28	19.74	0.49	5779	33.23	16.28	0.49	5996	32.23	15.79	0.49	6038	28.69	14.06	0.49	6158	27.54	13.49	0.49	6219	26.16	12.82	0.49	6342
	27	80.6	26	78.8	44.45	16.44	0.37	5475	41.33	15.29	0.37	5745	40.92	15.14	0.37	5802	33.76	12.49	0.37	6019	32.75	12.12	0.37	6061	29.14	10.78	0.37	6181	27.98	10.35	0.37	6242	26.58	9.83	0.37	6365
	28	82.4	18	64.4	41.57	37.00	0.89	5444	38.66	34.41	0.89	5717	38.27	34.06	0.89	5774	31.58	28.10	0.89	5994	30.63	27.26	0.89	6036	27.26	24.26	0.89	6157	26.17	23.29	0.89	6218	24.86	22.13	0.89	6343
	28	82.4	20	68.0	42.42	32.66	0.77	5469	39.45	30.38	0.77	5742	39.06	30.07	0.77	5799	32.22	24.81	0.77	6019	31.25	24.07	0.77	6061	27.82	21.42	0.77	6182	26.70	20.56	0.77	6244	25.37	19.53	0.77	6368
	28	82.4	22	71.6	42.84	27.85	0.65	5486	39.85	25.90	0.65	5759	39.45	25.64	0.65	5816	32.54	21.15	0.65	6036	31.57	20.52	0.65	6078	28.09	18.26	0.65	6199	26.97	17.53	0.65	6261	25.62	16.65	0.65	6385
	28	82.4	24	75.2	43.57	23.09	0.53	5507	40.52	21.48	0.53	5779	40.12	21.26	0.53	5836	33.10	17.54	0.53	6056	32.10	17.02	0.53	6098	28.57	15.14	0.53	6219	27.43	14.54	0.53	6281	26.06	13.81	0.53	6405
	28	82.4	26	78.8	44.18	18.11	0.41	5530	41.09	16.85	0.41	5802	40.68	16.68	0.41	5860	33.56	13.76	0.41	6080	32.55	13.35	0.41	6122	28.97	11.88	0.41	6242	27.81	11.40	0.41	6304	26.42	10.83	0.41	6429
	29	84.2	18	64.4	41.99	38.21	0.91	5498	39.05	35.53	0.91	5774	38.66	35.18	0.91	5832	31.89	29.02	0.91	6054	30.94	28.15	0.91	6096	27.53	25.05	0.91	6218	26.43	24.05	0.91	6280	25.11	22.85	0.91	6406
	29	84.2	20	68.0	42.84	34.70	0.81	5524	39.85	32.27	0.81	5799	39.45	31.95	0.81	5857	32.54	26.36	0.81	6079	31.57	25.57	0.81	6122	28.09	22.76	0.81	6244	26.97	21.85	0.81	6306	25.62	20.75	0.81	6432
	29	84.2	22	71.6	43.70	30.15	0.69	5541	40.64	28.04	0.69	5817	40.24	27.76	0.69	5874	33.19	22.90	0.69	6096	32.20	22.22	0.69	6139	28.66	19.77	0.69	6261	27.51	18.98	0.69	6323	26.13	18.03	0.69	6449
	29	84.2	24	75.2	44.01	25.08	0.57	5562	40.93	23.33	0.57	5837	40.52	23.10	0.57	5895	33.43	19.05	0.57	6117	32.42	18.48	0.57	6159	28.86	16.45	0.57	6281	27.70	15.79	0.57	6344	26.32	15.00	0.57	6470
	29	84.2	26	78.8	44.62	20.08	0.45	5585	41.50	18.68	0.45	5860	41.09	18.49	0.45	5918	33.90	15.25	0.45	6140	32.88	14.80	0.45	6183	29.26	13.17	0.45	6305	28.09	12.64	0.45	6367	26.69	12.01	0.45	6493
	30	86.0	18	64.4	42.41	38.59	0.91	5553	39.44	35.89	0.91	5832	39.04	35.53	0.91	5890	32.21	29.31	0.91	6114	31.25	28.43	0.91	6157	27.81	25.31	0.91	6280	26.70	24.29	0.91	6343	25.36	23.08	0.91	6470
	30	86.0	20	68.0	43.27	36.78	0.85	5579	40.24	34.21	0.85	5857	39.84	33.86	0.85	5916	32.87	27.94	0.85	6140	31.88	27.10	0.85	6183	28.38	24.12	0.85	6306	27.24	23.15	0.85	6369	25.88	22.00	0.85	6496
	30	86.0	22	71.6	44.14	32.22	0.73	5597	41.05	29.97	0.73	5875	40.64	29.67	0.73	5933	33.53	24.47	0.73	6157	32.52	23.74	0.73	6200	28.94	21.13	0.73	6324	27.79	20.28	0.73	6387	26.40	19.27	0.73	6514
	30	86.0	24	75.2	44.45	27.11	0.61	5617	41.34	25.22	0.61	5895	40.92	24.96	0.61	5954	33.76	20.59	0.61	6178	32.75	19.98	0.61	6221	29.15	17.78	0.61	6344	27.98	17.07	0.61	6407	26.58	16.21	0.61	6534
	30	86.0	26	78.8	45.07	22.08	0.49	5641	41.92	20.54	0.49	5919	41.50	20.33	0.49	5977	34.23	16.77	0.49	6202	33.21	16.27	0.49	6245	29.55	14.48	0.49	6368	28.37	13.90	0.49	6431	26.95	13.21	0.49	6558
	31	87.8	18	64.4	42.83	38.98	0.91	5609	39.83	36.25	0.91	5890	39.43	35.89	0.91	5949	32.53	29.61	0.91	6175	31.56	28.72	0.91	6219	28.09	25.56	0.91	6343	26.96	24.54	0.91	6407	25.61	23.31	0.91	6535
	31	87.8	20	68.0	43.71	38.90	0.89	5635	40.65	36.17	0.89	5916	40.24	35.81	0.89	5975	33.20	29.55	0.89	6201	32.20	28.66	0.89	6245	28.66	25.51	0.89	6369	27.51	24.49	0.89	6433	26.14	23.26	0.89	6561
	31	87.8	22	71.6	44.58	34.33	0.77	5653	41.46	31.92	0.77	5934	41.04	31.60	0.77	5993	33.86	26.07	0.77	6219	32.85	25.29	0.77	6262	29.23	22.51	0.77	6387	28.06	21.61	0.77	6450	26.66	20.53	0.77	6579
	31	87.8	24	75.2	44.89	29.18	0.65	5673	41.75	27.14	0.65	5954	41.33	26.87	0.65	6013	34.10	22.16	0.65	6240	33.08	21.50	0.65	6283	29.44	19.13	0.65	6408	28.26	18.37	0.65	6471	26.85	17.45	0.65	6600
	31	87.8	26	78.8	45.52	24.13	0.53	5697	42.33	22.44	0.53	5978	41.91	22.21	0.53	6037	34.58	18.33	0.53	6264	33.54	17.78	0.53	6307	29.85	15.82	0.53	6432	28.66	15.19	0.53	6495	27.22	14.43	0.53	6623
	32	89.6	18	64.4	43.26	39.37	0.91	5665	40.23	36.61	0.91	5949	39.83	36.24	0.91	6008	32.86	29.90	0.91	6237	31.87	29.00	0.91	6281	28.37	25.81	0.91	6407	27.23	24.78	0.91	6471	25.87	23.54	0.91	6600
	32	89.6	20	68.0	44.14	40.17	0.91	5691	41.05	37.36	0.91	5975	40.64	36.98	0.91	6035	33.53	30.51	0.91	6263	32.52	29.60	0.91	6307	28.95	26.34	0.91	6433	27.79	25.29	0.91	6497	26.40	24.02	0.91	6627
	32	89.6	22	71.6	45.03	36.47	0.81	5709	41.87	33.92	0.81	5993	41.45	33.58	0.81	6052	34.20	27.70	0.81	6281	33.17	26.87	0.81	6325	29.53	23.92	0.81	6451	28.34	22.96	0.81	6515	26.93	21.81	0.81	6645
	32	89.6	24	75.2	45.34	31.29	0.69	5730	42.17	29.10	0.69	6014	41.75	28.80	0.69	6073	34.44	23.76	0.69	6302	33.41	23.05	0.69	6346	29.73	20.52	0.69	6472	28.54	19.69	0.69	6536	27.12	18.71	0.69	6666
	32	89.6	26	78.8	45.98	26.21	0.57	5754	42.76	24.37	0.57	6038	42.33	24.13	0.57	6098	34.92	19.91	0.57	6326	33.88	19.31	0.57	6370	30.15	17.18	0.57	6496	28.94	16.50	0.57	6560	27.50	15.67	0.57	6690

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																													
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
90%	21	69.8	18	64.4	39.84	24.31	0.61	3898	39.45	24.06	0.61	3933	39.02	23.80	0.61	3969	38.52	23.50	0.61	4001	38.14	23.26	0.61	4021	37.72	23.01	0.61	4154	37.20	22.69	0.61	4337	36.55	22.29	0.61	4629	35.69	21.77	0.61	4843
	21	69.8	20	68.0	41.49	20.33	0.49	3921	41.08	20.13	0.49	3957	40.63	19.91	0.49	3992	40.11	19.65	0.49	4024	39.71	19.46	0.49	4045	39.28	19.25	0.49	4178	38.74	18.98	0.49	4360	38.05	18.65	0.49	4653	37.16	18.21	0.49	4866
	22	71.6	18	64.4	41.08	26.70	0.65	3937	40.67	26.44	0.65	3973	40.23	26.15	0.65	4009	39.71	25.81	0.65	4041	39.32	25.56	0.65	4062	38.89	25.28	0.65	4196	38.35	24.93	0.65	4381	37.68	24.49	0.65	4676	36.79	23.92	0.65	4891
	22	71.6	20	68.0	42.33	22.44	0.53	3961	41.92	22.22	0.53	3997	41.46	21.97	0.53	4033	40.93	21.69	0.53	4065	40.52	21.48	0.53	4085	40.08	21.24	0.53	4220	39.53	20.95	0.53	4404	38.83	20.58	0.53	4700	37.92	20.10	0.53	4915
	22	71.6	22	71.6	43.05	17.65	0.41	3977	42.63	17.48	0.41	4013	42.16	17.29	0.41	4049	41.62	17.07	0.41	4081	41.21	16.90	0.41	4102	40.76	16.71	0.41	4236	40.20	16.48	0.41	4421	39.49	16.19	0.41	4716	38.56	15.81	0.41	4931
	23	73.4	18	64.4	41.92	28.92	0.69	3977	41.50	28.64	0.69	4013	41.05	28.32	0.69	4049	40.52	27.96	0.69	4082	40.12	27.68	0.69	4103	39.68	27.38	0.69	4239	39.14	27.00	0.69	4425	38.44	26.53	0.69	4723	37.54	25.90	0.69	4941
	23	73.4	20	68.0	43.20	24.62	0.57	4001	42.77	24.38	0.57	4037	42.31	24.11	0.57	4073	41.76	23.80	0.57	4106	41.35	23.57	0.57	4127	40.90	23.31	0.57	4263	40.33	22.99	0.57	4449	39.62	22.58	0.57	4747	38.69	22.05	0.57	4965
	23	73.4	22	71.6	43.93	19.77	0.45	4017	43.50	19.57	0.45	4053	43.02	19.36	0.45	4090	42.47	19.11	0.45	4122	42.05	18.92	0.45	4143	41.59	18.72	0.45	4279	41.02	18.46	0.45	4465	40.29	18.13	0.45	4763	39.35	17.71	0.45	4981
	24	75.2	18	64.4	42.77	31.22	0.73	4017	42.35	30.91	0.73	4053	41.89	30.58	0.73	4090	41.35	30.18	0.73	4123	40.94	29.89	0.73	4144	40.49	29.56	0.73	4281	39.94	29.15	0.73	4470	39.23	28.64	0.73	4771	38.31	27.97	0.73	4991
	24	75.2	20	68.0	44.08	26.89	0.61	4041	43.64	26.62	0.61	4078	43.17	26.33	0.61	4115	42.61	26.00	0.61	4148	42.19	25.74	0.61	4168	41.73	25.46	0.61	4306	41.16	25.11	0.61	4494	40.43	24.66	0.61	4795	39.48	24.08	0.61	5015
	24	75.2	22	71.6	44.83	21.97	0.49	4058	44.39	21.75	0.49	4094	43.90	21.51	0.49	4131	43.34	21.24	0.49	4164	42.91	21.03	0.49	4185	42.44	20.80	0.49	4322	41.86	20.51	0.49	4510	41.12	20.15	0.49	4812	40.15	19.68	0.49	5032
	24	75.2	24	75.2	45.46	16.82	0.37	4077	45.01	16.65	0.37	4114	44.52	16.47	0.37	4150	43.95	16.26	0.37	4184	43.51	16.10	0.37	4204	43.04	15.92	0.37	4342	42.44	15.70	0.37	4530	41.69	15.43	0.37	4831	40.72	15.06	0.37	5051
	25	77.0	18	64.4	44.09	33.95	0.77	4057	43.66	33.62	0.77	4094	43.18	33.25	0.77	4132	42.63	32.82	0.77	4165	42.21	32.50	0.77	4186	41.75	32.14	0.77	4325	41.17	31.70	0.77	4515	40.44	31.14	0.77	4819	39.49	30.41	0.77	5041
	25	77.0	20	68.0	45.44	29.54	0.65	4082	44.99	29.25	0.65	4119	44.50	28.93	0.65	4156	43.93	28.56	0.65	4190	43.50	28.27	0.65	4211	43.02	27.97	0.65	4349	42.43	27.58	0.65	4539	41.68	27.09	0.65	4843	40.70	26.46	0.65	5066
	25	77.0	22	71.6	46.22	24.49	0.53	4099	45.76	24.25	0.53	4136	45.26	23.99	0.53	4173	44.68	23.68	0.53	4206	44.24	23.45	0.53	4227	43.76	23.19	0.53	4366	43.15	22.87	0.53	4556	42.39	22.47	0.53	4860	41.40	21.94	0.53	5082
	25	77.0	24	75.2	46.86	19.21	0.41	4118	46.40	19.02	0.41	4155	45.89	18.82	0.41	4192	45.31	18.58	0.41	4226	44.86	18.39	0.41	4247	44.37	18.19	0.41	4385	43.76	17.94	0.41	4575	42.98	17.62	0.41	4880	41.97	17.21	0.41	5102
	26	78.8	18	64.4	45.46	36.82	0.81	4098	45.01	36.46	0.81	4136	44.52	36.06	0.81	4173	43.95	35.60	0.81	4207	43.51	35.24	0.81	4228	43.04	34.86	0.81	4368	42.44	34.38	0.81	4560	41.69	33.77	0.81	4868	40.72	32.98	0.81	5092
	26	78.8	20	68.0	46.85	32.33	0.69	4123	46.39	32.01	0.69	4160	45.88	31.66	0.69	4198	45.29	31.25	0.69	4232	44.84	30.94	0.69	4253	44.36	30.61	0.69	4393	43.74	30.18	0.69	4585	42.97	29.65	0.69	4892	41.96	28.95	0.69	5117
	26	78.8	22	71.6	47.65	27.16	0.57	4140	47.17	26.89	0.57	4177	46.66	26.60	0.57	4215	46.06	26.26	0.57	4249	45.61	26.00	0.57	4270	45.11	25.71	0.57	4410	44.49	25.36	0.57	4602	43.70	24.91	0.57	4909	42.68	24.33	0.57	5134
	26	78.8	24	75.2	48.31	21.74	0.45	4160	47.83	21.53	0.45	4197	47.31	21.29	0.45	4235	46.71	21.02	0.45	4268	46.24	20.81	0.45	4290	45.74	20.58	0.45	4430	45.11	20.30	0.45	4622	44.31	19.94	0.45	4929	43.27	19.47	0.45	5153
	26	78.8	26	78.8	49.09	16.20	0.33	4183	48.60	16.04	0.33	4220	48.07	15.86	0.33	4258	47.45	15.66	0.33	4291	46.98	15.50	0.33	4312	46.47	15.34	0.33	4453	45.83	15.12	0.33	4644	45.02	14.86	0.33	4952	43.97	14.51	0.33	5176
	27	80.6	18	64.4	46.39	39.43	0.85	4140	45.93	39.04	0.85	4177	45.43	38.61	0.85	4216	44.84	38.12	0.85	4250	44.40	37.74	0.85	4271	43.92	37.33	0.85	4413	43.31	36.81	0.85	4606	42.54	36.16	0.85	4917	41.55	35.31	0.85	5144
	27	80.6	19	66.2	47.33	37.39	0.79	4150	46.86	37.02	0.79	4187	46.35	36.62	0.79	4226	45.76	36.15	0.79	4260	45.31	35.79	0.79	4281	44.81	35.40	0.79	4423	44.19	34.91	0.79	4616	43.41	34.30	0.79	4927	42.39	33.49	0.79	5154
	27	80.6	20	68.0	47.81	34.90	0.73	4165	47.33	34.55	0.73	4202	46.82	34.18	0.73	4241	46.22	33.74	0.73	4275	45.76	33.40	0.73	4296	45.26	33.04	0.73	4438	44.64	32.58	0.73	4631	43.85	32.01	0.73	4942	42.82	31.26	0.73	5169
	27	80.6	22	71.6	48.62	29.66	0.61	4182	48.14	29.36	0.61	4219	47.61	29.04	0.61	4258	47.00	28.67	0.61	4292	46.54	28.39	0.61	4313	46.03	28.08	0.61	4455	45.39	27.69	0.61	4648	44.59	27.20	0.61	4959	43.55	26.56	0.61	5186
	27	80.6	24	75.2	49.30	24.16	0.49	4202	48.81	23.92	0.49	4239	48.28	23.66	0.49	4278	47.66	23.35	0.49	4312	47.19	23.12	0.49	4333	46.67	22.87	0.49	4475	46.03	22.55	0.49	4668	45.22	22.16	0.49	4979	44.16	21.64	0.49	5206
	27	80.6	26	78.8	50.09	18.53	0.37	4225	49.59	18.35	0.37	4262	49.05	18.15	0.37	4301	48.42	17.92	0.37	4335	47.94	17.74	0.37	4356	47.42	17.55	0.37	4498	46.77	17.30	0.37	4691	45.94	17.00	0.37	5002	44.86	16.60	0.37	5229
	28	82.4	18	64.4	46.85	41.70	0.89	4181	46.39	41.28	0.89	4219	45.88	40.83	0.89	4258	45.29	40.31	0.89	4292	44.84	39.91	0.89	4314	44.36	39.48	0.89	4457	43.74	38.93	0.89	4652	42.97	38.24	0.89	4966	41.96	37.35	0.89	5195
	28	82.4	20	68.0	47.81	36.81	0.77	4206	47.33	36.45	0.77	4245	46.82	36.05	0.77	4283	46.22	35.59	0.77	4317	45.76	35.23	0.77	4339	45.26	34.85	0.77	4482	44.64	34.37	0.77	4678	43.85	33.76	0.77	4991	42.82	32.97	0.77	5220
	28	82.4	22	71.6	48.28	31.38	0.65	4224	47.81	31.07	0.65	4262	47.28	30.74	0.65	4300	46.68	30.34	0.65	4335	46.22	30.04	0.65	4356	45.71	29.71	0.65	4499	45.08	29.30	0.65	4695	44.28	28.79	0.65	5008	43.25	28.11	0.65	5237
	28	82.4	24	75.2	49.10	26.03	0.53	4244	48.62	25.77	0.53	4282	48.09	25.49	0.53	4320	47.47	25.16	0.53	4355	47.00	24.91	0.53	4376	46.49	24.64	0.53	4519	45.85	24.30	0.53	4715	45.04	23.87	0.53	5029	43.98	23.31	0.53	5258
	28	82.4	26	78.8	49.79	20.41	0.41	4267	49.30	20.21	0.41	4305	48.76	19.99	0.41	4344	48.14	19.74	0.41	4378	47.66	19.54	0.41	4400	47.14	19.33	0.41	4542	46.49	19.06	0.41	4738	45.67	18.72	0.41	5052	44.60	18.29	0.41	5281
	29	84.2	18	64.4	47.32	43.06	0.91	4223	46.85	42.63	0.91	4261	46.34	42.17	0.91	4300	45.74	41.63	0.91	4335	45.29	41.22	0.91	4357	44.80	40.77	0.91	4501	44.18	40.20	0.91	4699	43.40	39.49	0.91	5016	42.38	38.57	0.91	5247
	29	84.2	20	68.0	48.28	39.11	0.81	4249	47.81	38.72	0.81	4287	47.28	38.30	0.81	4326	46.68	37.81	0.81	4361	46.22	37.43	0.81	4382	45.71	37.03	0.81	4527	45.08	36.52	0.81	4724	44.28	35.87	0.81	5041	43.25	35.03	0.81	5272
	29	84.2	22	71.6	49.25	33.98	0.69	4266	48.76	33.65	0.69	4304	48.23	33.28	0.69	4343	47.61	32.85	0.69	4378	47.14	32.53	0.69	4400	46.63	32.17	0.69	4544	45.98	31.73	0.69	4742	45.17	31.17	0.69	5058	44.11	30.44	0.69	5290
	29	84.2	24	75.2	49.59	28.27	0.57	4286	49.10	27.99	0.57	4325	48.57	27.68	0.57	4363	47.95	27.33	0.57	4398	47.47	27.06	0.57	4420	46.96	26.76	0.57	4564	46.31	26.39	0.57	4762	45.49	25.93	0.57	5079	44.42	25.32	0.57	5310
	29	84.2	26	78.8	50.29	22.63	0.45	4310	49.79	22.41	0.45	4348	49.25	22.16	0.45	4387	48.62	21.88	0.45	4422	48.14	21.66	0.45	4444	47.61	21.43	0.45	4588	46.96	21.13	0.45	4786	46.12	20.76	0.45	5102	45.04	20.27	0.45	5334
	30	86.0	18	64.4	47.79	43.49	0.91	4265	47.32	43.06	0.91	4304	46.80	42.59	0.91	4343	46.20	42.04	0.91	4378	45.74	41.63	0.91	4400	45.25	41.17	0.91	4546	44.62	40.61	0.91	4746	43.83	39.89	0.91	5066	42.81	38.95	0.91	5299
	30	86.0	20	68.0	48.77	41.45	0.85	4291	48.28	41.04	0.85	4330	47.76	40.59	0.85	4369	47.14	40.07	0.85	4404	46.68	39.68	0.85	4426	46.17	39.24	0.85	4572	45.53	38.70	0.85	4772	44.73	38.02	0.85	5092	43.68	37.13	0.85	5325
	30	86.0	22	71.6	49.74	36.31	0.73	4309	49.25	35.95	0.73	4347	48.71	35.56	0.73	4387	48.09	35.10	0.73	4422	47.61	34.76	0.73	4444	47.09	34.38	0.73	4589	46.44	33.90	0.73	4789	45.62	33.30	0.73	5109	44.55	32.52	0.73	5343
	30	86.0	24	75.2	50.09	30.56	0.61	4329	49.59	30.25	0.61	4368	49.06	29.92	0.61	4407	48.43	29.54	0.61	4442	47.95	29.25	0.61	4464	47.42	28.93	0.61	4610	46.77	28.53	0.61	4810	45.94	28.03	0.61	5130	44.87	27.37	0.61	5363
	30	86.0	26	78.8	50.79	24.89	0.49	4353	50.29	24.64	0.49	4392	49.74	24.37	0.49	4431	49.10	24.06	0.49	4466	48.62	23.82	0.49	4488	48.09	23.56	0.49	4634	47.42	23.24	0.49	4834	46.59	22.83	0.49	5153	45.49	22.29	0.49	5387
	31	87.8	18	64.4	48.27	43.92	0.91	4308	47.79	43.49	0.91	4347	47.27	43.02	0.91	4387	46.66	42.46	0.91	4422	46.20	42.04	0.91	4444	45.70	41.59	0.91	4592	45.07	41.01	0.91	4793	44.27	40.29	0.91	5116	43.23	39.34	0.91	5352
	31	87.8	20	68.0	49.25	43.84	0.89	4334	48.77	43.40	0.89	4373	48.24	42.93	0.89	4413	47.62	42.38	0.89	4448	47.14	41.96	0.89	4470	46.63	41.50	0.89	4618	45.99	40.93	0.89	4819	45.17	40.21	0.89	5142	44.12	39.26	0.89	5378
	31	87.8	22	71.6	50.24	38.68	0.77	4352	49.74	38.30	0.77	4391	49.20	37.88	0.77	4430	48.57	37.40	0.77	4466	48.09	37.03	0.77	4488	47.56	36.62	0.77	4635	46.91	36.12	0.77	4837	46.08	35.48	0.77	5160	45.00	34.65	0.77	5396
	31	87.8	24	75.2	50.59	32.88	0.65	4372	50.09	32.56	0.65	4412	49.55	32.20	0.65	4451	48.91	31.79	0.65	4487	48.43	31.48	0.65	4509	47.90	31.13	0.65	4656	47.24	30.70	0.65	4858	46.40	30.16	0.65	5181	45.31	29.45	0.65	5417
	31	87.8	26	78.8	51.30	27.19	0.53	4396	50.79	26.92	0.53	4436	50.24	26.63	0.53	4475	49.59	26.29	0.53	4511	49.10	26.03	0.53	4533	48.57	25.74	0.53	4680	47.90	25.39	0.53	4882	47.05	24.94	0.53	5205	45.95	24.35	0.53	5441
	32	89.6	18	64.4	48.75	44.36	0.91	4351	48.27	43.92	0.91	4391	47.74	43.45	0.91	4431	47.13	42.89	0.91	4466	46.66	42.46	0.91	4489	46.16	42.00	0.91	4638	45.52	41.42	0.91	4841	44.71	40.69	0.91	5168	43.67	39.74	0.91	5406
	32	89.6	20	68.0	49.75	45.27	0.91	4377	49.25	44.82	0.91	4417	48.72	44.33	0.91	4457	48.09	43.76	0.91	4493	47.62	43.33	0.91	4515	47.10	42.86	0.91	4664	46.45	42.27	0.91	4868	45.63	41.52	0.91	5194	44.56	40.55	0.91	5432
	32	89.6	22	71.6	50.74	41.10	0.81	4395	50.24	40.69	0.81	4435	49.69	40.25	0.81	4475	49.05	39.73	0.81	4511	48.57	39.34	0.81	4533	48.04	38.91	0.81	4682	47.38	38.38	0.81	4886	46.54	37.70	0.81	5212	45.45	36.81	0.81	5450
	32	89.6	24	75.2	51.10	35.26	0.69	4416	50.59	34.91	0.69	4456	50.04	34.53	0.69	4496	49.40	34.09	0.69	4532	48.91	33.75	0.69	4554	48.38	33.38	0.69	4703	47.71	32.92	0.69	4907	46.87	32.34	0.69	5233	45.77	31.58	0.69	5471
	32	89.6	26	78.8	51.81	29.53	0.57	4440	51.30	29.24	0.57	4480	50.74	28.92	0.57	4520	50.09	28.55	0.57	4556	49.59	28.27	0.57	4578	49.06	27.96	0.57	4727	48.38	27.58	0.57	4931	47.52	27.09	0.57	5257	46.41	26.45	0.57	5495

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
90%	21	69.8	18	64.4	34.65	21.14	0.61	5024	32.22	19.66	0.61	5275	31.90	19.46	0.61	5328	26.32	16.05	0.61	5531	25.53	15.57	0.61	5570	22.72	13.86	0.61	5681	21.81	13.31	0.61	5738	20.72	12.64	0.61	5853
	21	69.8	20	68.0	36.08	17.68	0.49	5047	33.55	16.44	0.49	5299	33.22	16.28	0.49	5352	27.40	13.43	0.49	5555	26.58	13.03	0.49	5593	23.66	11.59	0.49	5705	22.71	11.13	0.49	5762	21.58	10.57	0.49	5877
	22	71.6	18	64.4	35.72	23.22	0.65	5074	33.22	21.59	0.65	5329	32.89	21.38	0.65	5382	27.13	17.64	0.65	5587	26.32	17.11	0.65	5626	23.42	15.23	0.65	5739	22.49	14.62	0.65	5796	21.36	13.89	0.65	5912
	22	71.6	20	68.0	36.81	19.51	0.53	5098	34.24	18.15	0.53	5352	33.90	17.96	0.53	5406	27.96	14.82	0.53	5611	27.12	14.38	0.53	5650	24.14	12.79	0.53	5763	23.18	12.28	0.53	5820	22.02	11.67	0.53	5936
	22	71.6	22	71.6	37.44	15.35	0.41	5114	34.82	14.28	0.41	5369	34.47	14.13	0.41	5422	28.44	11.66	0.41	5627	27.59	11.31	0.41	5666	24.55	10.07	0.41	5779	23.57	9.66	0.41	5836	22.39	9.18	0.41	5952
	23	73.4	18	64.4	36.45	25.15	0.69	5126	33.90	23.39	0.69	5383	33.56	23.16	0.69	5436	27.69	19.10	0.69	5643	26.86	18.53	0.69	5683	23.90	16.49	0.69	5797	22.95	15.83	0.69	5855	21.80	15.04	0.69	5972
	23	73.4	20	68.0	37.57	21.41	0.57	5150	34.94	19.91	0.57	5407	34.59	19.71	0.57	5460	28.53	16.26	0.57	5667	27.68	15.78	0.57	5707	24.63	14.04	0.57	5821	23.65	13.48	0.57	5879	22.47	12.81	0.57	5996
	23	73.4	22	71.6	38.20	17.19	0.45	5166	35.53	15.99	0.45	5423	35.17	15.83	0.45	5477	29.02	13.06	0.45	5684	28.15	12.67	0.45	5723	25.05	11.27	0.45	5837	24.05	10.82	0.45	5895	22.85	10.28	0.45	6012
	24	75.2	18	64.4	37.19	27.15	0.73	5178	34.59	25.25	0.73	5437	34.24	25.00	0.73	5491	28.25	20.62	0.73	5700	27.40	20.00	0.73	5740	24.39	17.80	0.73	5855	23.41	17.09	0.73	5914	22.24	16.24	0.73	6032
	24	75.2	20	68.0	38.33	23.38	0.61	5202	35.65	21.75	0.61	5461	35.29	21.53	0.61	5516	29.12	17.76	0.61	5725	28.24	17.23	0.61	5765	25.14	15.33	0.61	5880	24.13	14.72	0.61	5938	22.92	13.98	0.61	6057
	24	75.2	22	71.6	38.98	19.10	0.49	5218	36.26	17.77	0.49	5478	35.89	17.59	0.49	5532	29.61	14.51	0.49	5741	28.72	14.07	0.49	5781	25.56	12.53	0.49	5896	24.54	12.03	0.49	5955	23.31	11.42	0.49	6073
	24	75.2	24	75.2	39.53	14.63	0.37	5238	36.76	13.60	0.37	5497	36.40	13.47	0.37	5552	30.03	11.11	0.37	5761	29.13	10.78	0.37	5801	25.92	9.59	0.37	5916	24.88	9.21	0.37	5974	23.64	8.75	0.37	6093
	25	77.0	18	64.4	38.34	29.53	0.77	5230	35.66	27.46	0.77	5492	35.30	27.18	0.77	5547	29.13	22.43	0.77	5758	28.25	21.75	0.77	5798	25.14	19.36	0.77	5914	24.14	18.59	0.77	5974	22.93	17.66	0.77	6093
	25	77.0	20	68.0	39.52	25.69	0.65	5254	36.75	23.89	0.65	5516	36.38	23.65	0.65	5571	30.02	19.51	0.65	5782	29.12	18.93	0.65	5823	25.91	16.84	0.65	5939	24.88	16.17	0.65	5998	23.63	15.36	0.65	6118
	25	77.0	22	71.6	40.19	21.30	0.53	5271	37.38	19.81	0.53	5533	37.00	19.61	0.53	5588	30.53	16.18	0.53	5799	29.61	15.69	0.53	5840	26.35	13.97	0.53	5956	25.30	13.41	0.53	6015	24.04	12.74	0.53	6135
	25	77.0	24	75.2	40.75	16.71	0.41	5291	37.90	15.54	0.41	5553	37.52	15.38	0.41	5608	30.95	12.69	0.41	5819	30.03	12.31	0.41	5859	26.72	10.96	0.41	5975	25.65	10.52	0.41	6035	24.37	9.99	0.41	6154
	26	78.8	18	64.4	39.53	32.02	0.81	5283	36.76	29.78	0.81	5547	36.40	29.48	0.81	5603	30.03	24.32	0.81	5816	29.13	23.59	0.81	5857	25.92	21.00	0.81	5974	24.88	20.16	0.81	6034	23.64	19.15	0.81	6155
	26	78.8	20	68.0	40.74	28.11	0.69	5307	37.89	26.14	0.69	5572	37.51	25.88	0.69	5628	30.95	21.35	0.69	5841	30.02	20.71	0.69	5882	26.72	18.43	0.69	5999	25.65	17.70	0.69	6059	24.36	16.81	0.69	6180
	26	78.8	22	71.6	41.43	23.62	0.57	5324	38.53	21.96	0.57	5589	38.15	21.74	0.57	5644	31.47	17.94	0.57	5858	30.53	17.40	0.57	5898	27.17	15.49	0.57	6016	26.08	14.87	0.57	6076	24.78	14.12	0.57	6197
	26	78.8	24	75.2	42.01	18.91	0.45	5344	39.07	17.58	0.45	5609	38.68	17.41	0.45	5664	31.91	14.36	0.45	5878	30.95	13.93	0.45	5918	27.55	12.40	0.45	6036	26.45	11.90	0.45	6095	25.13	11.31	0.45	6216
	26	78.8	26	78.8	42.69	14.09	0.33	5367	39.70	13.10	0.33	5631	39.30	12.97	0.33	5687	32.42	10.70	0.33	5900	31.45	10.38	0.33	5941	27.99	9.24	0.33	6058	26.87	8.87	0.33	6118	25.53	8.42	0.33	6239
	27	80.6	18	64.4	40.34	34.29	0.85	5336	37.51	31.89	0.85	5603	37.14	31.57	0.85	5659	30.64	26.04	0.85	5875	29.72	25.26	0.85	5916	26.45	22.48	0.85	6035	25.39	21.58	0.85	6095	24.12	20.50	0.85	6217
	27	80.6	19	66.2	41.16	32.52	0.79	5346	38.28	30.24	0.79	5613	37.90	29.94	0.79	5669	31.26	24.70	0.79	5885	30.33	23.96	0.79	5926	26.99	21.32	0.79	6045	25.91	20.47	0.79	6105	24.62	19.45	0.79	6227
	27	80.6	20	68.0	41.57	30.35	0.73	5361	38.66	28.22	0.73	5628	38.27	27.94	0.73	5684	31.58	23.05	0.73	5900	30.63	22.36	0.73	5941	27.26	19.90	0.73	6060	26.17	19.10	0.73	6120	24.86	18.15	0.73	6242
	27	80.6	22	71.6	42.28	25.79	0.61	5378	39.32	23.98	0.61	5645	38.93	23.74	0.61	5701	32.11	19.59	0.61	5917	31.15	19.00	0.61	5958	27.72	16.91	0.61	6077	26.61	16.24	0.61	6137	25.28	15.42	0.61	6259
	27	80.6	24	75.2	42.87	21.01	0.49	5398	39.87	19.54	0.49	5665	39.47	19.34	0.49	5721	32.56	15.96	0.49	5937	31.59	15.48	0.49	5978	28.11	13.77	0.49	6097	26.99	13.22	0.49	6157	25.64	12.56	0.49	6279
	27	80.6	26	78.8	43.56	16.12	0.37	5421	40.51	14.99	0.37	5688	40.10	14.84	0.37	5744	33.08	12.24	0.37	5960	32.09	11.87	0.37	6001	28.56	10.57	0.37	6120	27.42	10.15	0.37	6180	26.05	9.64	0.37	6302
	28	82.4	18	64.4	40.74	36.26	0.89	5389	37.89	33.72	0.89	5659	37.51	33.38	0.89	5716	30.95	27.54	0.89	5934	30.02	26.72	0.89	5975	26.72	23.78	0.89	6095	25.65	22.83	0.89	6156	24.36	21.68	0.89	6279
	28	82.4	20	68.0	41.57	32.01	0.77	5415	38.66	29.77	0.77	5685	38.27	29.47	0.77	5741	31.58	24.31	0.77	5959	30.63	23.58	0.77	6000	27.26	20.99	0.77	6120	26.17	20.15	0.77	6181	24.86	19.14	0.77	6305
	28	82.4	22	71.6	41.99	27.29	0.65	5432	39.05	25.38	0.65	5702	38.66	25.13	0.65	5758	31.89	20.73	0.65	5976	30.94	20.11	0.65	6018	27.53	17.90	0.65	6137	26.43	17.18	0.65	6198	25.11	16.32	0.65	6322
	28	82.4	24	75.2	42.70	22.63	0.53	5452	39.71	21.05	0.53	5722	39.31	20.84	0.53	5779	32.43	17.19	0.53	5996	31.46	16.67	0.53	6038	28.00	14.84	0.53	6158	26.88	14.25	0.53	6219	25.54	13.53	0.53	6342
	28	82.4	26	78.8	43.30	17.75	0.41	5475	40.27	16.51	0.41	5745	39.87	16.34	0.41	5802	32.89	13.48	0.41	6019	31.90	13.08	0.41	6061	28.39	11.64	0.41	6181	27.26	11.18	0.41	6242	25.89	10.62	0.41	6365
	29	84.2	18	64.4	41.15	37.44	0.91	5443	38.27	34.82	0.91	5716	37.88	34.47	0.91	5773	31.25	28.44	0.91	5993	30.32	27.59	0.91	6035	26.98	24.55	0.91	6156	25.90	23.57	0.91	6218	24.61	22.39	0.91	6342
	29	84.2	20	68.0	41.99	34.01	0.81	5469	39.05	31.63	0.81	5741	38.66	31.31	0.81	5799	31.89	25.83	0.81	6018	30.94	25.06	0.81	6060	27.53	22.30	0.81	6181	26.43	21.41	0.81	6243	25.11	20.34	0.81	6368
	29	84.2	22	71.6	42.83	29.55	0.69	5486	39.83	27.48	0.69	5759	39.43	27.21	0.69	5816	32.53	22.45	0.69	6036	31.55	21.77	0.69	6078	28.08	19.38	0.69	6199	26.96	18.60	0.69	6260	25.61	17.67	0.69	6385
	29	84.2	24	75.2	43.13	24.58	0.57	5506	40.11	22.86	0.57	5779	39.71	22.63	0.57	5836	32.76	18.67	0.57	6056	31.78	18.11	0.57	6098	28.28	16.12	0.57	6219	27.15	15.48	0.57	6281	25.79	14.70	0.57	6405
	29	84.2	26	78.8	43.73	19.68	0.45	5530	40.67	18.30	0.45	5803	40.26	18.12	0.45	5860	33.22	14.95	0.45	6080	32.22	14.50	0.45	6122	28.68	12.90	0.45	6243	27.53	12.39	0.45	6304	26.15	11.77	0.45	6429
	30	86.0	18	64.4	41.56	37.82	0.91	5498	38.65	35.17	0.91	5773	38.26	34.82	0.91	5831	31.57	28.73	0.91	6053	30.62	27.86	0.91	6095	27.25	24.80	0.91	6217	26.16	23.81	0.91	6280	24.85	22.62	0.91	6406
	30	86.0	20	68.0	42.41	36.05	0.85	5523	39.44	33.52	0.85	5799	39.04	33.19	0.85	5857	32.21	27.38	0.85	6079	31.25	26.56	0.85	6121	27.81	23.64	0.85	6243	26.70	22.69	0.85	6305	25.36	21.56	0.85	6431
	30	86.0	22	71.6	43.26	31.58	0.73	5541	40.23	29.37	0.73	5816	39.83	29.07	0.73	5874	32.86	23.98	0.73	6096	31.87	23.27	0.73	6139	28.36	20.71	0.73	6261	27.23	19.88	0.73	6323	25.87	18.88	0.73	6449
	30	86.0	24	75.2	43.56	26.57	0.61	5562	40.51	24.71	0.61	5837	40.11	24.46	0.61	5895	33.09	20.18	0.61	6117	32.09	19.58	0.61	6159	28.56	17.42	0.61	6281	27.42	16.73	0.61	6344	26.05	15.89	0.61	6469
	30	86.0	26	78.8	44.17	21.64	0.49	5585	41.08	20.13	0.49	5861	40.67	19.93	0.49	5918	33.55	16.44	0.49	6140	32.54	15.95	0.49	6183	28.96	14.19	0.49	6305	27.81	13.62	0.49	6367	26.41	12.94	0.49	6493
	31	87.8	18	64.4	41.97	38.20	0.91	5553	39.04	35.52	0.91	5831	38.65	35.17	0.91	5889	31.88	29.01	0.91	6113	30.93	28.14	0.91	6156	27.52	25.05	0.91	6280	26.42	24.05	0.91	6343	25.10	22.84	0.91	6470
	31	87.8	20	68.0	42.83	38.12	0.89	5579	39.83	35.45	0.89	5857	39.43	35.10	0.89	5915	32.53	28.95	0.89	6139	31.56	28.09	0.89	6182	28.09	25.00	0.89	6306	26.96	24.00	0.89	6369	25.61	22.80	0.89	6496
	31	87.8	22	71.6	43.69	33.64	0.77	5596	40.63	31.28	0.77	5875	40.22	30.97	0.77	5933	33.18	25.55	0.77	6157	32.19	24.79	0.77	6200	28.65	22.06	0.77	6323	27.50	21.18	0.77	6386	26.13	20.12	0.77	6513
	31	87.8	24	75.2	43.99	28.60	0.65	5617	40.92	26.59	0.65	5895	40.51	26.33	0.65	5954	33.42	21.72	0.65	6178	32.42	21.07	0.65	6221	28.85	18.75	0.65	6344	27.70	18.00	0.65	6407	26.31	17.10	0.65	6534
	31	87.8	26	78.8	44.61	23.64	0.53	5641	41.49	21.99	0.53	5919	41.07	21.77	0.53	5978	33.89	17.96	0.53	6202	32.87	17.42	0.53	6245	29.25	15.50	0.53	6368	28.08	14.88	0.53	6431	26.68	14.14	0.53	6558
	32	89.6	18	64.4	42.39	38.58	0.91	5608	39.43	35.88	0.91	5889	39.03	35.52	0.91	5948	32.20	29.30	0.91	6175	31.24	28.42	0.91	6218	27.80	25.30	0.91	6342	26.69	24.29	0.91	6406	25.35	23.07	0.91	6534
	32	89.6	20	68.0	43.26	39.37	0.91	5634	40.23	36.61	0.91	5915	39.83	36.24	0.91	5974	32.86	29.90	0.91	6201	31.87	29.00	0.91	6244	28.37	25.81	0.91	6369	27.23	24.78	0.91	6432	25.87	23.54	0.91	6561
	32	89.6	22	71.6	44.12	35.74	0.81	5652	41.04	33.24	0.81	5933	40.63	32.91	0.81	5992	33.52	27.15	0.81	6219	32.51	26.33	0.81	6262	28.93	23.44	0.81	6387	27.78	22.50	0.81	6450	26.39	21.37	0.81	6578
	32	89.6	24	75.2	44.43	30.66	0.69	5673	41.32	28.51	0.69	5954	40.91	28.23	0.69	6013	33.75	23.29	0.69	6240	32.74	22.59	0.69	6283	29.14	20.11	0.69	6408	27.97	19.30	0.69	6471	26.57	18.34	0.69	6599
	32	89.6	26	78.8	45.06	25.68	0.57	5698	41.90	23.88	0.57	5978	41.48	23.65	0.57	6037	34.22	19.51	0.57	6264	33.20	18.92	0.57	6307	29.55	16.84	0.57	6432	28.36	16.17	0.57	6495	26.95	15.36	0.57	6624

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																															
					-15(5F)				-7(19.4F)				0(32F)				10(50F)				15(59F)				21(69.8F)				25(77F)				27(80.6F)				30(86F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
80%	21	69.8	18	64.4	38.63	23.56	0.61	3858	38.24	23.33	0.61	3893	37.83	23.07	0.61	3929	37.34	22.78	0.61	3960	36.97	22.55	0.61	3980	36.57	22.31	0.61	4112	36.06	22.00	0.61	4293	35.43	21.61	0.61	4582	34.60	21.10	0.61	4794
	21	69.8	20	68.0	40.22	19.71	0.49	3882	39.82	19.51	0.49	3917	39.39	19.30	0.49	3952	38.88	19.05	0.49	3984	38.50	18.86	0.49	4004	38.08	18.66	0.49	4136	37.55	18.40	0.49	4316	36.89	18.07	0.49	4606	36.02	17.65	0.49	4817
	22	71.6	18	64.4	39.82	25.88	0.65	3897	39.43	25.63	0.65	3933	39.00	25.35	0.65	3968	38.50	25.02	0.65	4000	38.11	24.77	0.65	4021	37.70	24.51	0.65	4154	37.18	24.17	0.65	4336	36.52	23.74	0.65	4628	35.67	23.18	0.65	4842
	22	71.6	20	68.0	41.04	21.75	0.53	3921	40.63	21.54	0.53	3956	40.19	21.30	0.53	3992	39.67	21.03	0.53	4024	39.28	20.82	0.53	4044	38.85	20.59	0.53	4178	38.32	20.31	0.53	4360	37.64	19.95	0.53	4652	36.76	19.48	0.53	4866
	22	71.6	22	71.6	41.74	17.11	0.41	3937	41.32	16.94	0.41	3972	40.87	16.76	0.41	4008	40.35	16.54	0.41	4040	39.95	16.38	0.41	4060	39.51	16.20	0.41	4194	38.97	15.98	0.41	4376	38.28	15.69	0.41	4668	37.38	15.33	0.41	4882
	23	73.4	18	64.4	40.63	28.04	0.69	3936	40.23	27.76	0.69	3972	39.79	27.46	0.69	4008	39.28	27.10	0.69	4041	38.89	26.84	0.69	4061	38.47	26.54	0.69	4196	37.94	26.18	0.69	4380	37.27	25.71	0.69	4675	36.39	25.11	0.69	4891
	23	73.4	20	68.0	41.88	23.87	0.57	3960	41.46	23.63	0.57	3996	41.01	23.38	0.57	4032	40.48	23.08	0.57	4065	40.08	22.85	0.57	4085	39.65	22.60	0.57	4220	39.10	22.29	0.57	4404	38.41	21.89	0.57	4699	37.51	21.38	0.57	4915
	23	73.4	22	71.6	42.59	19.16	0.45	3977	42.17	18.97	0.45	4013	41.71	18.77	0.45	4049	41.17	18.53	0.45	4081	40.76	18.34	0.45	4102	40.32	18.14	0.45	4236	39.76	17.89	0.45	4420	39.06	17.58	0.45	4716	38.15	17.17	0.45	4931
	24	75.2	18	64.4	41.46	30.27	0.73	3976	41.05	29.97	0.73	4012	40.60	29.64	0.73	4049	40.08	29.26	0.73	4082	39.69	28.97	0.73	4102	39.25	28.66	0.73	4238	38.71	28.26	0.73	4424	38.03	27.76	0.73	4722	37.14	27.11	0.73	4940
	24	75.2	20	68.0	42.73	26.07	0.61	4000	42.31	25.81	0.61	4037	41.85	25.53	0.61	4073	41.31	25.20	0.61	4106	40.90	24.95	0.61	4126	40.46	24.68	0.61	4262	39.90	24.34	0.61	4449	39.19	23.91	0.61	4747	38.27	23.35	0.61	4965
	24	75.2	22	71.6	43.46	21.29	0.49	4017	43.03	21.08	0.49	4053	42.56	20.85	0.49	4090	42.01	20.59	0.49	4122	41.60	20.38	0.49	4143	41.14	20.16	0.49	4279	40.58	19.88	0.49	4465	39.86	19.53	0.49	4763	38.92	19.07	0.49	4981
	24	75.2	24	75.2	44.07	16.30	0.37	4036	43.63	16.14	0.37	4073	43.15	15.97	0.37	4109	42.60	15.76	0.37	4142	42.18	15.61	0.37	4162	41.72	15.44	0.37	4298	41.14	15.22	0.37	4484	40.42	14.95	0.37	4783	39.47	14.60	0.37	5000
	25	77.0	18	64.4	42.74	32.91	0.77	4016	42.32	32.59	0.77	4053	41.86	32.23	0.77	4090	41.32	31.82	0.77	4123	40.91	31.50	0.77	4144	40.47	31.16	0.77	4281	39.91	30.73	0.77	4469	39.20	30.19	0.77	4770	38.29	29.48	0.77	4990
	25	77.0	20	68.0	44.05	28.63	0.65	4041	43.62	28.35	0.65	4077	43.14	28.04	0.65	4114	42.59	27.68	0.65	4147	42.17	27.41	0.65	4168	41.71	27.11	0.65	4305	41.13	26.74	0.65	4494	40.40	26.26	0.65	4795	39.46	25.65	0.65	5015
	25	77.0	22	71.6	44.80	23.74	0.53	4057	44.36	23.51	0.53	4094	43.88	23.25	0.53	4131	43.31	22.96	0.53	4164	42.88	22.73	0.53	4185	42.42	22.48	0.53	4322	41.83	22.17	0.53	4510	41.09	21.78	0.53	4811	40.13	21.27	0.53	5031
	25	77.0	24	75.2	45.43	18.63	0.41	4077	44.98	18.44	0.41	4114	44.49	18.24	0.41	4151	43.92	18.01	0.41	4184	43.48	17.83	0.41	4204	43.01	17.63	0.41	4342	42.42	17.39	0.41	4530	41.67	17.08	0.41	4831	40.69	16.68	0.41	5051
	26	78.8	18	64.4	44.07	35.69	0.81	4057	43.63	35.34	0.81	4094	43.15	34.96	0.81	4131	42.60	34.51	0.81	4164	42.18	34.17	0.81	4185	41.72	33.79	0.81	4324	41.14	33.33	0.81	4514	40.42	32.74	0.81	4818	39.47	31.97	0.81	5041
	26	78.8	20	68.0	45.41	31.34	0.69	4082	44.97	31.03	0.69	4119	44.48	30.69	0.69	4156	43.91	30.29	0.69	4189	43.47	29.99	0.69	4210	43.00	29.67	0.69	4349	42.40	29.26	0.69	4539	41.65	28.74	0.69	4843	40.68	28.07	0.69	5065
	26	78.8	22	71.6	46.19	26.33	0.57	4098	45.73	26.07	0.57	4135	45.23	25.78	0.57	4173	44.65	25.45	0.57	4206	44.21	25.20	0.57	4227	43.73	24.93	0.57	4366	43.12	24.58	0.57	4556	42.36	24.15	0.57	4860	41.37	23.58	0.57	5082
	26	78.8	24	75.2	46.83	21.08	0.45	4118	46.37	20.87	0.45	4155	45.87	20.64	0.45	4192	45.28	20.37	0.45	4226	44.83	20.17	0.45	4247	44.34	19.95	0.45	4386	43.73	19.68	0.45	4576	42.96	19.33	0.45	4880	41.95	18.88	0.45	5102
	26	78.8	26	78.8	47.58	15.70	0.33	4141	47.11	15.55	0.33	4178	46.60	15.38	0.33	4215	46.00	15.18	0.33	4249	45.55	15.03	0.33	4270	45.05	14.87	0.33	4408	44.43	14.66	0.33	4598	43.64	14.40	0.33	4903	42.62	14.06	0.33	5125
	27	80.6	18	64.4	44.97	38.22	0.85	4098	44.52	37.84	0.85	4135	44.04	37.43	0.85	4173	43.47	36.95	0.85	4207	43.04	36.58	0.85	4228	42.57	36.19	0.85	4368	41.98	35.69	0.85	4560	41.24	35.06	0.85	4867	40.28	34.23	0.85	5091
	27	80.6	19	66.2	45.88	36.25	0.79	4108	45.43	35.89	0.79	4145	44.93	35.50	0.79	4183	44.36	35.04	0.79	4217	43.92	34.70	0.79	4238	43.44	34.32	0.79	4378	42.84	33.84	0.79	4570	42.08	33.25	0.79	4877	41.10	32.47	0.79	5101
	27	80.6	20	68.0	46.34	33.83	0.73	4123	45.88	33.49	0.73	4160	45.38	33.13	0.73	4198	44.80	32.70	0.73	4232	44.36	32.38	0.73	4253	43.88	32.03	0.73	4393	43.27	31.59	0.73	4585	42.50	31.03	0.73	4892	41.51	30.30	0.73	5116
	27	80.6	22	71.6	47.13	28.75	0.61	4140	46.66	28.46	0.61	4177	46.16	28.15	0.61	4215	45.56	27.79	0.61	4249	45.11	27.52	0.61	4270	44.62	27.22	0.61	4410	44.00	26.84	0.61	4602	43.23	26.37	0.61	4909	42.21	25.75	0.61	5133
	27	80.6	24	75.2	47.79	23.42	0.49	4160	47.32	23.18	0.49	4197	46.80	22.93	0.49	4235	46.20	22.64	0.49	4269	45.74	22.41	0.49	4290	45.25	22.17	0.49	4430	44.62	21.86	0.49	4622	43.83	21.48	0.49	4929	42.80	20.97	0.49	5153
	27	80.6	26	78.8	48.55	17.96	0.37	4183	48.07	17.79	0.37	4220	47.55	17.59	0.37	4258	46.94	17.37	0.37	4292	46.48	17.20	0.37	4313	45.97	17.01	0.37	4453	45.33	16.77	0.37	4645	44.53	16.48	0.37	4952	43.49	16.09	0.37	5176
	28	82.4	18	64.4	45.41	40.42	0.89	4139	44.97	40.02	0.89	4177	44.48	39.58	0.89	4215	43.91	39.08	0.89	4249	43.47	38.69	0.89	4270	43.00	38.27	0.89	4412	42.40	37.74	0.89	4605	41.65	37.07	0.89	4916	40.68	36.20	0.89	5142
	28	82.4	20	68.0	46.34	35.68	0.77	4164	45.88	35.33	0.77	4202	45.38	34.95	0.77	4240	44.80	34.50	0.77	4274	44.36	34.16	0.77	4295	43.88	33.78	0.77	4437	43.27	33.32	0.77	4631	42.50	32.73	0.77	4941	41.51	31.96	0.77	5168
	28	82.4	22	71.6	46.81	30.42	0.65	4181	46.34	30.12	0.65	4219	45.84	29.79	0.65	4257	45.25	29.41	0.65	4291	44.80	29.12	0.65	4312	44.31	28.80	0.65	4454	43.70	28.41	0.65	4648	42.93	27.90	0.65	4958	41.92	27.25	0.65	5185
	28	82.4	24	75.2	47.60	25.23	0.53	4201	47.13	24.98	0.53	4239	46.62	24.71	0.53	4277	46.02	24.39	0.53	4311	45.56	24.15	0.53	4333	45.07	23.89	0.53	4474	44.44	23.56	0.53	4668	43.66	23.14	0.53	4978	42.64	22.60	0.53	5205
	28	82.4	26	78.8	48.27	19.79	0.41	4225	47.79	19.59	0.41	4262	47.27	19.38	0.41	4300	46.66	19.13	0.41	4334	46.20	18.94	0.41	4356	45.70	18.74	0.41	4497	45.07	18.48	0.41	4691	44.27	18.15	0.41	5002	43.23	17.73	0.41	5228
	29	84.2	18	64.4	45.87	41.74	0.91	4180	45.41	41.33	0.91	4218	44.92	40.88	0.91	4257	44.34	40.35	0.91	4291	43.91	39.95	0.91	4313	43.43	39.52	0.91	4456	42.83	38.97	0.91	4651	42.07	38.28	0.91	4965	41.08	37.39	0.91	5194
	29	84.2	20	68.0	46.81	37.91	0.81	4206	46.34	37.54	0.81	4244	45.84	37.13	0.81	4282	45.25	36.65	0.81	4317	44.80	36.29	0.81	4338	44.31	35.89	0.81	4481	43.70	35.40	0.81	4677	42.93	34.77	0.81	4990	41.92	33.96	0.81	5219
	29	84.2	22	71.6	47.74	32.94	0.69	4223	47.27	32.62	0.69	4261	46.75	32.26	0.69	4300	46.15	31.85	0.69	4334	45.70	31.53	0.69	4356	45.20	31.19	0.69	4498	44.58	30.76	0.69	4694	43.79	30.21	0.69	5008	42.76	29.51	0.69	5237
	29	84.2	24	75.2	48.08	27.40	0.57	4243	47.60	27.13	0.57	4282	47.08	26.84	0.57	4320	46.48	26.49	0.57	4354	46.02	26.23	0.57	4376	45.52	25.95	0.57	4519	44.89	25.59	0.57	4715	44.10	25.13	0.57	5028	43.06	24.55	0.57	5257
	29	84.2	26	78.8	48.75	21.94	0.45	4267	48.27	21.72	0.45	4305	47.74	21.48	0.45	4343	47.13	21.21	0.45	4378	46.66	21.00	0.45	4399	46.16	20.77	0.45	4542	45.52	20.48	0.45	4738	44.71	20.12	0.45	5052	43.66	19.65	0.45	5281
	30	86.0	18	64.4	46.33	42.16	0.91	4222	45.87	41.74	0.91	4260	45.37	41.29	0.91	4299	44.79	40.76	0.91	4334	44.34	40.35	0.91	4356	43.86	39.91	0.91	4500	43.26	39.36	0.91	4698	42.49	38.67	0.91	5014	41.50	37.76	0.91	5246
	30	86.0	20	68.0	47.27	40.18	0.85	4248	46.81	39.78	0.85	4286	46.30	39.35	0.85	4325	45.70	38.85	0.85	4360	45.25	38.46	0.85	4382	44.76	38.04	0.85	4526	44.14	37.52	0.85	4724	43.36	36.85	0.85	5040	42.34	35.99	0.85	5272
	30	86.0	22	71.6	48.22	35.20	0.73	4265	47.74	34.85	0.73	4304	47.22	34.47	0.73	4343	46.62	34.03	0.73	4377	46.15	33.69	0.73	4399	45.65	33.33	0.73	4543	45.02	32.87	0.73	4741	44.23	32.28	0.73	5058	43.19	31.53	0.73	5289
	30	86.0	24	75.2	48.56	29.62	0.61	4286	48.08	29.33	0.61	4324	47.55	29.01	0.61	4363	46.94	28.64	0.61	4398	46.48	28.35	0.61	4420	45.97	28.04	0.61	4564	45.34	27.66	0.61	4762	44.54	27.17	0.61	5078	43.49	26.53	0.61	5310
	30	86.0	26	78.8	49.24	24.13	0.49	4310	48.75	23.89	0.49	4348	48.22	23.63	0.49	4387	47.60	23.32	0.49	4422	47.13	23.09	0.49	4443	46.62	22.84	0.49	4588	45.97	22.53	0.49	4786	45.16	22.13	0.49	5102	44.10	21.61	0.49	5333
	31	87.8	18	64.4	46.79	42.58	0.91	4264	46.33	42.16	0.91	4303	45.82	41.70	0.91	4342	45.24	41.16	0.91	4377	44.79	40.76	0.91	4399	44.30	40.31	0.91	4545	43.69	39.76	0.91	4745	42.92	39.05	0.91	5065	41.91	38.14	0.91	5298
	31	87.8	20	68.0	47.75	42.49	0.89	4290	47.27	42.07	0.89	4329	46.76	41.62	0.89	4368	46.16	41.08	0.89	4403	45.70	40.67	0.89	4425	45.20	40.23	0.89	4571	44.58	39.68	0.89	4771	43.79	38.97	0.89	5091	42.77	38.06	0.89	5324
	31	87.8	22	71.6	48.70	37.50	0.77	4308	48.22	37.13	0.77	4347	47.69	36.72	0.77	4386	47.08	36.25	0.77	4421	46.62	35.89	0.77	4443	46.11	35.50	0.77	4589	45.47	35.01	0.77	4789	44.67	34.39	0.77	5108	43.62	33.59	0.77	5342
	31	87.8	24	75.2	49.04	31.88	0.65	4329	48.56	31.56	0.65	4368	48.03	31.22	0.65	4407	47.41	30.82	0.65	4442	46.94	30.51	0.65	4464	46.43	30.18	0.65	4610	45.79	29.76	0.65	4809	44.98	29.24	0.65	5129	43.93	28.55	0.65	5363
	31	87.8	26	78.8	49.73	26.36	0.53	4353	49.24	26.10	0.53	4392	48.70	25.81	0.53	4431	48.08	25.48	0.53	4466	47.60	25.23	0.53	4488	47.08	24.95	0.53	4634	46.43	24.61	0.53	4833	45.61	24.17	0.53	5153	44.54	23.61	0.53	5387
	32	89.6	18	64.4	47.26	43.01	0.91	4307	46.79	42.58	0.91	4346	46.28	42.12	0.91	4386	45.69	41.58	0.91	4421	45.24	41.16	0.91	4443	44.74	40.72	0.91	4591	44.13	40.15	0.91	4792	43.35	39.44	0.91	5115	42.33	38.52	0.91	5351
	32	89.6	20	68.0	48.22	43.88	0.91	4333	47.75	43.45	0.91	4372	47.23	42.98	0.91	4412	46.62	42.42	0.91	4447	46.16	42.00	0.91	4470	45.66	41.55	0.91	4617	45.03	40.97	0.91	4819	44.23	40.25	0.91	5142	43.19	39.31	0.91	5377
	32	89.6	22	71.6	49.19	39.84	0.81	4351	48.70	39.45	0.81	4390	48.17	39.02	0.81	4430	47.55	38.52	0.81	4465	47.08	38.14	0.81	4488	46.57	37.72	0.81	4635	45.93	37.20	0.81	4837	45.11	36.54	0.81	5159	44.06	35.69	0.81	5395
	32	89.6	24	75.2	49.53	34.18	0.69	4372	49.04	33.84	0.69	4411	48.51	33.47	0.69	4451	47.89	33.04	0.69	4486	47.41	32.71	0.69	4509	46.90	32.36	0.69	4656	46.25	31.91	0.69	4858	45.43	31.35	0.69	5180	44.37	30.61	0.69	5416
	32	89.6	26	78.8	50.23	28.63	0.57	4396	49.73	28.35	0.57	4435	49.19	28.04	0.57	4475	48.56	27.68	0.57	4510	48.08	27.40	0.57	4533	47.55	27.11	0.57	4680	46.90	26.73	0.57	4882	46.07	26.26	0.57	5205	44.99	25.64	0.57	5441

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB (°C)	INDOOR DB (F)	INDOOR WB (°C)	INDOOR WB (F)	OUTDOOR DB (°C)/F																											
					35(95F)				39(102.2F)				40(104F)				45(113F)				46(114.8F)				48.8(120F)				50(122F)				52(125.6F)			
					Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
80%	21	69.8	18	64.4	33.59	20.49	0.61	4973	31.24	19.05	0.61	5222	30.93	18.86	0.61	5274	25.51	15.56	0.61	5475	24.75	15.10	0.61	5514	22.03	13.44	0.61	5624	21.14	12.90	0.61	5680	20.09	12.25	0.61	5794
	21	69.8	20	68.0	34.97	17.14	0.49	4996	32.53	15.94	0.49	5246	32.20	15.78	0.49	5298	26.57	13.02	0.49	5499	25.77	12.63	0.49	5537	22.93	11.24	0.49	5647	22.02	10.79	0.49	5704	20.92	10.25	0.49	5818
	22	71.6	18	64.4	34.63	22.51	0.65	5023	32.20	20.93	0.65	5275	31.88	20.72	0.65	5328	26.30	17.10	0.65	5530	25.51	16.58	0.65	5569	22.71	14.76	0.65	5681	21.80	14.17	0.65	5738	20.71	13.46	0.65	5853
	22	71.6	20	68.0	35.69	18.91	0.53	5047	33.19	17.59	0.53	5299	32.86	17.41	0.53	5351	27.11	14.37	0.53	5554	26.29	13.94	0.53	5593	23.40	12.40	0.53	5705	22.47	11.91	0.53	5761	21.34	11.31	0.53	5876
	22	71.6	22	71.6	36.29	14.88	0.41	5063	33.75	13.84	0.41	5315	33.42	13.70	0.41	5368	27.57	11.30	0.41	5570	26.74	10.96	0.41	5609	23.80	9.76	0.41	5721	22.85	9.37	0.41	5778	21.71	8.90	0.41	5893
	23	73.4	18	64.4	35.33	24.38	0.69	5074	32.86	22.67	0.69	5328	32.53	22.45	0.69	5381	26.84	18.52	0.69	5586	26.03	17.96	0.69	5625	23.17	15.99	0.69	5738	22.24	15.35	0.69	5796	21.13	14.58	0.69	5912
	23	73.4	20	68.0	36.42	20.76	0.57	5098	33.87	19.30	0.57	5352	33.53	19.11	0.57	5405	27.66	15.77	0.57	5610	26.83	15.29	0.57	5649	23.88	13.61	0.57	5762	22.92	13.07	0.57	5820	21.78	12.41	0.57	5936
	23	73.4	22	71.6	37.03	16.67	0.45	5114	34.44	15.50	0.45	5368	34.10	15.34	0.45	5422	28.13	12.66	0.45	5627	27.29	12.28	0.45	5666	24.29	10.93	0.45	5778	23.31	10.49	0.45	5836	22.15	9.97	0.45	5952
	24	75.2	18	64.4	36.06	26.32	0.73	5125	33.53	24.48	0.73	5382	33.20	24.23	0.73	5436	27.39	19.99	0.73	5643	26.57	19.39	0.73	5682	23.64	17.26	0.73	5796	22.70	16.57	0.73	5854	21.56	15.74	0.73	5971
	24	75.2	20	68.0	37.16	22.67	0.61	5149	34.56	21.08	0.61	5406	34.21	20.87	0.61	5460	28.23	17.22	0.61	5667	27.38	16.70	0.61	5707	24.37	14.86	0.61	5820	23.39	14.27	0.61	5878	22.22	13.56	0.61	5996
	24	75.2	22	71.6	37.79	18.52	0.49	5166	35.15	17.22	0.49	5423	34.79	17.05	0.49	5477	28.70	14.07	0.49	5683	27.84	13.64	0.49	5723	24.78	12.14	0.49	5837	23.79	11.66	0.49	5895	22.60	11.07	0.49	6012
	24	75.2	24	75.2	38.32	14.18	0.37	5185	35.64	13.19	0.37	5442	35.28	13.05	0.37	5496	29.11	10.77	0.37	5703	28.23	10.45	0.37	5742	25.13	9.30	0.37	5856	24.12	8.93	0.37	5914	22.92	8.48	0.37	6032
	25	77.0	18	64.4	37.17	28.62	0.77	5177	34.57	26.62	0.77	5436	34.22	26.35	0.77	5491	28.23	21.74	0.77	5700	27.39	21.09	0.77	5740	24.37	18.77	0.77	5855	23.40	18.02	0.77	5913	22.23	17.12	0.77	6032
	25	77.0	20	68.0	38.31	24.90	0.65	5201	35.63	23.16	0.65	5461	35.27	22.93	0.65	5515	29.10	18.91	0.65	5724	28.23	18.35	0.65	5764	25.12	16.33	0.65	5879	24.12	15.68	0.65	5938	22.91	14.89	0.65	6056
	25	77.0	22	71.6	38.96	20.65	0.53	5218	36.23	19.20	0.53	5477	35.87	19.01	0.53	5532	29.59	15.68	0.53	5741	28.70	15.21	0.53	5781	25.55	13.54	0.53	5896	24.53	13.00	0.53	5954	23.30	12.35	0.53	6073
	25	77.0	24	75.2	39.50	16.20	0.41	5238	36.74	15.06	0.41	5497	36.37	14.91	0.41	5551	30.01	12.30	0.41	5760	29.11	11.93	0.41	5800	25.91	10.62	0.41	5915	24.87	10.20	0.41	5974	23.63	9.69	0.41	6093
	26	78.8	18	64.4	38.32	31.04	0.81	5229	35.64	28.87	0.81	5491	35.28	28.58	0.81	5546	29.11	23.58	0.81	5757	28.23	22.87	0.81	5798	25.13	20.35	0.81	5914	24.12	19.54	0.81	5973	22.92	18.56	0.81	6093
	26	78.8	20	68.0	39.49	27.25	0.69	5254	36.73	25.34	0.69	5516	36.36	25.09	0.69	5571	30.00	20.70	0.69	5782	29.10	20.08	0.69	5822	25.90	17.87	0.69	5939	24.86	17.15	0.69	5998	23.62	16.30	0.69	6117
	26	78.8	22	71.6	40.16	22.89	0.57	5271	37.35	21.29	0.57	5533	36.98	21.08	0.57	5588	30.51	17.39	0.57	5799	29.59	16.87	0.57	5839	26.34	15.01	0.57	5955	25.28	14.41	0.57	6015	24.02	13.69	0.57	6134
	26	78.8	24	75.2	40.73	18.33	0.45	5291	37.88	17.04	0.45	5553	37.50	16.87	0.45	5608	30.94	13.92	0.45	5819	30.01	13.50	0.45	5859	26.71	12.02	0.45	5975	25.64	11.54	0.45	6034	24.36	10.96	0.45	6154
	26	78.8	26	78.8	41.38	13.65	0.33	5313	38.48	12.70	0.33	5575	38.10	12.57	0.33	5630	31.43	10.37	0.33	5841	30.49	10.06	0.33	5882	27.13	8.95	0.33	5998	26.05	8.60	0.33	6057	24.75	8.17	0.33	6177
	27	80.6	18	64.4	39.10	33.24	0.85	5282	36.36	30.91	0.85	5547	36.00	30.60	0.85	5602	29.70	25.25	0.85	5815	28.81	24.49	0.85	5856	25.64	21.79	0.85	5974	24.62	20.92	0.85	6033	23.38	19.88	0.85	6154
	27	80.6	19	66.2	39.90	31.52	0.79	5292	37.11	29.31	0.79	5557	36.74	29.02	0.79	5612	30.31	23.94	0.79	5825	29.40	23.22	0.79	5866	26.16	20.67	0.79	5984	25.12	19.84	0.79	6043	23.86	18.85	0.79	6164
	27	80.6	20	68.0	40.30	29.42	0.73	5307	37.48	27.36	0.73	5572	37.10	27.09	0.73	5627	30.61	22.35	0.73	5840	29.69	21.68	0.73	5881	26.43	19.29	0.73	5999	25.37	18.52	0.73	6058	24.10	17.59	0.73	6179
	27	80.6	22	71.6	40.98	25.00	0.61	5324	38.12	23.25	0.61	5589	37.73	23.02	0.61	5644	31.13	18.99	0.61	5857	30.20	18.42	0.61	5898	26.88	16.39	0.61	6016	25.80	15.74	0.61	6075	24.51	14.95	0.61	6196
	27	80.6	24	75.2	41.56	20.36	0.49	5344	38.65	18.94	0.49	5609	38.26	18.75	0.49	5664	31.57	15.47	0.49	5877	30.62	15.00	0.49	5918	27.25	13.35	0.49	6036	26.16	12.82	0.49	6095	24.85	12.18	0.49	6216
	27	80.6	26	78.8	42.22	15.62	0.37	5367	39.27	14.53	0.37	5632	38.87	14.38	0.37	5687	32.07	11.87	0.37	5900	31.11	11.51	0.37	5941	27.69	10.24	0.37	6059	26.58	9.83	0.37	6118	25.25	9.34	0.37	6239
	28	82.4	18	64.4	39.49	35.15	0.89	5335	36.73	32.69	0.89	5602	36.36	32.36	0.89	5658	30.00	26.70	0.89	5874	29.10	25.90	0.89	5915	25.90	23.05	0.89	6033	24.86	22.13	0.89	6094	23.62	21.02	0.89	6216
	28	82.4	20	68.0	40.30	31.03	0.77	5360	37.48	28.86	0.77	5627	37.10	28.57	0.77	5683	30.61	23.57	0.77	5899	29.69	22.86	0.77	5940	26.43	20.35	0.77	6059	25.37	19.53	0.77	6119	24.10	18.56	0.77	6241
	28	82.4	22	71.6	40.70	26.46	0.65	5377	37.85	24.60	0.65	5644	37.47	24.36	0.65	5701	30.92	20.10	0.65	5916	29.99	19.49	0.65	5957	26.69	17.35	0.65	6076	25.62	16.65	0.65	6136	24.34	15.82	0.65	6258
	28	82.4	24	75.2	41.39	21.94	0.53	5397	38.50	20.40	0.53	5665	38.11	20.20	0.53	5721	31.44	16.66	0.53	5936	30.50	16.16	0.53	5977	27.14	14.39	0.53	6096	26.06	13.81	0.53	6156	24.76	13.12	0.53	6278
	28	82.4	26	78.8	41.97	17.21	0.41	5421	39.04	16.00	0.41	5688	38.64	15.84	0.41	5744	31.88	13.07	0.41	5959	30.93	12.68	0.41	6001	27.52	11.28	0.41	6119	26.42	10.83	0.41	6180	25.10	10.29	0.41	6302
	29	84.2	18	64.4	39.89	36.30	0.91	5388	37.10	33.76	0.91	5658	36.72	33.42	0.91	5715	30.30	27.57	0.91	5932	29.39	26.74	0.91	5974	26.16	23.80	0.91	6094	25.11	22.85	0.91	6155	23.85	21.71	0.91	6278
	29	84.2	20	68.0	40.70	32.97	0.81	5414	37.85	30.66	0.81	5684	37.47	30.35	0.81	5740	30.92	25.04	0.81	5958	29.99	24.29	0.81	5999	26.69	21.62	0.81	6119	25.62	20.75	0.81	6180	24.34	19.72	0.81	6303
	29	84.2	22	71.6	41.52	28.65	0.69	5431	38.61	26.64	0.69	5701	38.22	26.37	0.69	5758	31.53	21.76	0.69	5975	30.59	21.11	0.69	6017	27.22	18.78	0.69	6136	26.13	18.03	0.69	6197	24.83	17.13	0.69	6321
	29	84.2	24	75.2	41.81	23.83	0.57	5451	38.88	22.16	0.57	5721	38.49	21.94	0.57	5778	31.76	18.10	0.57	5996	30.80	17.56	0.57	6037	27.42	15.63	0.57	6157	26.32	15.00	0.57	6218	25.00	14.25	0.57	6341
	29	84.2	26	78.8	42.39	19.08	0.45	5475	39.43	17.74	0.45	5745	39.03	17.56	0.45	5801	32.20	14.49	0.45	6019	31.23	14.06	0.45	6061	27.80	12.51	0.45	6180	26.69	12.01	0.45	6241	25.35	11.41	0.45	6365
	30	86.0	18	64.4	40.29	36.66	0.91	5442	37.47	34.09	0.91	5715	37.09	33.75	0.91	5772	30.60	27.85	0.91	5992	29.68	27.01	0.91	6034	26.42	24.04	0.91	6155	25.36	23.08	0.91	6216	24.09	21.92	0.91	6341
	30	86.0	20	68.0	41.11	34.94	0.85	5468	38.23	32.50	0.85	5740	37.85	32.17	0.85	5798	31.23	26.54	0.85	6017	30.29	25.75	0.85	6059	26.96	22.91	0.85	6180	25.88	22.00	0.85	6242	24.58	20.90	0.85	6366
	30	86.0	22	71.6	41.93	30.61	0.73	5485	39.00	28.47	0.73	5758	38.61	28.18	0.73	5815	31.85	23.25	0.73	6035	30.89	22.55	0.73	6077	27.50	20.07	0.73	6198	26.40	19.27	0.73	6259	25.08	18.31	0.73	6384
	30	86.0	24	75.2	42.23	25.76	0.61	5506	39.27	23.95	0.61	5779	38.88	23.72	0.61	5836	32.07	19.57	0.61	6056	31.11	18.98	0.61	6098	27.69	16.89	0.61	6218	26.58	16.21	0.61	6280	25.25	15.40	0.61	6405
	30	86.0	26	78.8	42.82	20.98	0.49	5530	39.82	19.51	0.49	5802	39.42	19.32	0.49	5859	32.52	15.94	0.49	6079	31.55	15.46	0.49	6121	28.08	13.76	0.49	6242	26.95	13.21	0.49	6304	25.61	12.55	0.49	6428
	31	87.8	18	64.4	40.69	37.03	0.91	5496	37.84	34.44	0.91	5772	37.46	34.09	0.91	5830	30.91	28.13	0.91	6052	29.98	27.28	0.91	6094	26.68	24.28	0.91	6216	25.61	23.31	0.91	6278	24.33	22.14	0.91	6404
	31	87.8	20	68.0	41.52	36.95	0.89	5522	38.61	34.37	0.89	5798	38.23	34.02	0.89	5856	31.54	28.07	0.89	6078	30.59	27.23	0.89	6120	27.23	24.23	0.89	6242	26.14	23.26	0.89	6304	24.83	22.10	0.89	6430
	31	87.8	22	71.6	42.35	32.61	0.77	5540	39.39	30.33	0.77	5816	38.99	30.02	0.77	5873	32.17	24.77	0.77	6095	31.20	24.03	0.77	6138	27.77	21.38	0.77	6260	26.66	20.53	0.77	6322	25.33	19.50	0.77	6448
	31	87.8	24	75.2	42.65	27.72	0.65	5561	39.66	25.78	0.65	5836	39.27	25.52	0.65	5894	32.39	21.06	0.65	6116	31.42	20.42	0.65	6159	27.97	18.18	0.65	6281	26.85	17.45	0.65	6343	25.51	16.58	0.65	6469
	31	87.8	26	78.8	43.25	22.92	0.53	5585	40.22	21.32	0.53	5860	39.82	21.10	0.53	5918	32.85	17.41	0.53	6140	31.86	16.89	0.53	6182	28.36	15.03	0.53	6305	27.22	14.43	0.53	6367	25.86	13.71	0.53	6493
	32	89.6	18	64.4	41.10	37.40	0.91	5551	38.22	34.78	0.91	5830	37.84	34.43	0.91	5888	31.22	28.41	0.91	6112	30.28	27.55	0.91	6155	26.95	24.52	0.91	6278	25.87	23.54	0.91	6341	24.58	22.37	0.91	6468
	32	89.6	20	68.0	41.94	38.16	0.91	5578	39.00	35.49	0.91	5856	38.61	35.13	0.91	5914	31.85	28.99	0.91	6138	30.90	28.12	0.91	6181	27.50	25.02	0.91	6305	26.40	24.02	0.91	6367	25.08	22.82	0.91	6494
	32	89.6	22	71.6	42.77	34.65	0.81	5596	39.78	32.22	0.81	5874	39.38	31.90	0.81	5932	32.49	26.32	0.81	6156	31.52	25.53	0.81	6199	28.05	22.72	0.81	6322	26.93	21.81	0.81	6385	25.58	20.72	0.81	6512
	32	89.6	24	75.2	43.07	29.72	0.69	5617	40.06	27.64	0.69	5895	39.66	27.36	0.69	5953	32.72	22.58	0.69	6177	31.74	21.90	0.69	6220	28.25	19.49	0.69	6343	27.12	18.71	0.69	6406	25.76	17.77	0.69	6533
	32	89.6	26	78.8	43.68	24.90	0.57	5641	40.62	23.15	0.57	5919	40.21	22.92	0.57	5977	33.18	18.91	0.57	6201	32.18	18.34	0.57	6244	28.64	16.33	0.57	6368	27.50	15.67	0.57	6430	26.12	14.89	0.57	6557

5. CAPACITIES AND SELECTION DATA

48K(Up to 5 indoor units series)

PERFORMANCE DATA (Heating Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																							
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	15	59.0	30.00	4594	34.51	5032	38.34	5296	41.67	5404	38.78	4776	43.09	4824	45.36	4873	49.84	4972	54.18	5234	55.56	5299	58.51	5495	61.43	5660	63.28	5773	65.18	5889
	16	60.8	29.65	4631	34.10	5072	37.88	5339	41.18	5448	38.32	4814	42.58	4863	44.82	4912	49.25	5012	53.53	5276	54.91	5341	57.82	5540	60.71	5706	62.53	5820	64.40	5936
	17	62.6	29.30	4668	33.69	5113	37.44	5382	40.69	5492	37.86	4853	42.07	4902	44.29	4951	48.67	5053	52.90	5318	54.25	5384	57.13	5584	59.99	5752	61.79	5867	63.64	5984
	18	64.4	28.95	4706	33.29	5154	36.99	5426	40.21	5536	37.42	4892	41.57	4941	43.76	4991	48.09	5093	52.27	5361	53.61	5428	56.45	5629	59.28	5798	61.05	5914	62.88	6033
	19	66.2	28.61	4744	32.90	5196	36.55	5469	39.73	5581	36.97	4932	41.08	4981	43.24	5032	47.52	5134	51.65	5405	52.98	5472	55.78	5675	58.57	5845	60.33	5962	62.14	6081
	20	68.0	28.32	4782	32.57	5238	36.19	5513	39.34	5626	36.61	4971	40.67	5021	42.81	5072	47.05	5176	51.14	5448	52.45	5516	55.23	5721	57.99	5892	59.73	6010	61.52	6130
	21	69.8	27.98	4835	32.18	5295	35.76	5574	38.87	5688	36.17	5026	40.19	5077	42.30	5128	46.48	5233	50.53	5508	51.82	5576	54.57	5783	57.30	5957	59.02	6076	60.79	6198
	22	71.6	27.65	4888	31.79	5354	35.33	5635	38.40	5750	35.73	5081	39.70	5133	41.79	5184	45.93	5290	49.92	5569	51.20	5638	53.91	5847	56.61	6023	58.31	6143	60.06	6266
	23	73.4	27.32	4942	31.41	5413	34.90	5697	37.94	5814	35.30	5137	39.23	5189	41.29	5241	45.37	5348	49.32	5630	50.59	5700	53.27	5911	55.93	6089	57.61	6211	59.34	6335
	24	75.2	26.99	4996	31.04	5472	34.48	5760	37.48	5878	34.88	5194	38.76	5246	40.80	5299	44.83	5407	48.73	5692	49.98	5762	52.63	5976	55.26	6156	56.92	6279	58.62	6404
	25	77.0	26.66	5051	30.66	5532	34.07	5823	37.03	5942	34.46	5251	38.29	5304	40.31	5357	44.29	5467	48.14	5754	49.38	5826	52.00	6042	54.60	6223	56.23	6348	57.92	6475
	26	78.8	26.34	5106	30.30	5593	33.66	5887	36.59	6008	34.05	5309	37.83	5362	39.82	5416	43.76	5527	47.57	5818	48.79	5890	51.37	6109	53.94	6292	55.56	6418	57.23	6546
	27	80.6	26.03	5163	29.93	5655	33.26	5952	36.15	6074	33.64	5367	37.38	5421	39.34	5476	43.24	5588	47.00	5882	48.20	5955	50.76	6176	53.29	6361	54.89	6488	56.54	6618
	28	82.4	25.72	5219	29.57	5717	32.86	6018	35.72	6141	33.24	5426	36.93	5481	38.87	5536	42.72	5649	46.43	5946	47.62	6020	50.15	6244	52.65	6431	54.23	6560	55.86	6691
	29	84.2	25.41	5277	29.22	5780	32.46	6084	35.29	6208	32.84	5486	36.49	5541	38.41	5597	42.20	5711	45.87	6012	47.05	6086	49.54	6312	52.02	6502	53.58	6632	55.19	6764
	30	86.0	25.10	5335	28.87	5843	32.08	6151	34.86	6276	32.44	5546	36.05	5602	37.95	5659	41.70	5774	45.32	6078	46.49	6153	48.95	6382	51.40	6573	52.94	6705	54.53	6839

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																							
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
120%	15	59.0	29.13	4375	33.50	4792	37.22	5044	40.46	5147	37.65	4548	41.83	4594	44.03	4641	48.39	4735	52.60	4984	53.95	5046	56.81	5234	59.65	5391	61.43	5498	63.28	5608
	16	60.8	28.79	4410	33.10	4831	36.78	5085	39.98	5189	37.20	4585	41.34	4631	43.51	4678	47.82	4773	51.97	5025	53.31	5087	56.13	5276	58.94	5434	60.71	5543	62.53	5654
	17	62.6	28.44	4446	32.71	4870	36.35	5126	39.51	5230	36.76	4622	40.85	4669	43.00	4716	47.25	4812	51.36	5065	52.67	5128	55.47	5318	58.24	5478	59.99	5588	61.79	5699
	18	64.4	28.11	4482	32.32	4909	35.91	5167	39.04	5273	36.33	4659	40.36	4706	42.49	4754	46.69	4851	50.75	5106	52.05	5169	54.81	5361	57.55	5522	59.28	5633	61.05	5745
	19	66.2	27.77	4518	31.94	4948	35.49	5209	38.57	5315	35.90	4697	39.88	4744	41.98	4792	46.13	4890	50.15	5147	51.43	5211	54.16	5405	56.87	5567	58.57	5678	60.33	5792
	20	68.0	27.50	4554	31.62	4988	35.14	5251	38.19	5358	35.54	4735	39.49	4782	41.57	4831	45.68	4929	49.65	5189	50.92	5253	53.62	5448	56.30	5612	57.99	5724	59.73	5838
	21	69.8	27.17	4604	31.24	5043	34.72	5309	37.73	5417	35.11	4787	39.01	4835	41.07	4884	45.13	4983	49.05	5246	50.31	5311	52.98	5508	55.63	5673	57.30	5787	59.02	5903
	22	71.6	26.84	4655	30.87	5099	34.30	5367	37.28	5477	34.69	4839	38.55	4888	40.58	4938	44.59	5038	48.47	5303	49.71	5369	52.34	5569	54.96	5736	56.61	5850	58.31	5967
	23	73.4	26.52	4706	30.50	5155	33.89	5426	36.83	5537	34.28	4893	38.08	4942	40.09	4992	44.05	5094	47.88	5362	49.11	5428	51.71	5630	54.30	5799	55.93	5915	57.61	6033
	24	75.2	26.20	4758	30.13	5211	33.48	5486	36.39	5598	33.86	4946	37.63	4996	39.61	5047	43.52	5150	47.31	5421	48.52	5488	51.09	5692	53.65	5863	55.26	5980	56.92	6099
	25	77.0	25.89	4810	29.77	5269	33.08	5546	35.96	5659	33.46	5001	37.18	5051	39.13	5102	43.00	5206	46.74	5480	47.94	5548	50.48	5754	53.01	5927	54.60	6046	56.23	6167
	26	78.8	25.58	4863	29.41	5327	32.68	5607	35.52	5722	33.06	5056	36.73	5107	38.66	5158	42.49	5264	46.18	5541	47.36	5609	49.88	5818	52.37	5992	53.94	6112	55.56	6234
	27	80.6	25.27	4917	29.06	5385	32.29	5669	35.10	5784	32.66	5111	36.29	5163	38.20	5215	41.98	5322	45.63	5602	46.80	5671	49.28	5882	51.74	6058	53.29	6179	54.89	6303
	28	82.4	24.97	4971	28.71	5445	31.90	5731	34.68	5848	32.27	5168	35.85	5220	37.74	5273	41.47	5380	45.08	5663	46.24	5733	48.69	5946	51.12	6125	52.65	6247	54.23	6372
	29	84.2	24.67	5026	28.37	5504	31.52	5794	34.26	5912	31.88	5224	35.42	5277	37.29	5331	40.98	5439	44.54	5726	45.68	5797	48.10	6012	50.51	6192	52.02	6316	53.58	6442
	30	86.0	24.37	5081	28.03	5565	31.14	5858	33.85	5977	31.50	5282	35.00	5335	36.84	5389	40.48	5499	44.00	5789	45.13	5860	47.52	6078	49.90	6260	51.40	6386	52.94	6513

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																							
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
110%	15	59.0	28.28	4289	31.82	4554	35.35	4794	39.28	5046	36.55	4459	40.61	4504	42.75	4550	46.98	4642	51.07	4887	52.37	4947	55.15	5131	57.91	5285	59.65	5391	61.43	5498
	16	60.8	27.95	4324	31.44	4591	34.93	4833	38.82	5087	36.12	4495	40.13	4540	42.24	4586	46.42	4680	50.46	4926	51.75	4987	54.50	5172	57.22	5328	58.94	5434	60.71	5543
	17	62.6	27.62	4359	31.07	4628	34.52	4872	38.36	5128	35.69	4531	39.66	4577	41.74	4623	45.87	4718	49.86	4966	51.14	5027	53.85	5214	56.54	5371	58.24	5478	59.99	5588
	18	64.4	27.29	4394	30.70	4665	34.11	4911	37.90	5169	35.27	4568	39.19	4614	41.25	4660	45.33	4756	49.27	5006	50.53	5068	53.21	5256	55.87	5414	57.55	5522	59.28	5633
	19	66.2	26.96	4429	30.34	4703	33.71	4950	37.45	5211	34.85	4605	38.72	4651	40.76	4698	44.79	4794	48.69	5046	49.93	5109	52.58	5299	55.21	5458	56.87	5567	58.57	5678
	20	68.0	26.70	4465	30.03	4741	33.37	4990	37.08	5253	34.50	4642	38.34	4689	40.36	4736	44.35	4833	48.20	5087	49.44	5150	52.06	5341	54.66	5502	56.30	5612	57.99	5724
	21	69.8	26.38	4514	29.67	4793	32.97	5045	36.64	5311	34.09	4693	37.88	4740	39.87	4788	43.82	4886	47.63	5143	48.85	5207	51.44	5400	54.01	5562	55.63	5673	57.30	5787
	22	71.6	26.06	4564	29.32	4846	32.58	5101	36.20	5369	33.68	4744	37.42	4792	39.39	4841	43.29	4940	47.05	5199	48.26	5264	50.82	5459	53.36	5623	54.96	5736	56.61	5850
	23	73.4	25.75	4614	28.97	4899	32.18	5157	35.76	5428	33.28	4797	36.97	4845	38.92	4894	42.77	4994	46.49	5257	47.68	5322	50.21	5520	52.72	5685	54.30	5799	55.93	5915
	24	75.2	25.44	4665	28.62	4953	31.80	5214	35.33	5488	32.88	4849	36.53	4898	38.45	4948	42.26	5049	45.93	5315	47.11	5380	49.61	5580	52.09	5748	53.65	5863	55.26	5980
	25	77.0	25.13	4716	28.28	5007	31.42	5271	34.91	5548	32.48	4903	36.09	4952	37.99	5002	41.75	5104	45.38	5373	46.54	5440	49.01	5642	51.46	5811	53.01	5927	54.60	6046
	26	78.8	24.83	4768	27.94	5062	31.04	5329	34.49	5609	32.09	4957	35.66	5007	37.54	5057	41.25	5160	44.84	5432	45.99	5499	48.42	5704	50.84	5875	52.37	5992	53.94	6112
	27	80.6	24.53	4820	27.60	5118	30.67	5388	34.08	5671	31.71	5011	35.23	5062	37.09	5113	40.75	5217	44.30	5492	45.43	5560	47.84	5766	50.23	5939	51.74	6058	53.29	6179
	28	82.4	24.24	4873	27.27	5174	30.30	5447	33.67	5733	31.33	5066	34.81	5117	36.64	5169	40.26	5275	43.77	5552	44.89	5621	47.27	5830	49.63	6005	51.12	6125	52.65	6247
	29	84.2	23.95	4927	26.94	5231	29.94	5507	33.26	5797	30.95	5122	34.39	5174	36.20	5226	39.78	5333	43.24	5613	44.35	5683	46.70	5894	49.04	6071	50.51	6192	52.02	6316
	30	86.0	23.66	4981	26.62	5289	29.58	5567	32.86	5860	30.58	5178	33.98	5231	35.77	5283	39.30	5391	42.72	5675	43.82	5745	46.14	5959	48.45	6138	49.90	6260	51.40	6386

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Heating Operation at Rated Frequency)

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	15	59.0	27.46	4164	30.89	4422	34.32	4654	38.14	4899	35.49	4329	39.43	4373	41.51	4417	45.61	4507	49.58	4744	50.85	4803	53.54	4982	56.22	5131	57.91	5234	59.65	5338
	16	60.8	27.13	4198	30.52	4457	33.92	4692	37.68	4939	35.07	4364	38.96	4408	41.01	4453	45.07	4544	48.99	4783	50.25	4842	52.91	5022	55.55	5172	57.22	5276	58.94	5381
	17	62.6	26.81	4232	30.16	4493	33.51	4730	37.24	4979	34.65	4399	38.50	4444	40.53	4489	44.54	4580	48.41	4821	49.65	4881	52.28	5062	54.90	5214	56.54	5318	58.24	5425
	18	64.4	26.49	4266	29.81	4529	33.12	4768	36.80	5019	34.24	4435	38.05	4480	40.05	4525	44.01	4617	47.84	4860	49.06	4920	51.66	5103	54.25	5256	55.87	5361	57.55	5469
	19	66.2	26.18	4300	29.45	4566	32.72	4806	36.36	5059	33.83	4470	37.59	4516	39.57	4561	43.49	4654	47.27	4899	48.48	4960	51.05	5144	53.60	5299	55.21	5405	56.87	5513
	20	68.0	25.92	4335	29.16	4603	32.40	4845	36.00	5100	33.50	4507	37.22	4552	39.18	4598	43.06	4692	46.80	4939	48.00	5000	50.54	5186	53.07	5341	54.66	5448	56.30	5557
	21	69.8	25.61	4383	28.81	4653	32.01	4898	35.57	5156	33.10	4556	36.78	4602	38.71	4649	42.54	4743	46.24	4993	47.42	5055	49.94	5243	52.43	5400	54.01	5508	55.63	5618
	22	71.6	25.30	4431	28.46	4705	31.63	4952	35.14	5213	32.70	4606	36.33	4653	38.25	4700	42.03	4796	45.68	5048	46.85	5111	49.34	5300	51.81	5459	53.36	5569	54.96	5680
	23	73.4	25.00	4480	28.12	4756	31.25	5007	34.72	5270	32.31	4657	35.90	4704	37.79	4751	41.52	4848	45.14	5104	46.29	5167	48.75	5359	51.18	5520	52.72	5630	54.30	5743
	24	75.2	24.70	4529	27.79	4809	30.87	5062	34.30	5328	31.92	4708	35.47	4756	37.33	4804	41.03	4902	44.59	5160	45.74	5224	48.16	5418	50.57	5580	52.09	5692	53.65	5806
	25	77.0	24.40	4579	27.45	4862	30.50	5117	33.89	5387	31.54	4760	35.04	4808	36.89	4857	40.53	4956	44.06	5216	45.19	5281	47.58	5477	49.96	5642	51.46	5754	53.01	5870
	26	78.8	24.11	4629	27.12	4915	30.14	5174	33.48	5446	31.16	4812	34.62	4861	36.44	4910	40.05	5010	43.53	5274	44.65	5339	47.01	5538	49.36	5704	50.84	5818	52.37	5934
	27	80.6	23.82	4680	26.80	4969	29.77	5231	33.08	5506	30.79	4865	34.21	4914	36.01	4964	39.57	5065	43.01	5332	44.11	5398	46.45	5598	48.77	5766	50.23	5882	51.74	5999
	28	82.4	23.53	4731	26.48	5024	29.42	5288	32.69	5566	30.42	4919	33.80	4968	35.57	5019	39.09	5121	42.49	5391	43.58	5457	45.89	5660	48.19	5830	49.63	5946	51.12	6065
	29	84.2	23.25	4784	26.16	5079	29.06	5346	32.29	5628	30.05	4973	33.39	5023	35.15	5074	38.62	5177	41.98	5450	43.06	5517	45.34	5722	47.61	5894	49.04	6012	50.51	6132
	30	86.0	22.97	4836	25.84	5135	28.72	5405	31.91	5690	29.69	5028	32.99	5078	34.73	5130	38.16	5234	41.48	5510	42.54	5578	44.80	5785	47.04	5959	48.45	6078	49.90	6200

COMBINATION (%)	INDOOR DB(℃)	INDOOR DB(F)	OUTDOOR WB(℃) /F																									
			-25/(-13F)		-20.5(-5F)		-17.7(0F)		-15(5F)		-10(14F)		-8.3(17F)		-5(23F)		0(32F)		5(41F)		8.3(47F)		10(50F)		15(59F)		20(68F)		24(75F)	
			Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	15	59.0	26.50	4089	29.81	4342	33.12	4570	36.80	4811	34.25	4251	38.05	4294	40.05	4338	44.02	4426	47.84	4659	49.07	4717	51.67	4892	54.25	5039	55.88	5139	57.56	5242
	16	60.8	26.18	4122	29.46	4377	32.73	4607	36.37	4850	33.84	4285	37.60	4329	39.58	4372	43.49	4462	47.28	4697	48.49	4755	51.06	4931	53.61	5079	55.22	5181	56.88	5285
	17	62.6	25.87	4156	29.11	4412	32.34	4645	35.93	4889	33.44	4320	37.15	4364	39.11	4408	42.98	4498	46.71	4734	47.91	4793	50.45	4971	52.97	5120	54.56	5223	56.20	5327
	18	64.4	25.57	4189	28.76	4448	31.96	4682	35.51	4928	33.04	4355	36.71	4399	38.65	4443	42.47	4534	46.16	4773	47.34	4832	49.85	5011	52.35	5162	53.92	5265	55.53	5370
	19	66.2	25.26	4223	28.42	4484	31.58	4720	35.09	4968	32.65	4390	36.28	4434	38.19	4479	41.96	4571	45.61	4811	46.78	4871	49.26	5052	51.73	5203	53.28	5307	54.88	5413
	20	68.0	25.01	4257	28.14	4520	31.27	4758	34.74	5008	32.33	4425	35.92	4470	37.81	4515	41.55	4607	45.16	4850	46.32	4910	48.77	5092	51.21	5245	52.75	5350	54.33	5457
	21	69.8	24.71	4304	27.80	4570	30.89	4810	34.32	5063	31.94	4474	35.49	4519	37.36	4565	41.05	4658	44.62	4903	45.76	4964	48.19	5148	50.60	5303	52.12	5409	53.68	5517
	22	71.6	24.42	4351	27.47	4620	30.52	4863	33.91	5119	31.56	4523	35.06	4569	36.91	4615	40.56	4709	44.08	4957	45.21	5019	47.61	5205	49.99	5361	51.49	5468	53.04	5578
	23	73.4	24.12	4399	27.14	4671	30.15	4917	33.50	5175	31.18	4573	34.64	4619	36.46	4666	40.07	4761	43.56	5012	44.67	5074	47.04	5262	49.39	5420	50.87	5529	52.40	5639
	24	75.2	23.83	4447	26.81	4722	29.79	4971	33.10	5232	30.80	4623	34.23	4670	36.03	4717	39.59	4814	43.03	5067	44.14	5130	46.48	5320	48.80	5480	50.26	5589	51.77	5701
	25	77.0	23.55	4496	26.49	4774	29.43	5025	32.71	5290	30.43	4674	33.82	4721	35.59	4769	39.12	4866	42.52	5123	43.61	5186	45.92	5379	48.21	5540	49.66	5651	51.15	5764
	26	78.8	23.27	4546	26.17	4827	29.08	5081	32.31	5348	30.07	4726	33.41	4773	35.17	4822	38.65	4920	42.01	5179	43.08	5243	45.37	5438	47.64	5601	49.06	5713	50.54	5827
	27	80.6	22.99	4596	25.86	4880	28.73	5136	31.92	5407	29.71	4778	33.01	4826	34.75	4875	38.18	4974	41.50	5236	42.57	5301	44.82	5498	47.06	5663	48.48	5776	49.93	5891
	28	82.4	22.71	4646	25.55	4933	28.39	5193	31.54	5466	29.35	4830	32.61	4879	34.33	4928	37.72	5029	41.00	5293	42.06	5359	44.28	5558	46.50	5725	47.89	5839	49.33	5956
	29	84.2	22.44	4697	25.24	4988	28.05	5250	31.16	5526	29.00	4883	32.22	4933	33.92	4982	37.27	5084	40.51	5352	41.55	5418	43.75	5619	45.94	5788	47.32	5904	48.74	6022
	30	86.0	22.17	4749	24.94	5042	27.71	5308	30.79	5587	28.65	4937	31.83	4987	33.51	5037	36.82	5140	40.03	5411	41.05	5478	43.23	5681	45.39	5852	46.75	5969	48.15	6088
80%	15	59.0	25.70	4049	28.92	4299	32.13	4525	35.70	4763	33.22	4209	36.91	4251	38.85	4294	42.69	4382	46.41	4612	47.60	4670	50.12	4843	52.63	4988	54.20	5088	55.83	5190
	16	60.8	25.40	4081	28.57	4333	31.75	4561	35.27	4801	32.82	4243	36.47	4285	38.39	4329	42.19	4417	45.86	4650	47.03	4707	49.53	4882	52.00	5029	53.56	5129	55.17	5232
	17	62.6	25.10	4114	28.23	4368	31.37	4598	34.86	4840	32.44	4277	36.04	4320	37.94	4364	41.69	4453	45.31	4687	46.48	4745	48.94	4921	51.39	5069	52.93	5170	54.51	5274
	18	64.4	24.80	4147	27.90	4403	31.00	4635	34.44	4879	32.05	4311	35.61	4355	37.49	4399	41.19	4489	44.78	4725	45.92	4783	48.36	4961	50.78	5110	52.30	5212	53.87	5316
	19	66.2	24.51	4181	27.57	4439	30.63	4673	34.03	4918	31.67	4346	35.19	4390	37.04	4434	40.71	4525	44.25	4763	45.38	4822	47.78	5001	50.17	5151	51.68	5254	53.23	5359
	20	68.0	24.26	4214	27.30	4475	30.33	4710	33.70	4958	31.36	4381	34.84	4425	36.68	4470	40.30	4561	43.81	4801	44.93	4861	47.31	5041	49.68	5193	51.17	5297	52.70	5403
	21	69.8	23.97	4261	26.97	4524	29.96	4762	33.29	5013	30.98	4429	34.42	4474	36.24	4519	39.82	4612	43.28	4854	44.39	4914	46.74	5097	49.08	5250	50.55	5355	52.07	5462
	22	71.6	23.68	4308	26.64	4574	29.60	4814	32.89	5068	30.61	4478	34.01	4523	35.80	4569	39.34	4662	42.76	4908	43.86	4968	46.18	5153	48.49	5308	49.95	5414	51.45	5522
	23	73.4	23.40	4355	26.32	4624	29.25	4867	32.50	5124	30.24	4527	33.60	4573	35.37	4619	38.87	4714	42.25	4962	43.33	5023	45.63	5210	47.91	5366	49.35	5473	50.83	5583
	24	75.2	23.12	4403	26.01	4675	28.90	4921	32.11	5180	29.88	4577	33.20	4623	34.95	4670	38.40	4765	41.74	5016	42.81	5078	45.08	5267	47.34	5425	48.76	5533	50.22	5644
	25	77.0	22.84	4451	25.70	4726	28.55	4975	31.72	5237	29.52	4627	32.80	4674	34.53	4721	37.94	4818	41.24	5071	42.30	5134	44.54	5325	46.77	5485	48.17	5594	49.62	5706
	26	78.8	22.57	4500	25.39	4778	28.21	5030	31.34	5294	29.17	4678	32.41	4726	34.11	4773	37.49	4871	40.75	5127	41.79	5191	44.01	5383	46.21	5545	47.59	5656	49.02	5769
	27	80.6	22.30	4550	25.08	4831	27.87	5085	30.97	5353	28.82	4730	32.02	4778	33.70	4826	37.04	4924	40.26	5184	41.29	5248	43.48	5443	45.65	5606	47.02	5718	48.43	5832
	28	82.4	22.03	4600	24.78	4884	27.54	5141	30.60	5412	28.47	4782	31.63	4830	33.30	4879	36.59	4979	39.77	5241	40.79	5305	42.96	5503	45.10	5668	46.46	5781	47.85	5897
	29	84.2	21.76	4650	24.48	4938	27.21	5198	30.23	5471	28.13	4834	31.25	4883	32.90	4933	36.15	5033	39.30	5298	40.30	5364	42.44	5563	44.56	5730	45.90	5845	47.28	5961
	30	86.0	21.50	4702	24.19	4992	26.88	5255	29.87	5531	27.79	4888	30.88	4937	32.50	4987	35.72	5089	38.83	5356	39.82	5423	41.93	5624	44.03	5793	45.35	5909	46.71	6027

Part II
Installation manual

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NOTE:

- This heat pump air conditioner has been designed for the following temperatures. Operate the heat pump air-conditioner within this range.

Model(Btu/h)	Mode	Outdoor working temperature	
		Maximum	Minimum
18K/24K/36K/48K	Cooling Operation	125°F(52°C)	5°F(-15°C)
	Heating Operation	75°F(24°C)	-13°F(-25°C)

- Storage condition: Temperature -13~140°F (-25~60°C)
  Humidity 30%~80%

Safety precautions

1. This air conditioner uses new refrigerant HFO (R454B). R454B refrigerant is flammable.
2. Since the max. working pressure is less than 602psig (4.15MPa), some of the piping and installation and service tools are special.
3. This air conditioner uses power supply: 208/230V ~, 60Hz.

Please read these SAFETY PRECAUTIONS carefully to ensure correct installation.

- Be sure to use a dedicated power circuit, and do not put other loads on the power supply.
- Be sure to read these SAFETY PRECAUTIONS carefully before installation.
- Be sure to comply with SAFETY PRECAUTIONS of installation manual, because it contains important safety issues. Definitions for identifying hazard levels are provide below with their respective safety symbols.

  ⚠ WARNING: Hazards or unsafe practices which COULD result in severe personal injury or death.
  ⚠ CAUTION: Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.
- Please carefully file indoor and outdoor unit manual away for future reference.

⚠WARNING

- Installation should be performed by a qualified personnel.
  Improper installation may cause water leakage, electrical shock or fire.
- Install the air conditioner on a solid base that can support the unit weight.
  An inadequate base or incomplete installation may cause injury if the unit falls off the base.
- Use the specified type of wire for electrical connections safely between the indoor and outdoor units.
  And firmly clamp the interconnecting wires so their terminals receive no external stresses.
- For wiring, use a cable long enough to cover the entire distance with no connection.
  And do not connect multiple devices to the same AC power supply.
  Otherwise, it may be due to bad contact, poor insulation, exceed the allowable current and cause a fire or electric shock.
- After all installation is completed, check to make sure that no refrigerant is leaking out.
  If the refrigerant gas leakage to the interior, and the heater, stove flame touching it, will generate harmful substances.
- Perform the installation securely referring to the installation manual.
  Incomplete installation could cause a personal injury due to fire, electric shock, the unit falling or leakage of water.
- In accordance with the installation instructions for electrical work, please be sure to use a dedicated line.
- If the power supply circuit capacity or electrical work is not in place, may cause a fire or electric shock.
- Attach the electrical cover to the indoor unit and the service panel to the outdoor unit securely.
- If the electrical covers on the indoor unit or the service panel of the outdoor unit are not attached securely, it could result in a fire or an electric shock due to dust water, etc.
- Please be sure to cut off the main power supply before the installation of indoor electronic PCB or wiring. Otherwise, it will cause electric shock.
- The device should be in accordance with the state provisions for installation wiring.
- The outdoor machine installation location should pay attention to the protection, avoid people or other small animals contact with electrical components, please keep the outdoor unit of the surrounding environment clean and tidy.
- When installing or relocating the unit, make sure that no substance other than the specified refrigerant (R454B) enters the refrigerant circuit.
  Any presence of foreign substance such as air can cause abnormal pressure rise or an explosion.
- Assure that PARTIAL UNITS shall only be connected to an appliance suitable for the same refrigerant.

Safety precautions

⚠ CAUTION

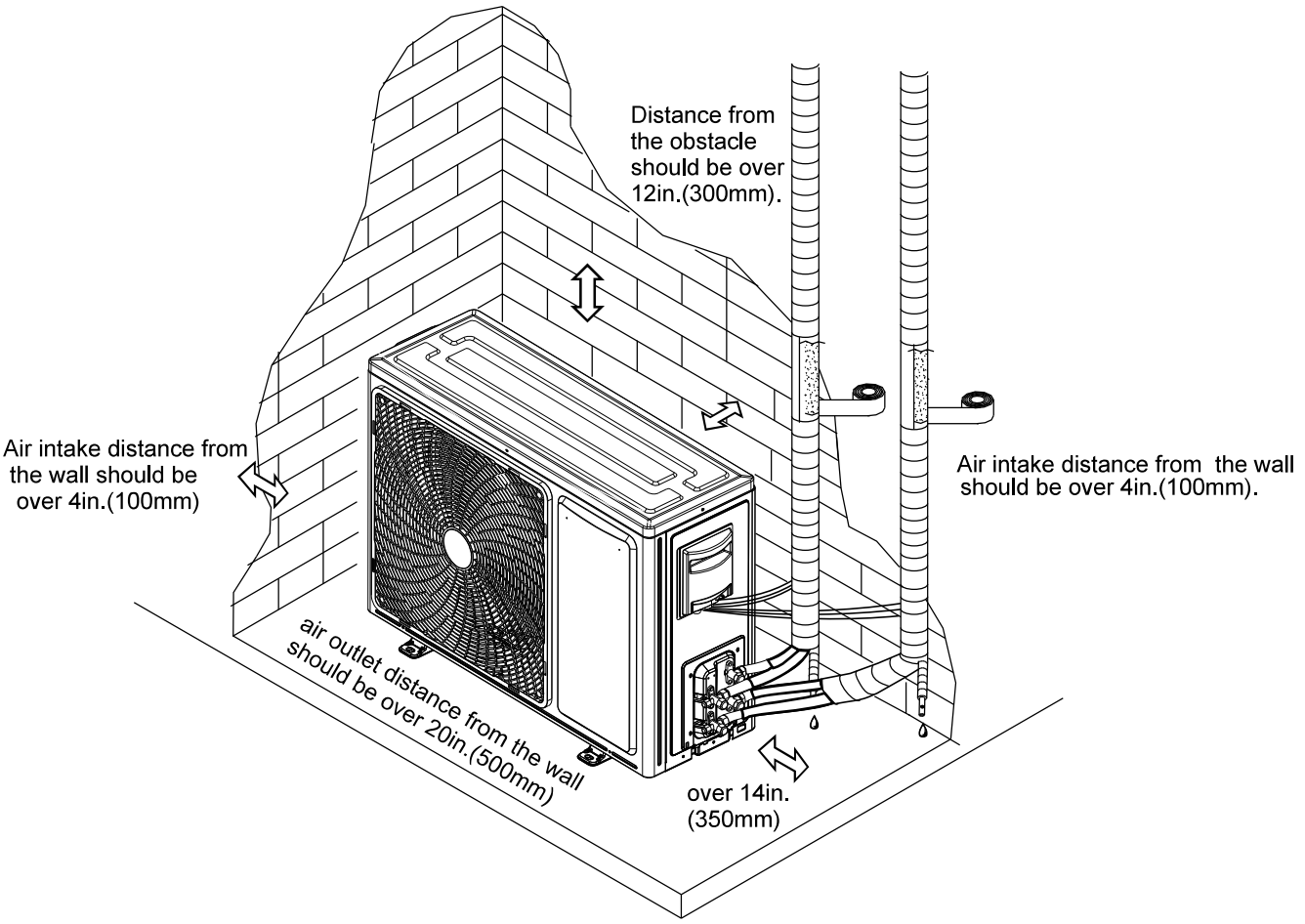
- Perform grounding
  Does not connect the earth wire to a gas pipe, water pipe, lightning rod or telephone earth wire. Defective grounding could cause an electric shock.
- Do not install the unit in a place where an inflammable gas leaks.
  If gas leaks and accumulates in the area surrounding the unit, it could cause an explosion.
- Fasten a flare nut with a torque wrench as specified in this manual.
  When fastened too tight, a flare nut may break after a long period and cause a leakage of refrigerant.
- Install an earth leakage breaker depending on the installation place(where it is humid).
  If an earth leakage breaker is not installed, it could cause an electric shock.
- Perform the drainage/piping work securely according to the installation manual.
- If there is a defect in the drainage/piping work, water could drop from the unit and household goods could be wet and damaged.
- This units are PARTIAL UNIT AIR CONDITIONERs, complying with PARTIAL UNIT requirements of this standard, and must only be connected to other units that have been confirmed as complying to corresponding PARTIAL UNIT requirements of this standard, UL 60335-2-40/CSA C22.2 No. 60335-2-40, or UL 1995/CSA C22.2 No 236.
- Assure the maximum operating pressure is considered when connecting to any indoor units.
- According to ASHRAE 15, these units can stop compressor working in 10s when receiving the signal from the Refrigerant detection systems in indoor units.
  Please verify and assure the validity during installation.

Safety instructions

- Do not let air enter the refrigeration system or discharge refrigerant when moving the air conditioner.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the appliance is fixed wiring, the appliance must be fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under over voltage category III conditions, and these means must be incorporated in the fixed wiring in accordance with the wiring rules.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- Servicing shall only be performed as recommended by the equipment manufacturer.
- The method of connection of the appliance to the electrical supply and interconnection of separate components is detailed in below part. The wiring diagram with a clear indication of the connections and wiring to external control devices and supply cord is detailed in below part.
- In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- It is necessary to allow disconnection of the appliance from the supply after installation. The disconnection may be achieved by incorporating a switch in the fixed wiring in accordance with the wiring rules. During service and when replacing parts, be sure to disconnect the appliance from its power source. If the disconnection is not foreseen, a disconnection with a locking system in the isolated position shall be provided.
- The information of dimensions of the space necessary for correct installation of the appliance including the minimum permissible distances to adjacent structures is detailed in below part.
- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
- Instructions on addition charging of refrigerants are detailed in below part.

Installation instructions

Installation diagram



outdoor unit

- ***Figures in this manual are only a simple presentation of the unit, it may not match the external appearance of the unit you purchased.***
- ***Installation must be performed in accordance with the national wiring standards by authorized personnel only.***

Installation instructions

Transportation and handling before installation

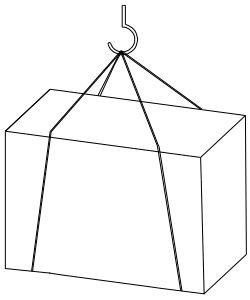
Transport the product as close to the installation location as practical before unpacking.

• Handling Method

When hanging the unit, ensure a balance of the unit, check safety and lift up smoothly.

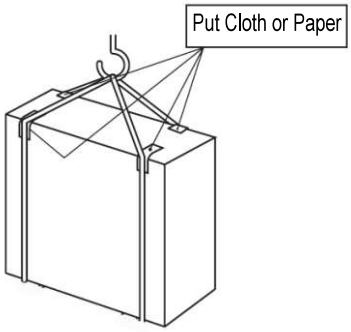
(1) Do not remove any packing materials.

(2) Hang the unit under packing condition with two ropes, as shown in Fig below.



• Handling

If have no package to move, Please protect with cloth or paper.



Installation locations selection

Before choosing the installation site, obtain user approval.

• Where it is not exposed to strong wind.
• Where airflow is good and clean.
• Where it is not exposed to rain and direct sunshine.
• Where neighbors are not annoyed by operation sound or hot air.
• Where rigid wall or support is available to prevent the increase of operation sound or vibration.
• Where there is no risk of combustible gas leakage.
• Where it is at least 3m away from the antenna of TV set or radio. An amplifier may be required for the affected device.
• Install the unit horizontally.
• Please install it in an area not affected by snowfall or blowing snow. In areas with heavy snow, please install a canopy, a pedestal and/or some baffle boards.

⚠ CAUTION:

Avoid the following places for installation where air conditioner trouble is liable to occur.

• Where there is much machine oil.
• Salty places such as seaside.
• Where sulfide gas is generated such as a hot spring.
• Where there is high-frequency or wireless equipment.

NOTE:

When operating the air conditioner in low outside temperature, be sure to follow the instruction describe below.

• Never install the outdoor unit in a place where its air inlet/outlet side may be exposed directly to wind.
• To prevent exposure to wind, install the outdoor unit with its air inlet side facing the wall.
• To prevent exposure to wind, it is recommended to install a baffle board on the air outlet side of the outdoor unit.

Installation instructions

Outdoor unit installation

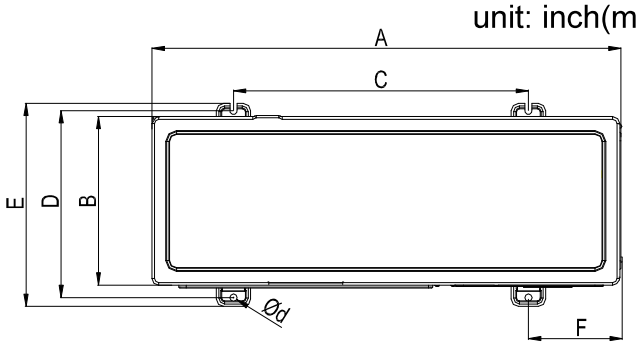
⚠NOTE:

·Be sure to fix the unit's legs with bolts when installing it.

·Be sure to install the unit firmly to ensure that it does not fall by earthquake or gust.

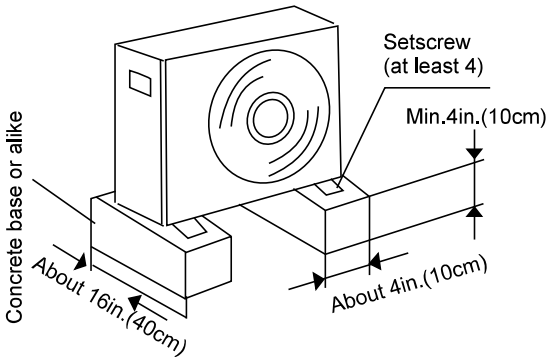
·The anchor bolts, nuts and washers for the installation are user prepared.

unit: inch(mm)



[Unit: in. (mm)]

Model (Btu/h)	A	B	C	D	E	F	d
18K	33-7/8 (860)	12-3/16 (310)	21-11/32 (542)	13-7/16 (341)	14-1/2 (368)	6-5/8 (168)	7/16*21/32 (11*17)
24K/36K/48K	38-3/8 (975)	14-3/16 (360)	23 (585)	15-1/2 (395)	16-3/4 (425)	7-5/8 (195)	7/16*21/32 (11*17)

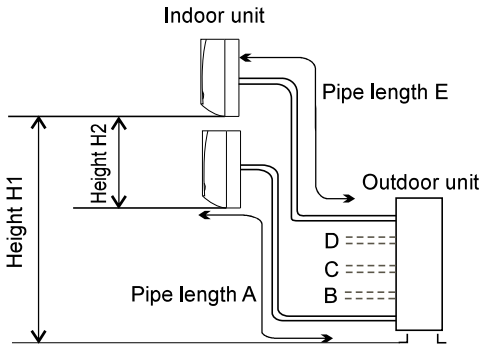


Refrigerant piping

1. Piping requirement

Model(Btu/h)	Outer Diameter of Pipe [in.(mm)]	
	Gas	Liquid
18K/24K/36K/48K	3/8 (9.52)	1/4 (6.35)

The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. The shorter the refrigerant piping is, the better the performance will be. So the connecting pipe should be as short as possible.



Item \ Model		Up to 2 indoor units	Up to 3 indoor units	Up to 4 indoor units	Up to 5 indoor units
		18K	24K	36K	48K
Piping to each indoor unit (A/B/C/D/E)	[ft.(m)]	≤82(25)	≤82(25)	≤82(25)	≤82(25)
Total length of piping between all units	[ft.(m)]	A+B ≤164 (50)	A+B+C ≤230(70)	A+B+C+D≤ 230(70)	A+B+C+D+E ≤262(80)
Max height between indoor unit and outdoor unit (H1)	[ft.(m)]	≤49(15)			
Max height between indoor units (H2)	[ft.(m)]	≤25(7.5)			

Additional refrigerant charge

The unit has been filled with refrigerant, but if L (total pipe length) exceeds standard length, additional refrigerant (R454B) change is required.

For 18K: Additional refrigerant charge=[L-50ft (15m)]×0.16 oz/ft (15g/m)

For 24K: Additional refrigerant charge=[L-75ft (22.5m)]×0.16 oz/ft (15g/m)

For 36K: Additional refrigerant charge=[L-100ft (30m)]×0.16 oz/ft (15g/m)

For 48K: Additional refrigerant charge=[L-125ft (37.5m)]×0.16 oz/ft (15g/m)

2. Piping material

(1) Prepare the copper pipe on the spot.

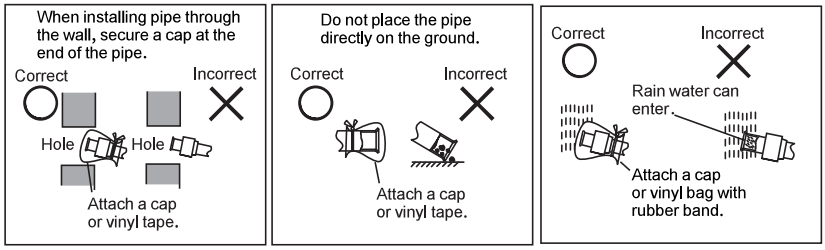
(2) Choose dustless, non-humid, clean copper pipe. Before installing the pipe, use nitrogen or dry air to blow away the dust and impurity on the tube.

Installation instructions

(3) Piping thickness and material use the pipe as below.

Diameter [inch(mm)]	Thickness [inch(mm)]
1/4(Φ6.35)	1/32(0.8)
3/8(Φ9.52)	1/32(0.8)
1/2(Φ12.7)	1/32(0.8)
5/8(Φ15.88)	1/32(1.0)

CAUTION



3. Processing of Refrigerant Piping

(1) Pipe cutting

• Cut the cooper pipe correctly with pipe cutter.

(2) Burrs removal

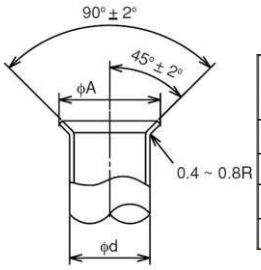
• Completely remove all burrs from the cut cross section of the pipe.

• Put the end of the copper pipe downward to prevent burrs from dropping in the pipe.

(3) Putting nut on

• Remove flare nuts attached to indoor and outdoor units, then put them on pipe having completed burr removal.
(Not possible to put them on after flaring work).

• Flare nut for pipe depending on the diameter of pipe.



inch(mm)

Diameter Φd	$A^{+0}_{-0.4}$
1/4(6.35)	11/32(9.1)
3/8(9.52)	1/2(13.2)
1/2(12.7)	10/16(16.6)
5/8(15.88)	3/4(19.7)

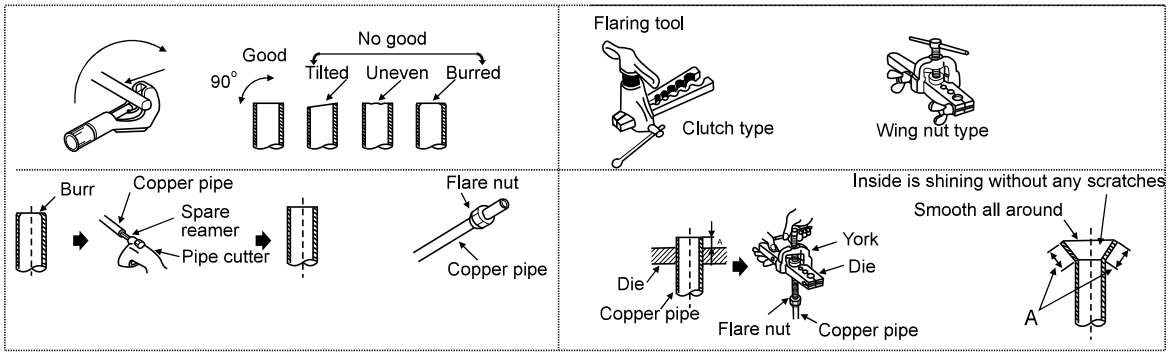
(4) Flaring work

• Perform flaring work using flaring tool as shown below.

(5) Check

• Compare the flared work with the figure below.

• If flare is noted to be defective, cut off the flared section and perform flaring work again.



4. Piping connection

(1) R454B refrigerant is flammable, confirm that the valves are closed.

(2) Connect the indoor unit and the outdoor unit with field-supplied refrigerant piping. Suspend the refrigerant piping at certain points and prevent the refrigerant piping from touching the weak part of the building such as wall, ceiling, etc.
(If touched, abnormal sound may occur due to the vibration of the piping. Pay special attention in case of short piping length.)

(3) Tightening the flare nut use two spanners like figure right.

(4) Apply the refrigerant oil (field-supply) thinly at the seat surface of the flare nut and pipe before connecting and tightening.
And when tightening the flare nut, use two spanners.

(5) Outdoor refrigerant piping should connect with stop valve.

Double Spanner work

Pipe Size [inch(mm)]	Torque
1/4(Φ6.35)	14.75ft-lb (20N·m)
3/8(Φ9.52)	29.5ft-lb (40N·m)
1/2(Φ12.7)	44.25ft-lb (60N·m)
5/8(Φ15.88)	59ft-lb (80N·m)

Tightening Torque for Flare Nut

Installation instructions

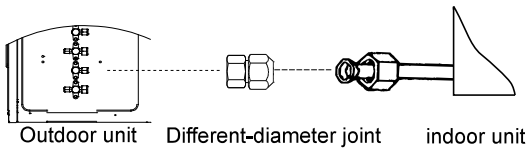
(6) After finishing connecting the refrigerant pipes, keep it warm with the insulation material like figure right.
·For outdoor unit side, surely insulate every piping including valves.
·Cover piping joints with pipe cover.
·Using piping tape, apply taping starting from the entry of outdoor unit. Fix the end of piping tape with adhesive tape.
-Fix the end of piping tape with adhesive tape.
-When piping has to be arranged through above ceiling, closet or area where temperature and humidity are high, wind additional commercially sold insulation for prevention of condensation.

⚠ CAUTION

If the diameter of connection pipe does not match the port size of outdoor unit, select proper different-diameter joints in the accessory according to the following table.

Figure	Purpose
	Change pipe diameter from 1/4 inch (6.35mm) to 3/8 inch (9.52mm)
	Change pipe diameter from 3/8 inch (9.52mm) to 1/2 inch (12.7mm)
	Change pipe diameter from 3/8 inch (9.52mm) to 5/8 inch (15.88mm)

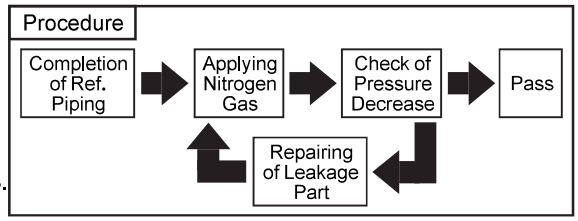
Note: The 18K model does not have this Different-diameter joint.



Connect pipes using different-diameter joint

5. Air tight test

-Do use Nitrogen.
Connect the gauge manifold using charging hoses with a nitrogen cylinder to the check joints of the liquid line and the gas line stop valves.
Perform the air-tight test.
Don't open the gas line stop valves.
Apply nitrogen gas pressure of 600psig (4.15MPa).
Check for any gas leakage at the flare nut connections, or brazed parts by gas leak detector or foaming agent.
Gas pressure doesn't decrease is OK.
After the air tight test, release nitrogen gas.

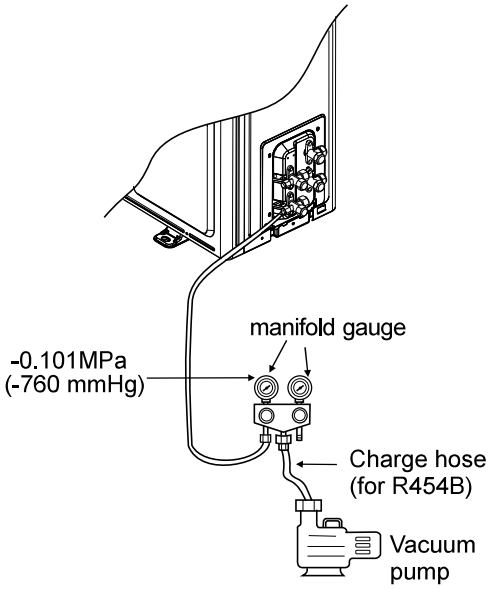


Air tight procedure

6. Vacuum pumping and charge refrigerant

● Vacuum pumping

(1) Remove the service port cap of the stop valve on the gas pipe side of the outdoor unit.
(2) Connect the manifold gauge and vacuum pump to the service port of the stop valve on the gas pipe side of the outdoor unit.
(3) Run the vacuum pump. (Work for more than 15 minutes.)
(4) Check the vacuum with the gauge manifold valve, then close the gauge manifold valve and stop the vacuum pump.
(5) Leave it as is for one or two minutes. Make sure the pointer of the manifold gauge remains in the same position. Confirm that the pressure gauge shows -14.7 psig (-0.101MPa or -760mHg).
(6)Remove the manifold gauge quickly from the service port of the stop valve.
(7) After refrigerant pipes are connected and evacuated, fully open all stop valves on both sides of gas pipe and liquid pipe.
(8) Open adjusted valve to add refrigerant (must be refrigerant is liquid).
(9) Tighten the cap to the service port .
(10) Retighten the cap.
(11) Leak test foam with halogen leak detector to check the flare nut and brazing Carolina Department leaks. Use foam that not generate ammonia (NH3) in the reaction.



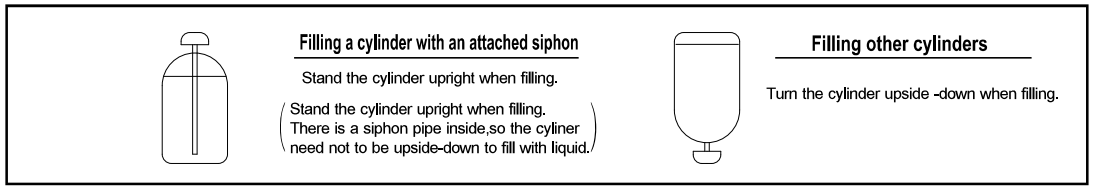
Installation instructions

⚠ WARNING

(1) Each pipelines needs to be evacuated individually.
(2) An excess or a shortage of refrigerant is the main cause of trouble to the unit. Charge the correct refrigerant quantity according to the description of label at the inside of the manual.
(3) Check refrigerant leakage in detail. If a large refrigerant leakage occurs, it will cause danger or even explosion if a fire was being used in the room.

● Additional refrigerant charge

The unit has been filled with refrigerant.
Please according "Piping Requirement" to calculate additional charge.
After vacuum pump procedure has been finished, first exhaust air from charge hose, then open valves, charge refrigerant as "liquid" type through Liquid stop valve.
At the end, please close valves and record the refrigerant charging quantity.



Wiring

⚠ WARNING

- Turn OFF the main power switch to the indoor unit and the outdoor unit and wait for more than 3 minutes before electrical wiring work or a periodical check is performed.
- Check to ensure that the indoor fan and the outdoor fan have stopped before electrical wiring work or a periodical check is performed.
- Protect the wires, electrical parts, etc. from rats or other small animals. If not protected, rats may gnaw at unprotected parts and at the worst, a fire will occur.
- Avoid the wirings from touching the refrigerant pipes, plate edges and electrical parts inside the unit. If not do, the wires will be damaged and at the worst, a fire will occur.
- Install an ELB (Electric Leakage Break)in the power source. If ELB is not used, it will cause electric shock or fire at the worst.
- This unit uses an inverter, which means that it must be used an earth leak detector capable handing harmonics in order to prevent malfunctioning of the earth leak detector itself.
- Do not use intermediate connection wires, stranded wires(see **<Attentions when Connect the power supply wiring>**), extension cables or control line connection, because the use of these wires may cause fever, electric shock or fire.
- The tightening torque of each screw shall be as follows.
  M4: 0.7 to 1.0 lbf·ft. (1.0 to 1.3 N·m)
  M5: 1.5 to 1.8 lbf·ft. (2.0 to 2.5 N·m)
  M6: 3.0 to 3.7 lbf·ft. (4.0 to 5.0 N·m)
  M8: 6.6 to 8.1 lbf·ft. (9.0 to 11.0 N·m)
  M10: 13.3 to 17.0 lbf·ft. (18.0 to 23.0 N·m)
  Keep the above tightening torque when wiring work.

⚠ CAUTION

- With tape material along the wire wrapped, sealed wiring holes, prevent the condensed water and insects.
- Tightly secure the power source wiring using the cord clamp inside the unit.

NOTE: Fix the rubber bushes with adhesive when conduit tubes to the outdoor unit are not used.

Installation instructions

General Check

(1) Make sure that the field-selected electrical components (main power switches, circuit breakers, wires, conduit connectors and wire terminals) have been properly selected according to the electrical data.
Make sure that the components comply with National Electrical Code (NEC).

(2) Check to ensure that the voltage of power supply is within +10% of nominal voltage and earth phase is contained in the power supply wires. If not, electrical parts will be damaged.

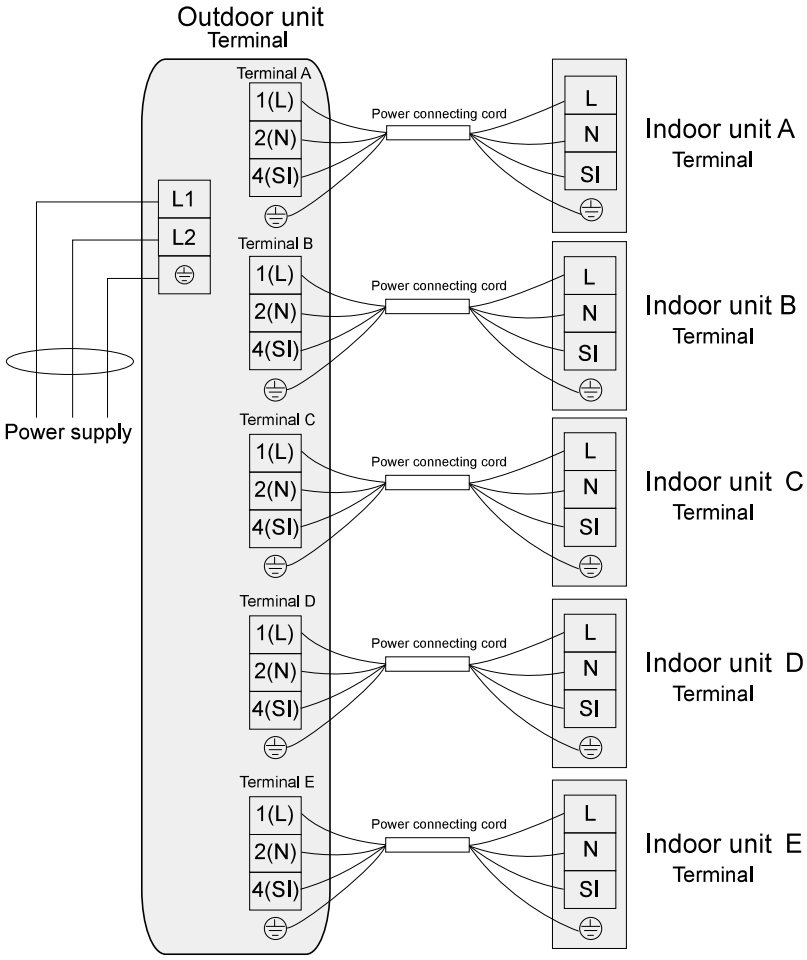
(3) Check to ensure that the capacity of power supply is enough.
If not, the compressor will be not able to operate cause of voltage drop abnormally at starting.

(4) Check to ensure that the earth wire is connected.

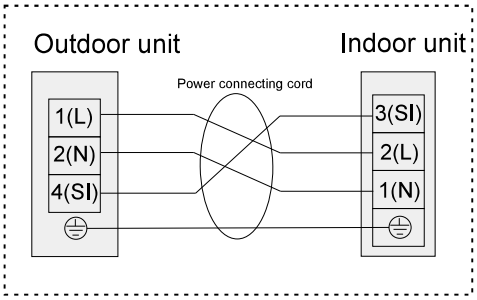
(5) Install a main switch ,multi-pole main switch with a space of 1/8 in. (3.5mm) or more, single phase main switch with a space of 1/8 in. (3.0mm) or more between each phase. Please use the special three-phase power switch for 3-Phase product.

(6) Check to ensure that the electrical resistance is more than 2 MΩ, by measuring the resistance between ground and the terminal of the electrical parts.
If not, do not operate the system until the electrical leakage is found and repaired.

Electrical wiring diagram



Note: For some indoor units

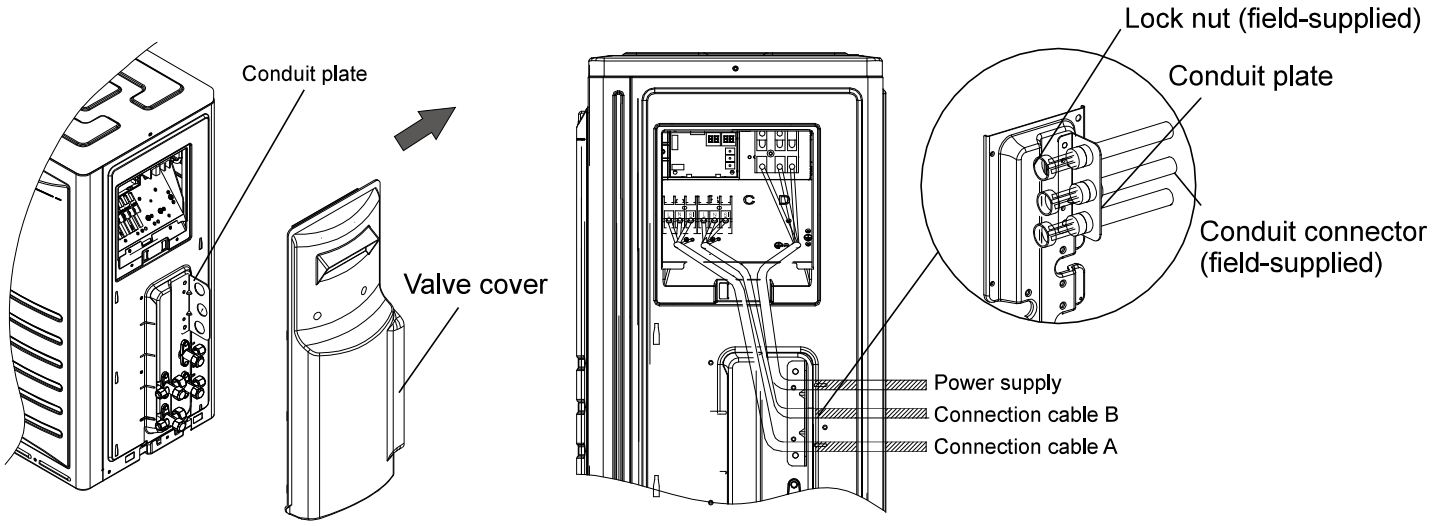


NOTES:
1. For 18K model, there is no INDOOR UNIT C, D and E.
2. For 24K model, there is no INDOOR UNIT D and E.
3. For 36K model, there is no INDOOR UNIT E.
4. Since there is some difference between the terminal panel in the diagram and the real one, the wire connecting operation should be done according to the letters on the panel, please neglect the numbers on it.

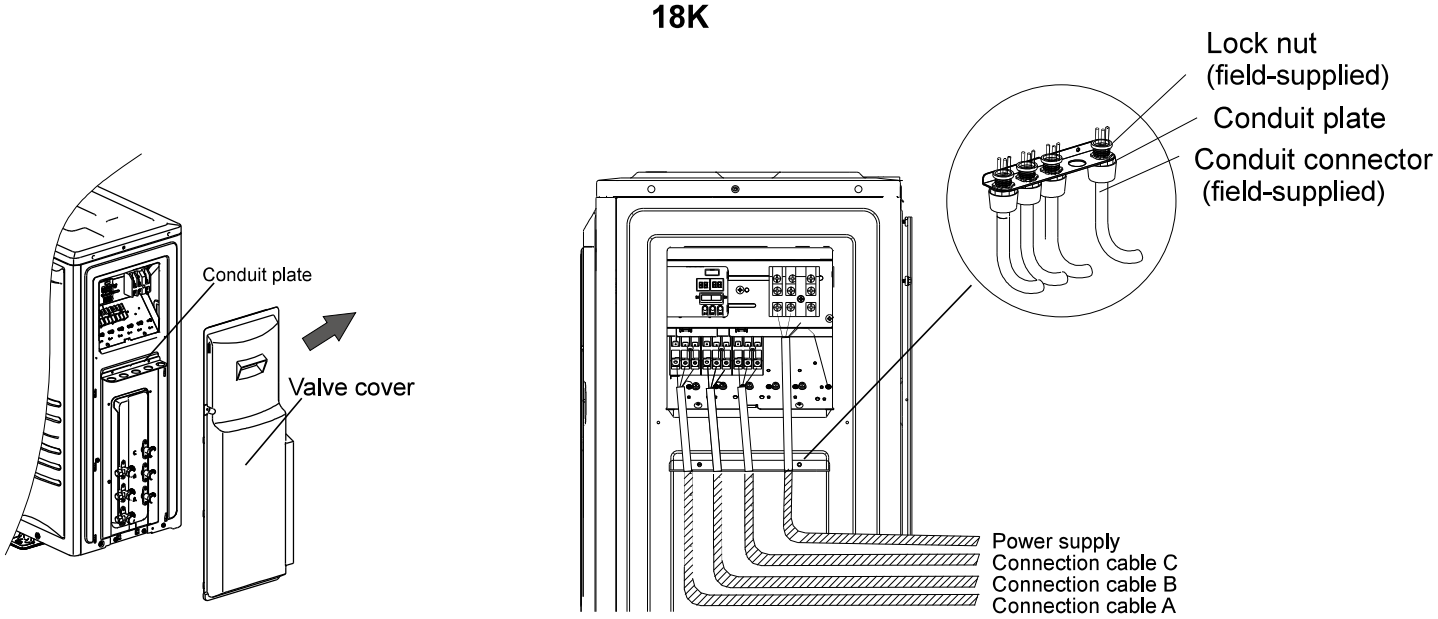
Installation instructions

Wires connect steps:

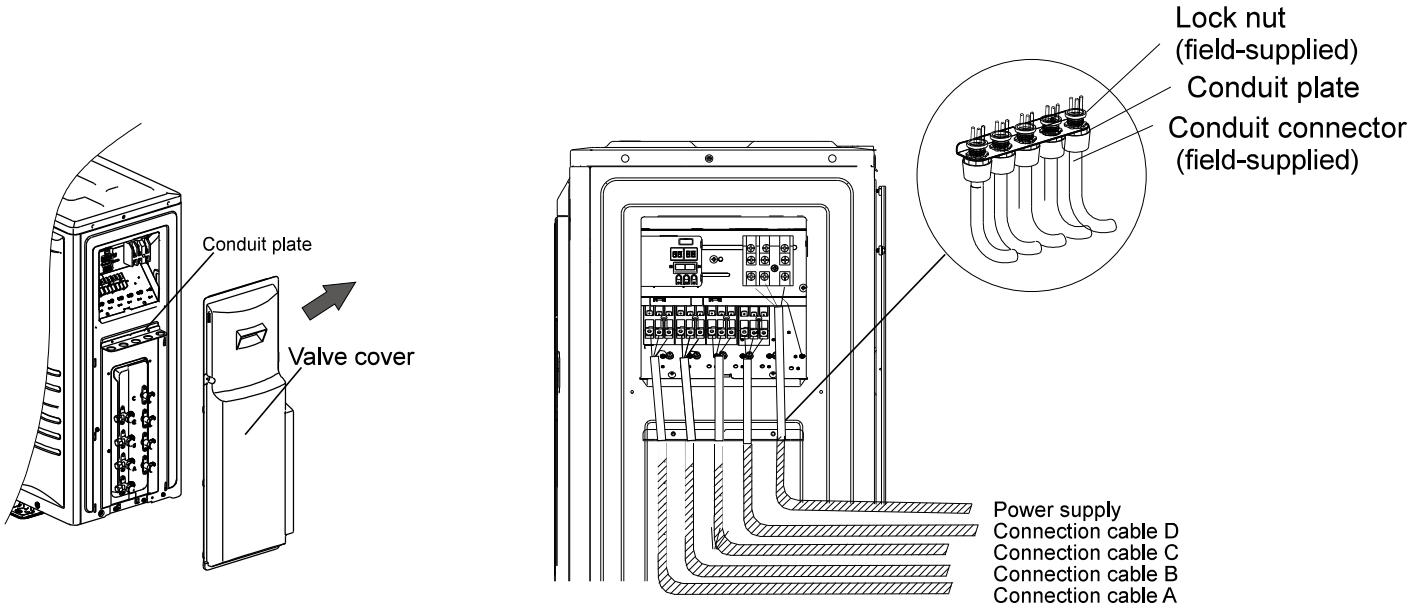
(1) Valve cover removal
Remove the two mounting screws.
Remove the valve cover as shown by the arrow mark.
(2) Fasten the power supply cable and the connection cable to the conduit holder using the lock nut.
(3) Connect the power supply cable and the connection cable to terminal.
(4) Fasten the power supply cable and the connection cable with the cable clamp.
(5) Be sure to seal the holes when applying the putty.
Place the cables side to side.(Do not overlap the cables.)
(6) Put the service cover and valve cover back after completion of the work.



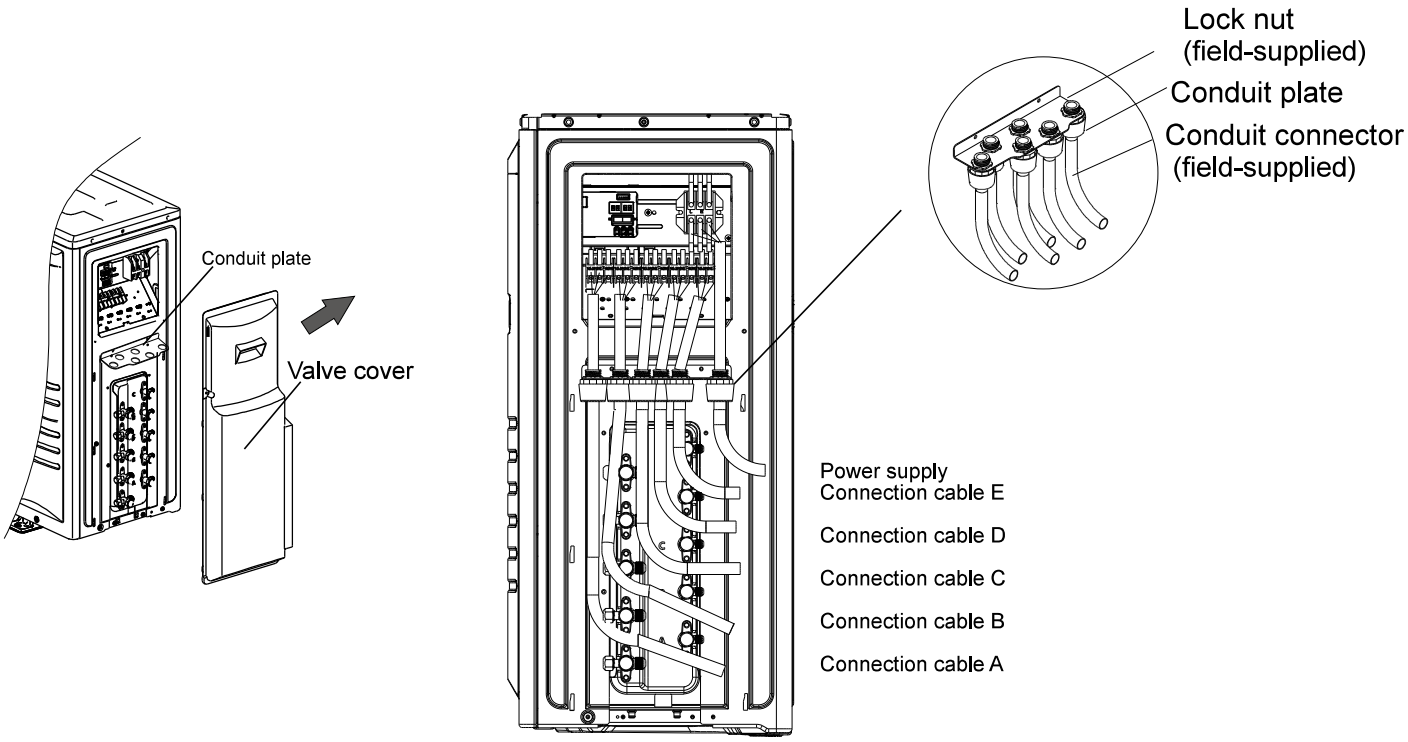
18K



24K


Lock nut
(field-supplied)
Conduit plate
Conduit connector
(field-supplied)
Conduit plate
Valve cover
Power supply
Connection cable D
Connection cable C
Connection cable B
Connection cable A

36K


Lock nut
(field-supplied)
Conduit plate
Conduit connector
(field-supplied)
Conduit plate
Valve cover
Power supply
Connection cable E
Connection cable D
Connection cable C
Connection cable B
Connection cable A

48K

Installation instructions

Electrical Data

Model (Capacity: Btu/h)	Power Supply	ELB		Power Source Cable Size	Transmitting Cable Size	Circuit Breaker (A)
		Rated Current (A)	Nominal Sensitive Current (mA)			
18K	208/230V ~/60Hz	30	30	3*12AWG	4*16AWG	30
24K	208/230V ~/60Hz	40	30	3*12AWG	4*16AWG	40
36K	208/230V ~/60Hz	50	30	3*8AWG	4*16AWG	50
48K	208/230V ~/60Hz	60	30	3*8AWG	4*16AWG	60

Max. Running Current (A): REFER TO NAMEPLATE

Note:

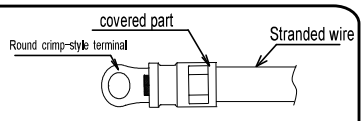
(1) Follow local codes and regulations when select field wires, and all the above are the minimum wire size.

(2) 18AWG. color-coded low voltage wire should be used for lengths less than 100ft(30m). For wire lengths than 100ft.(30m), 16AWG. wire should be used. When transmitting cable length is longer than 262ft. (80m), a larger wire size should be selected.

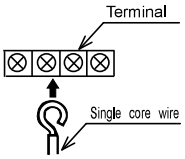
(3) Install main switch and ELB for each system separately. Select the high response type ELB that is acted within 0.1second.

<Attentions when Connect the power supply wiring>

1. When connecting the terminal block using stranded wire, make sure to use the round crimp-style terminal for connection to the power supply terminal block. Place the round crimp-style terminals on the wires up to the covered part and secure in place.



2. When connecting the terminal block using a single core wire, be sure to perform curing.



Installation instructions

Test run

Test run should be performed after refrigerant piping, drain, wiring, etc. have been finished.

⚠CAUTION

The heat pump air conditioner is provided with a crankcase heater, check to ensure that the switch on the main power source has been ON for more than 6 hours ahead of power on preheating, otherwise it might damage the compressor!

Do not operate the system until all the check points have been cleared.
(A) Check to ensure that the stop valves of the outdoor unit are fully opened.
(B) Check to ensure that the electric wires have been fully connected.
(C) Check to ensure that the electrical resistance is more than 2MΩ, by measuring the resistance between ground and the terminal of the electrical parts. If not, do not operate the system until the electrical leakage is found and repaired.

Test run function identification
Operate the thermostat to turn ON the appliance, and then proceed test run.
Pay attention to the following items while the system is running.
Do not touch any of the parts by hand at the discharge gas side, since the compressor chamber and the pipes at the discharge side are heated higher than 194℉ (90℃) .

● Turn off the power after test run is finished.
Installation of the appliance is generally finished after the above operations are done. If you still have any trouble, please contact local technical service center of our company for further information.

Part III
Service manual

Contents

Part III. Service Manual

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3. Troubleshooting 119
3.1 Trouble Guide 119
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4.1 Check Refrigerant System 133
4.2 Check Parts Unit 135
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5. Disassembly and Assembly for Compressor and Motor 144

1. Function and Control

1.1 Control mode

1) Cooling Anti-freeze Protection

To prevent freezing caused by too low temperature of indoor evaporator, the air conditioner will implement real-time detection over the indoor coil temperature. If the indoor coil temperature is too low, the compressor will be prohibited from increasing the frequency or decrease the frequency even shut down automatically

2) Heating Overload Protection

To prevent system overload caused by excessive pressure in heating operation, the machine will implement real-time detection over the indoor fan-coil temperature:

If the indoor coil temperature grows higher, the compressor will be prohibited from increasing the frequency; If the temperature continues to rise, the compressor will decrease the frequency; If the indoor coil temperature is too high, the compressor will stop working immediately. The compressor then will reboot after the indoor coil temperature reduces.

3) Cooling Overload Protection

To prevent system overload due to excessive pressure during cooling operation, the machine will implement real-time detection over the outdoor condenser coil temperature:

If the outdoor coil temperature grows higher, the compressor will be prohibited from increasing the frequency; If the temperature continues to rise, the compressor will decrease the frequency;
If the outdoor fan-coil temperature is too high, then the compressor will stop working immediately. The compressor will reboot after the outdoor coil temperature reduces.

4) Discharge Temperature Protection

To prevent working conditions of compressor from deteriorating due to high discharge temperature, the machine will implement real-time detection over the discharge temperature.

If the discharge temperature grows higher, the compressor will be prohibited from increasing the frequency; if the temperature continues to rise, the compressor will decrease the frequency automatically; if the discharge temperature is too high, the compressor will stop working immediately. The compressor will then reboot when the discharge temperature returns to normal condition.

5) Oil-return Control

When the compressor continues to operate at low frequency, there will be an oil return. The compressor increases the frequency, and thus to return the oil in refrigerate system to the compressor.

6) Operation Mode

a. Mode Categori

Air conditioning mode is the operation mode set by users through remote controller, four modes are available: cooling, heating, dehumidification, as well as fan mode.

b. Mode conflict

The operating mode of outdoor unit is decided by the operating mode of the indoor unit firstly booted. Indoor unit subsequently booted will firstly determine whether it's own mode is conflict with the outdoor mode. If so, the indoor unit will automatically shut down after three beeps; If there is no conflict, the indoor unit will boot normally. The relationship of mode conflict is as follows:

Driven choice / Active mode	Cooling	Dehumidification	Heating	fan
Cooling	√	√	×	√
Dehumidification	√	√	×	√
Heating	×	×	√	×
Fan	√	√	×	√

√————Mode conflict will not happen

×————Mode conflict will happen

7) Outdoor four-way Valve Control

Four-way valve of the outdoor machine shuts down when cooling but starts when heating. The operation of heating defrosting refers to defrosting operation and, when the heating remote shutdown, the four-way valve disconnects in 50s when the compressor stops working.

8) Start-up Protection

To prevent compressor from restart frequently in the condition that system pressure has not been completely balanced, it can't be restarted within 3 minutes.

9) Pressure Protection

Pressure switch is normally kept open. When the pressure grows too high, the pressure switch will close and soft will enter pressure protection control. soft will automatically decrease the frequency. If the pressure is still unable to return to normal condition after decreasing frequency, compressor will stop and report the fault code of pressure protection.

1. FUNCTION AND CONTROL

1.2 Control Logic Description

Contents

1) Sensors in HVAC Systems
   1.1 Discharge temperature sensor
   1.2 Suction sensor
   1.3 Outdoor coil temperature sensor
   1.4 Outdoor ambient temperature sensor
   1.5 Defrosting sensor
   1.6 Gas tube sensor
   1.7 Liquid tube sensor
2) Compressor Frequency Control
   2.1 Compressor frequency control
3) Electronic Expansion Valve Control
   3.1 Opening control during powering on
   3.2 Control of electronic expansion valves during cooling
   3.3 Control of electronic expansion valves during heating
4) Indoor/Outdoor Fan Speed Control
   4.1 Speed control in cooling mode
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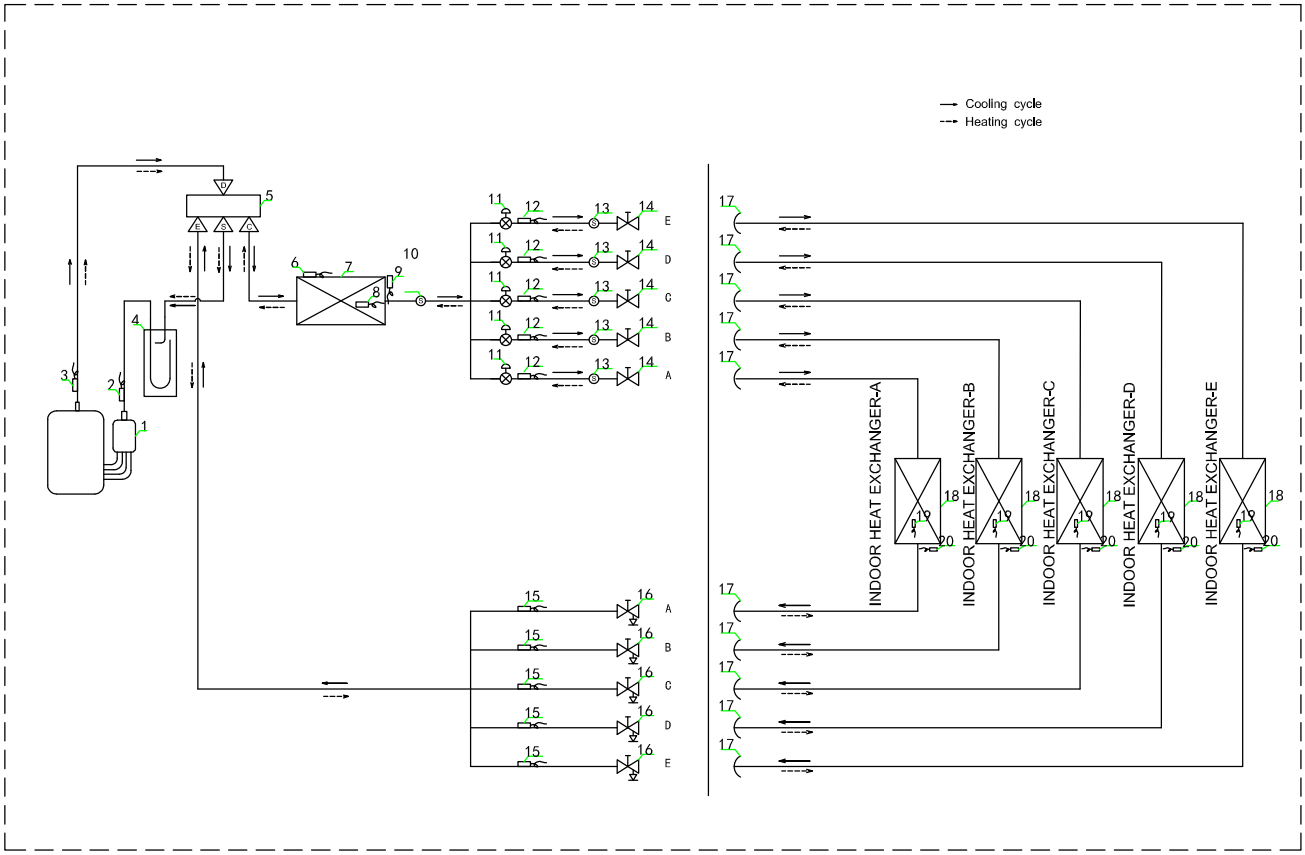
5) Defrost Control
   5.1 Frosting judgment criteria
   5.2 Defrost control entry
   5.3 Defrost end conditions
6) System Protection
   6.1 Exhaust protection/overload cooling/overload heating/anti-freezing during cooling
   6.2 Compressor current protection
7) Other Control Modes

1. FUNCTION AND CONTROL

1) Sensors in HVAC Systems



List of component names					
8	Coil temperature sensor	16	Stop valve(Needle)		
7	Outdoor heat exchanger	15	Liquid tube temperature sensor		
6	Ambient temperature sensor	14	Stop valve		
5	4-Way valve	13	Strainer		
4	Gas-Liquid separator	12	Gas tube temperature sensor	20	Ambient temperature sensor
3	Discharge temperature sennor	11	Electronic expansion value	19	Coil temperature sensor
2	Suction temperature sennor	10	Strainer	18	Indoor heat exchanger
1	Two-rotor compressor	9	Frost temperature sensor	17	Hexagon nut
No.	Apellation	No.	Apellation	No.	Apellation

a. Discharge temperature sensor

It is designed to detect and control the temperature at the compressor discharge port. When the discharge temperature is too high, the compressor will run at low frequency or shut down.

b. Suction sensor

It is designed to detect the temperature of the compressor suction port to calculate the suction superheat (SSH).

c. Outdoor coil temperature sensor

It is designed to detect the temperature in the middle of the outdoor condenser. When the temperature is too high, the compressor will run at low frequency or shut down. Additionally, it is used to:

1. In cooling mode, detect the coil temperature to calculate the superheat and control the opening of the electronic expansion valve;
2. In cooling mode, execute the system overload control;
3. In heating mode, detect the temperature and control defrost entry

d. Outdoor ambient temperature sensor

It is designed to perform initial control for the outdoor fan, constrain current, and determine low-temperature cooling

e. Defrosting sensor

It is designed to determine defrost entry and exit, and calculate the superheat

f. Gas tube sensor

It is to regulate the electronic expansion valve for cooling and heating

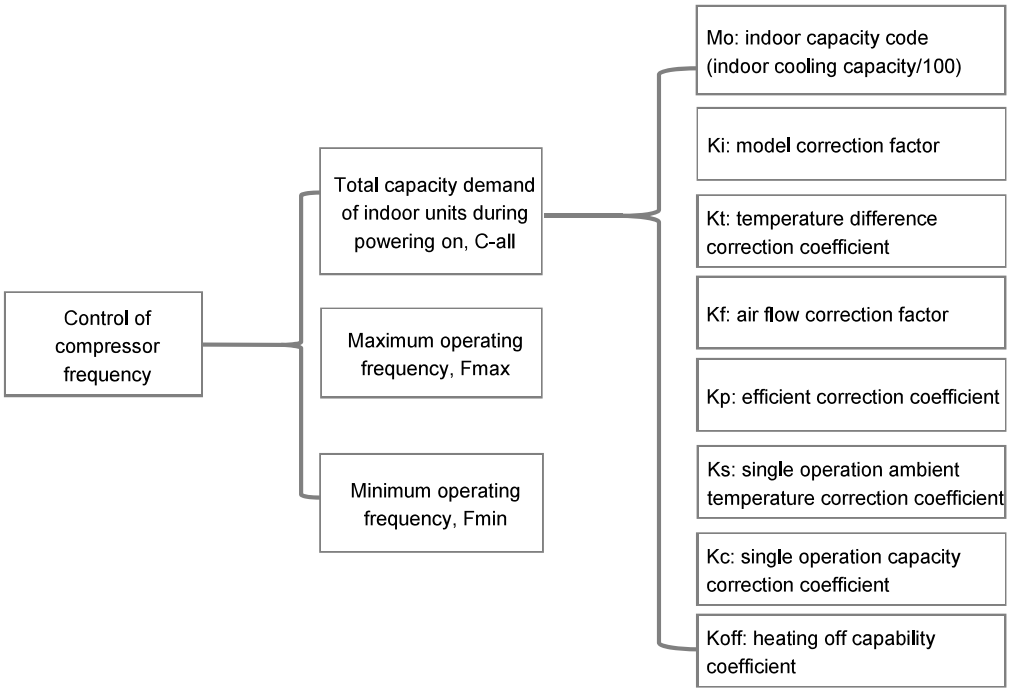
g. Liquid tube sensor

It is designed to regulate the electronic expansion valve for cooling and heating and control the correction of the expansion valve

2) Compressor Frequency Control

a. Compressor frequency control

The compressor's frequency is controlled using a proportional algorithm, which is proportional to the total demand of the internal units.



3) Electronic Expansion Valve Control

a. Opening control during powering on

Reset: Each time the power is turned on or the compressor is turned off, the electronic expansion valves close to the minimum opening and then open to the opening in standby mode in turn.

Initial opening: After powering on, the electronic expansion valve enters the initial opening first, and then regulation control only after operating for some time.

Note: When the cooling or heating is to be turned on and operating, if the power is accidentally disconnected, the cooling will fail to be turned on, the electronic expansion valve of the internal unit will be closed, and the refrigerant will not be discharged from the tube; the heating will fail to be turned on, and the electronic expansion valve of the heating part will have a certain degree of opening.

b. Control of electronic expansion valves during cooling

When cooling is enabled, the indoor units are controlled by referring to the evaporation superheat.

When no unit is turned on, all electronic expansion valves close fully, and no refrigerant is allowed to pass through.

After the compressor is turned on for some time, the DSH control is enabled to correct the electronic expansion valve.

c. Control of electronic expansion valves during heating

When heating is enabled, the indoor units are controlled by referring to the superheat:

When no unit is turned on, the opening of the electronic expansion valves is controlled to the minimum value, and only a small amount of refrigerant is allowed to pass through.

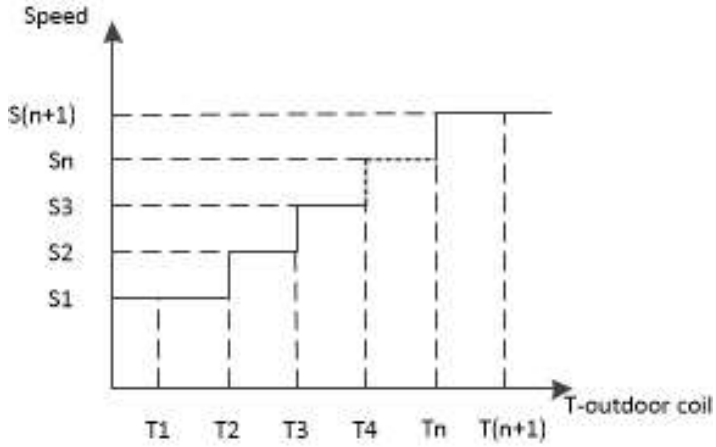
After the compressor is turned on for some time, the DSH control is enabled to correct the electronic expansion valve.

4) Indoor/Outdoor Fan Speed Control

The outdoor fan is equipped with a DC motor with multiple air speed gears. During cooling, the initial wind speed should be determined first based on the external temperature and maintained for 1 minute before normal control.

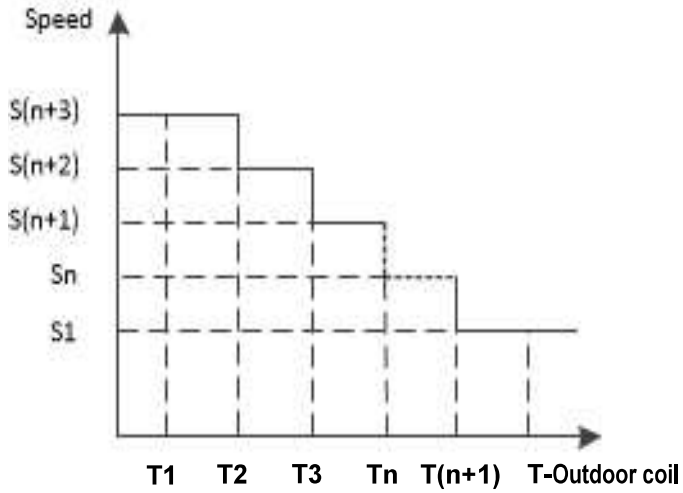
a. Speed control in cooling mode

In cooling mode, the higher the outdoor ambient temperature, the greater the initial outdoor air speed; different initial speed gears are set according to the different outdoor ambient temperatures.



b. Speed control in heating mode

In heating mode, the lower the outdoor ambient temperature, the higher the initial outdoor air speed; different initial speed gears are set according to the different outdoor ambient temperatures.



5) Defrost Control

a. Frosting judgment criteria

After the compressor has been operating continuously for a certain time, whether the outdoor unit has frost can be comprehensively judged based on the outdoor ambient temperature and outdoor coil temperature. If these temperatures reach the preset value, and it operates for a certain time, it will be judged that frost has formed.

b. Defrost control entry

Stop the compressor first, turn off indoor and outdoor fans simultaneously, adjust the electronic expansion valve to an opening of defrosting, close the four-way valve, and start the compressor to defrost frequency for defrosting.

c. Defrost end conditions

Condition 1: Defrosting has been running for a certain time (the time is set by the memory)

Condition 2: T outdoor coil is ≥ preset temperature for 30s

When any of the above conditions is met, it is judged that the frost has been completely removed.

6) System Protection

a. Exhaust protection/overload cooling/overload heating/anti-freezing during cooling

Shutdown control: When the temperature exceeds the shutdown temperature for 10 seconds, shutdown control will be enabled, and a fault code will be displayed.

Frequency reduction control: When the temperature exceeds the frequency reduction temperature, the compressor first reduces the frequency and detects it every few minutes.

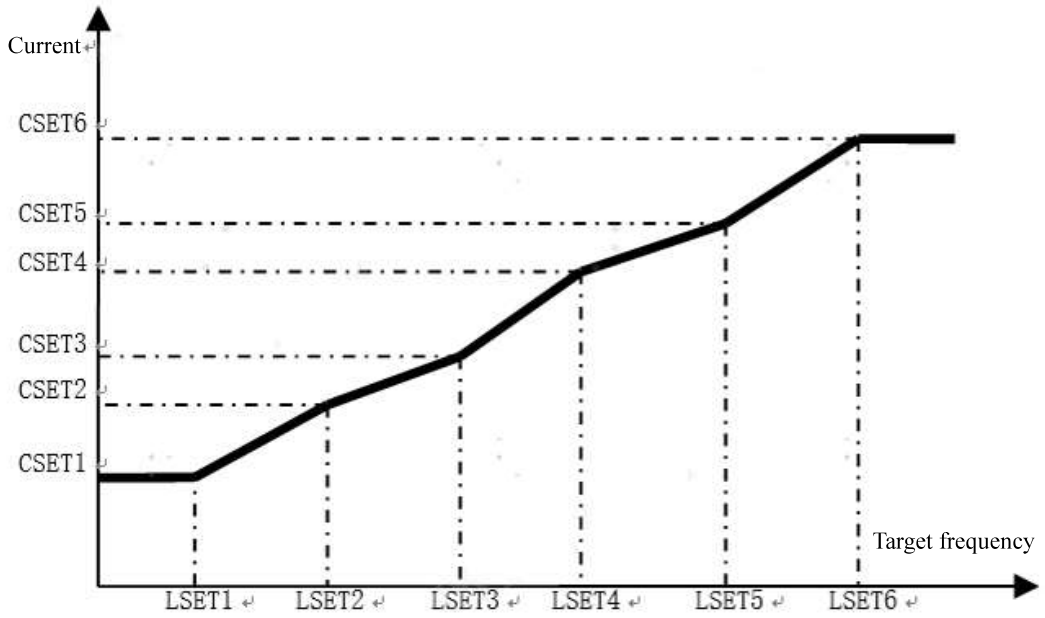
If frequency reduction is required, the frequency will be reduced by 5 Hz; if frequency reduction is not required, frequency reduction control will be disabled.

Frequency limiting control: When the temperature rises or falls to the frequency limiting temperature, the frequency of the compressor can only be reduced, not be increased.

Category	Exhaust	Overload cooling	Overload heating	Anti-freezing during cooling
Frequency limiting temperature	Td1	Trl1	Thl1	Tf1
Frequency reduction temperature	Td2	Trl2	Thl2	Tf2
Shutdown temperature	Td13	Trl3	Thl3	Tf3
Remark	Frequency limiting – frequency reduction – shutdown temperature, exhaust temperature increases in sequence	Frequency limiting – frequency reduction – shutdown temperature, overload cooling temperature increases in sequence	Indoor unit shutdown shielding; frequency limiting – frequency reduction – shutdown temperature, overload heating temperature increases in sequence	Frequency limiting – frequency reduction – shutdown temperature, anti-freezing temperature during cooling decreases in sequence

b. Compressor current protection

The outdoor unit has different current protection value settings for different target frequencies.



7) Other Control Modes

The indoor units have functions of automatic, energy-saving, sleep, and heating at 8°C, which are also supported by multi-split outdoor units. Currently, the multi-split unit only supports indoor self-cleaning.

When the multi-split indoor unit is in automatic mode, please note the node conflict.

Slave Mode Active Mode	Cooling	Dehumidification	Heating	Air supply	Automatic mode
Cooling	√	√	×	√	Cooling/dehumidification/air supply, √; heating, ×
Dehumidification	√	√	×	√	Cooling/dehumidification/air supply, √; heating, ×
Heating	×	×	√	×	Cooling/dehumidification/air supply, ×; heating, √
Air supply	√	√	×	√	Cooling/dehumidification/air supply, √; heating, ×
Automatic mode	√ ×	√ ×	√ ×	√ ×	Mode of the first unit that is automatically judged shall prevail

① When the compressor is not operating:

a. The first indoor unit starts automatic mode: The indoor unit automatically determines whether to operate in cooling, ventilation, or heating mode based on the ambient temperature. The indoor unit that is started by a remote control thereafter or in automatic mode must not conflict with the mode of the first indoor unit to operate normally. Otherwise, it will be handled as a mode conflict.

b. The first indoor unit starts cooling, ventilation, or heating mode: The indoor unit that is started by a remote control thereafter or in automatic mode must not conflict with the mode of the first indoor unit to operate normally. Otherwise, it will be handled as a mode conflict.

c. When there is an indoor unit equipped with a temperature-controlled shutdown system, the indoor unit is started by a remote control thereafter or in automatic mode must not conflict with the temperature-controlled shutdown mode of the indoor unit to operate normally. Otherwise, it will be handled as a mode conflict.

② When the compressor is operating:

The indoor unit that is started by a remote control thereafter or in automatic mode can operate normally only when its mode is the same as that of the current outdoor unit. Otherwise, it will be handled as a mode conflict.

2. FIELD SETTING

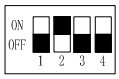
2.1 Field setting

DIP setting

DIP Switch Setting of Outdoor Unit

TURN ON all power sources before setting.

Mark of "■" indicates the position of DIP switches.

S5 Dip switch setting		S4 Dip switch setting	
Factory setting		Factory setting	
Capacity: silence		Pump Down Switch	
Cooling Only		Forced defrosting	

1. Force defrosting mode

By default setting is OFF.

OFF -- Automatic defrosting mode

ON ---- Manual defrosting mode

Operation is valid when the dial is switched from OFF to ON state.

OPERATION:

When the outdoor unit runs in heating mode, and the dial is switched from OFF to ON, then it will run the manual defrosting mode once.

2. Silence mode

By default setting is OFF.

OFF ----Normal mode.

ON---- Silence mode

Operation is valid when the dial is ON.

Silence mode:

Under the silence mode, the outdoor unit fan will run in medium fan speed at most.

3. Pump down mode

Actions :

The compressor runs with the target frequency, and without any protection when frequency rises; The EEV runs with setting opening; Outdoor unit fan will run with the set fan speed.

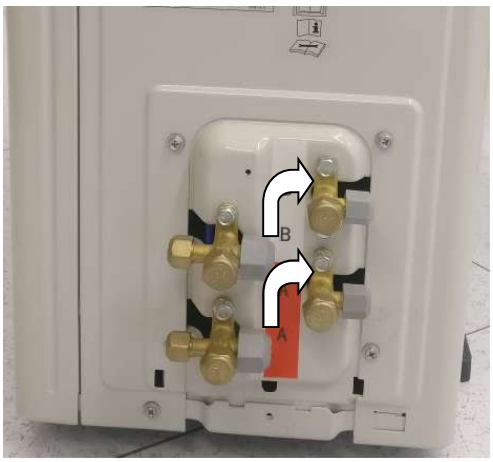
Operation procedures:

The thermostat is turned off during the whole process. Please power off before operation.

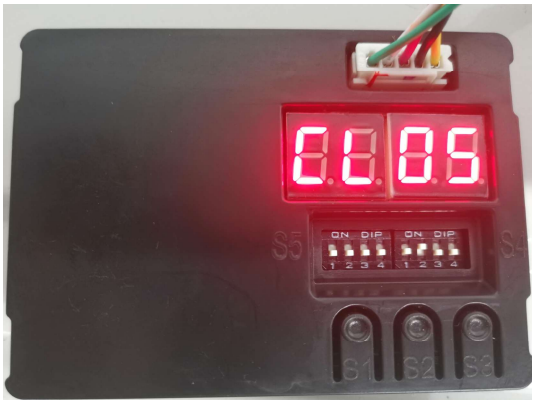
Step 1:

Open the wiring cover on the right side of the machine. Step 2:

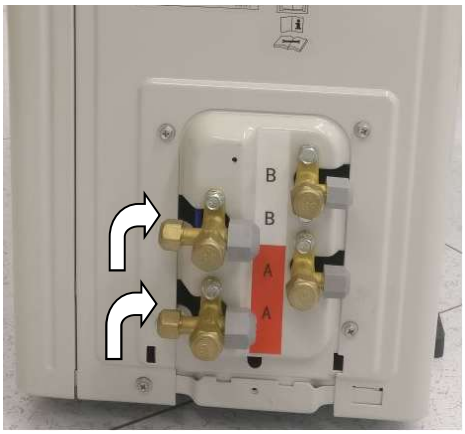
Close all the stop valves of the liquid piping with an Allen wrench in a clockwise direction.



Step 3:
Switch on the machine power.
Step 4:
Switch S4-2 to ON position on the checker board, the outdoor unit starts, and the current frequency value is displayed on the LED digital tube of the checker board.
Step 5:
The frequency value will keep changing until "CLOS" is displayed on the LED digital tube of the checker board, then please check whether the liquid stop valve is closed.



Step 6:
When "GOOD" is displayed on the LED digital tube of the checker board, please close all the stop valves of the gas piping with an Allen wrench in a clockwise direction within 10s.



Step 7:
Cut off machine power and the procedure for recovering refrigerant is finished.

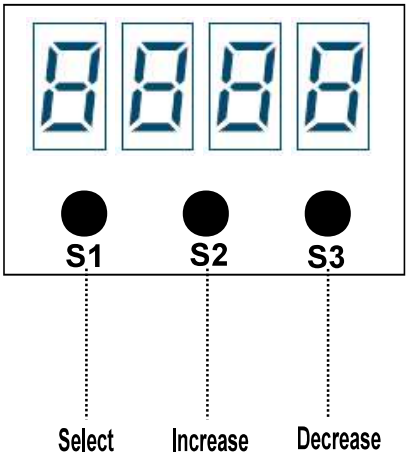
4. Cooling only mode

By default setting is OFF.
OFF ----Cooling only mode is invalid.
ON---- Cooling only mode
Operation is valid when dial is switched from OFF to ON state before power on.
Cooling only mode
Heating mode is invalid during this mode.

2. FIELD SETTING

Running Parameter Query

For up to 3 IDUs/ up to 4 IDUs/ up to 5 IDUs series, outdoor running parameters can be checked by 7 segment display.



There are 3 buttons on the digital display board:
1) Select button: Select to display outdoor/indoor unit parameter.
"P." -- Parameter of outdoor unit
"A." -- Parameter of indoor unit A
"b." -- Parameter of indoor unit B
"C."-- Parameter of indoor unit C
"d." -- Parameter of indoor unit D
"E." -- Parameter of indoor unit E
2) INCREASE button: Each time it is pressed, the number rises by 1.
3) DECREASE button: Each time it is pressed, the number lowers by 1.
The parameter content will automatically display after the parameter code is selected for 3s.

Parameters can be checked as the table below.

Parameter Code	Descriptions	Parameter Code	Descriptions
P.0	Fault codes	A.1	Unit A fault codes
P.1	Compressor actual frequency	A.2	Unit A valve actual opening
P.2	Compressor driving frequency	A.4	Unit A liquid pipe temperature
P.4	Compressor target frequency	A.5	Unit A gas pipe temperature
P.5	Compressor exhaust temperature	A.6	Unit A coil temperature
P.6	Outdoor suction Temperature	A.7	Unit A ambient temperature
P.7	Outdoor ambient temperature	A.8	Unit A set temperature
P.8	Outdoor coil temperature	A.9	Unit A capacity
P.9	Outdoor defrosting temperature	A.10	Unit A set fan speed
P.10	IPM module temperature	A.11	Unit A actual suction overheating (cooling)
P.11	Outdoor capacity requirement	B.1	Unit B fault codes
P.12	IPM fault codes	B.2	Unit B valve actual opening
P.13	Outdoor DC Motor target speed	B.4	Unit B liquid pipe temperature
P.14	AC input current	B.5	Unit B gas pipe temperature
P.15	AC input voltage	B.6	Unit B coil temperature
P.16	DC bus voltage	B.7	Unit B ambient temperature
P.17	Compressor phase current	B.8	Unit B set temperature
P.18	Frequency limit code	B.9	Unit B capacity
P.20	Target suction overheating	B.10	Unit B set fan speed
P.21	Target exhaust overheaingt	B.11	Unit B actual suction overheating (cooling)
P.22	Actual suction overheating (heating)		
P.23	Actual exhaust overheating (heating)		

2. FIELD SETTING

Parameter Code	Descriptions	Parameter Code	Descriptions
C.1	Unit C fault codes	E.1	Unit E fault codes
C.2	Unit C valve actual opening	E.2	Unit E valve actual opening
C.4	Unit C liquid pipe temperature	E.4	Unit E liquid pipe temperature
C.5	Unit C gas pipe temperature	E.5	Unit E gas pipe temperature
C.6	Unit C coil temperature	E.6	Unit E coil temperature
C.7	Unit C ambient temperature	E.7	Unit E ambient temperature
C.8	Unit C set temperature	E.8	Unit E set temperature
C.9	Unit C capacity	E.9	Unit E capacity
C.10	Unit C set fan speed	E.10	Unit E set fan speed
C.11	Unit C actual suction overheating (cooling)	E.11	Unit E actual suction overheating (cooling)
D.1	Unit D fault codes		
D.2	Unit D valve actual opening		
D.4	Unit D liquid pipe temperature		
D.5	Unit D gas pipe temperature		
D.6	Unit D coil temperature		
D.7	Unit D ambient temperature		
D.8	Unit D set temperature		
D.9	Unit D capacity		
D.10	Unit D set fan speed		
D.11	Unit D actual suction overheating (cooling)		

Note： The right is therefore reserved to EE changing without notice.

2. FIELD SETTING

2.2 Test Run

Test run should be performed after refrigerant piping, drain, wiring, etc. have been finished.

⚠ CAUTION

The heat pump air conditioner is provided with a crankcase heater, check to ensure that the switch on the main power source has been ON for more than 6 hours ahead of power on preheating, otherwise it might damage the compressor!

Do not operate the system until all the check points have been cleared.
(A) Check to ensure that the stop valves of the outdoor unit are fully opened.
(B) Check to ensure that the electric wires have been fully connected.
(C) Check to ensure that the electrical resistance is more than 2MΩ, by measuring the resistance between ground and the terminal of the electrical parts. If not, do not operate the system until the electrical leakage is found and repaired.

Test run function identification
Operate the thermostat to turn ON the appliance, and then proceed test run.
Pay attention to the following items while the system is running.
Do not touch any of the parts by hand at the discharge gas side, since the compressor chamber and the pipes at the discharge side are heated higher than 194℉ （90℃）.

● Turn off the power after test run is finished.
Installation of the appliance is generally finished after the above operations are done. If you still have any trouble, please contact local technical service center of our company for further information.

3. Troubleshooting

3.1 Trouble Guide

Troubleshooting for normal malfunction

Troubleshooting	Possible Reason of Abnormality	How to Deal With
Air conditioner can not start up	1. Power supply failure; 2. Trip of breaker or blow of fuse; 3. Power voltage is too low; 4. Improper setting of remote controller ; 5. Remote controller is short of power.	1. Check power supply circuit; 2. Measure insulation resistance to ground to see if there is any leakage; 3. Check if there is a defective contact or leak current in the power supply circuit; 4. Check and set remote controller again; 5. Change batteries.
The compressor starts or stops frequently	The air inlet and outlet has been blocked.	Remove block obstacles.
Poor cooling/heating	1. The outdoor heat exchanger is dirty, such as condenser; 2. There are heating devices indoors; 3. The air tightness is not enough. People come in and out too frequently. 4. Block of outdoor heat exchanger; 5. Improper setting of temperature.	1. Clean the heat exchanger of the outdoor unit, such as condenser ; 2. Remove heating devices; 3. Keep certain air tightness indoors; 4. Remove block obstacles; 5. Check and try to set temperature again.
Sound from deforming parts	During system starting or stopping, a sound might be heard. However, this is due to thermal deformation of plastic parts.	It is not abnormal, and the sound will disappear soon.
Water leakage	1. Drainage pipe blocked or broken; 2. Wrap of refrigerant pipe joint is not closed completely.	1. Change drainage pipe. 2. Re-wrap and make it tight.

3. TROUBLESHOOTING

How to check fault codes

Troubleshooting according to fault codes

When the air conditioner failure occurs, the fault code will display on control board, or maintenance board.

Outdoor unit

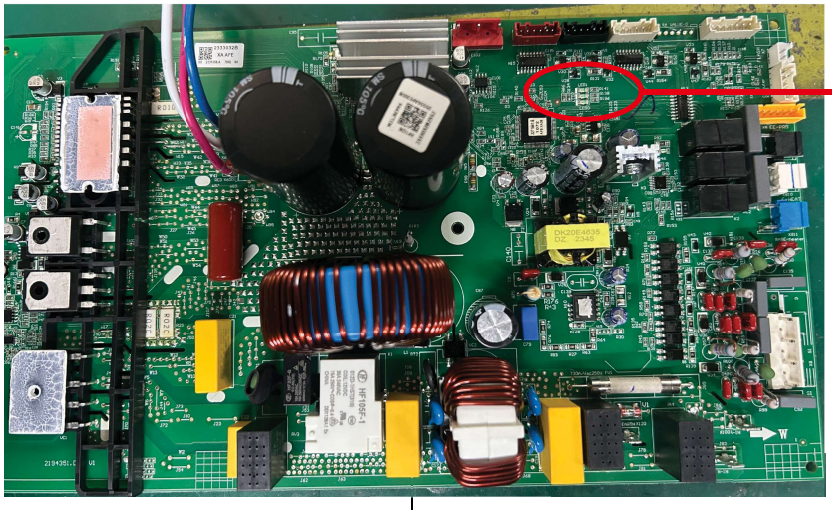
Fault code displayed by LED lamps on outdoor main control board.

There are 3 LED lamps on control board, LED1, LED2 and LED3.

LED1 indicates fault code represented by 2-digit number, LED2 indicates fault code represented by single digit number and LED3 indicates outdoor drive control fault. When LED3 is off, LED1 and LED 2 indicate main control fault code.

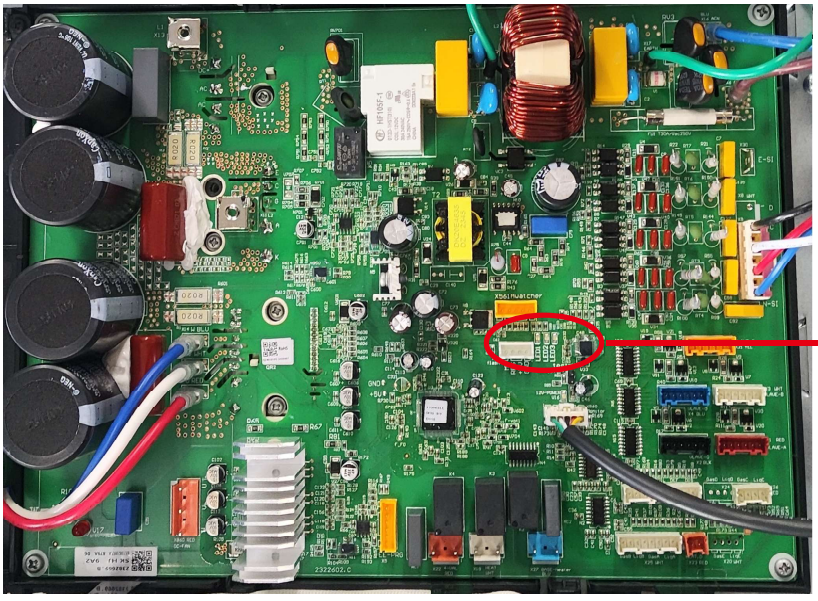
When LED3 is on, LED1 and LED 2 indicate drive control fault code.

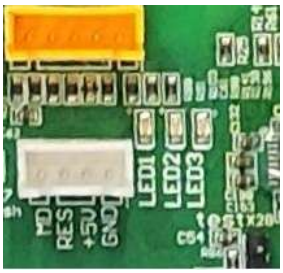
When LED3 is flickering and LED1, LED 2 are all off, indicate compressor is preheating. Failures display with 5s interval. It means LED will be off for 5s to report next fault code. System protection codes display method is the same with main control fault code. LED lamps will be off when there is no failure, protection or preheating.



LED1: Ten's place
LED2: Unit's place
LED3: Drive failure indicator

Main Control Board 18K



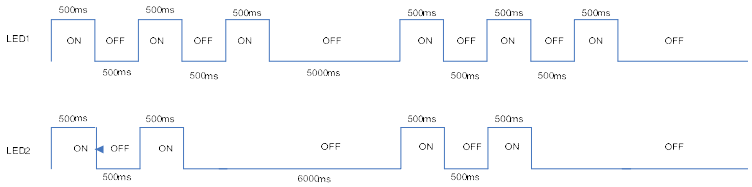


LED1: Ten's place
LED2: Unit's place
LED3: Drive failure indicator

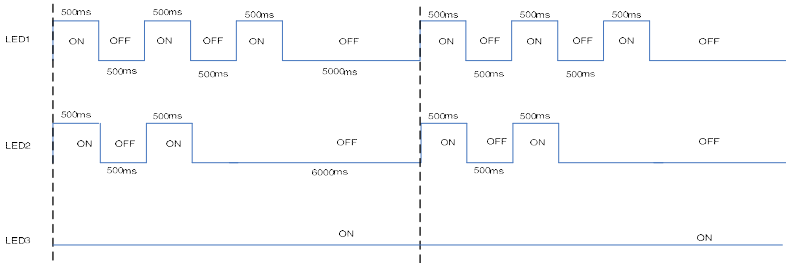
Main Control Board 24K/36K/48K

3. TROUBLESHOOTING

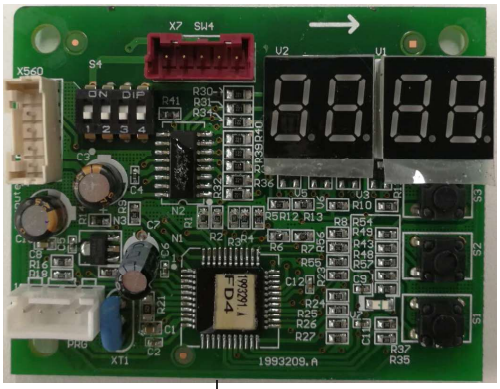
For example, outdoor main control fault 32:



For example, outdoor drive fault 32:



Fault codes also can be checked by 7 segment display on the maintenance board.
Fault codes will display directly when fault occurs.



Maintenance Board

E shows failure occur

Display ERROR Code

3. TROUBLESHOOTING

3.2 Fault Codes

The following is the fault code table of outdoor units.

Table 1 Outdoor fault codes

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
1	Outdoor ambient temperature sensor fault	1.The outdoor ambient temperature sensor is connected loosely; 2.The outdoor ambient temperature sensor fails to work; 3.The sampling circuit fails.	1.Reconnect the outdoor ambient temperature sensor; 2.Replace the outdoor ambient temperature sensor components; 3.Replace the outdoor control board components.	
2	Outdoor coil temperature sensor fault	1.The outdoor coil temperature sensor is connected loosely; 2.The outdoor coil temperature sensor fails to work; 3.The sampling circuit fails.	1.Reconnect the outdoor coil temperature sensor; 2.Replace the outdoor coil temperature sensor components; 3.Replace the outdoor control board components.	
3	The unit over-current turn off fault	1. Control board current sampling circuit fails; 2. The current is over high because the supply voltage is too low; 3. The compressor is blocked; 4. Overload in cooling mode; 5. Overload in heating mode.	1. Replace the electrical control board components; 2. Normal protection; 3. Replace the compressor; 4. Please see Table 2; 5. Please see Table 3.	
4	EEprom Data error	1.EE components fails; 2.EE components control circuit fails; 3.EE components are inserted incorrectly.	1.Replace the EE components; 2.Replace the outdoor control board components; 3.Reassemble the EE components.	
5	Cooling freezing protection (the indoor coil temperature is too low) or heating overload (indoor coil temperature is too high)	1.The indoor unit can not blow air normally; 2.The room temperature is too low in cooling mode or the room temperature is too high in heating; 3.The filter is dirty; 4.The duct resistance is too high to result in low air flow; 5.The setting fan speed is too low; 6.The indoor unit is not installed in accordance with the installation standards, and the air inlet is too close to the air outlet .	1.Check whether the indoor fan, indoor fan motor and evaporator work normally; 2.Normal protection; 3.Clean the filter; 4.Check the volume control valve, duct length etc.; 5.Set the speed with high speed; 6.Reinstall the indoor unit referring to the user manual to change the distance between the indoor unit and the wall or ceiling.	
7	The communication fault between the indoor unit and outdoor unit	1.The connection cable is connected improperly between the indoor unit and outdoor unit; 2.The communication cable is connected loosely; 3.The communication cable fails; 4.The indoor control board fails; 5.The outdoor control board fails; 6.Communication circuit fuse open; 7.The specification of communication cable is incorrect.	1.Reconnect the connection cable referring to the wiring diagram; 2.Reconnect the communication cable; 3.Replace the communication cable; 4.Replace the indoor control board; 5.Replace the outdoor control board; 6.Check the communication circuit, adjust the DIP switch and the short-circuit fuse. 7.Choose suitable communication cable referring to the user manual.	

3. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
13	Compressor overheat protector device	1. The wiring of the overload protector is connected loosely. 2. The overload protector fails . 3. The refrigerant is not enough; 4. The installation pipe is much longer than the normal one, but extra refrigerant is not added ; 5. The expansion valve fails; 6. The outdoor control board fails.	1. Reconnect the wiring of the overload protector; 2. Replace the overload protector; 3. Check the welding point of the unit to confirm whether it is leakage, and then recharge the refrigerant; 4. Add the refrigerant; 5. Replace expansion valve; 6. Replace the outdoor control board.	
14	The high pressure switch operation or the unit is turned off for high pressure protection	1. The wiring of the high pressure protector is connected loosely; 2. The high pressure protector fails; 3. The outdoor control board is abnormal; 4. Overload in cooling; 5. Overload in heating.	1. Reconnect the wiring of the high pressure protector; 2. Replace the high pressure protector; 3. Replace the outdoor control board; 4. Please refer to NOTE 3; 5. Please refer to NOTE 4.	
16	Overload protection in cooling mode	System overload	Please refer to Table 2.	
17	Discharge temperature sensor fault	1.The wiring of the discharge tempe-rature sensor is connected loosely; 2. The discharge temperature sensor fails; 3.The sampling circuit is abnormal.	1. Reconnect the wiring of the discharge temperature sensor; 2. Replace the discharge temperature sensor; 3. Replace the outdoor control board.	
18	AC voltage is abnormal	1.The AC voltage>275V or <160V; 2.The AC voltage of sampling circuit on the driver board is abnormal.	1. Normal protection, please check the supply power; 2. Replace the driver board.	
19	Suction temperature sensor fault	1.The wiring of the suction tempe-rature sensor is connected loosely; 2.The suction temperature sensor fails; 3.The sampling circuit is abnormal.	1.Reconnect the wiring of the suction temperature sensor; 2.Replace the suction temperature sensor; 3.Replace the outdoor control board.	
22	The defrosting sensor fault	1. The wiring of the defrosting sensor is connected loosely; 2. The defrosting sensor fails; 3. The sampling circuit is abnormal.	1. Reconnect the wiring of the defrosting sensor; 2. Replace the defrosting sensor; 3. Replace the outdoor control board.	
23	Expansion valve A pipe (liquid) sensor fault	1. The wiring of the sensor for the expansion valve A(liquid pipe) is connected loosely; 2. The sensor for the expansion A (liquid pipe) fails; 3. The sampling circuit is abnormal.	1. Reconnect the wiring of the sensor for the expansion valve A (liquid pipe); 2. Replace the sensor for the expansion valve A (liquid pipe); 3. Replace the outdoor control board.	
24	Expansion valve B (liquid) pipe sensor fault	1. The wiring of the sensor for the expansion valve B (liquid pipe) is connected loosely; 2.The sensor for the expansion valve B(liquid pipe) fails; 3.The sampling circuit is abnormal.	1. Reconnect the wiring of the sensor for the expansion valve B(liquid pipe); 2. Replace the sensor for the expansion valve B(liquid pipe); 3. Replace the outdoor control board.	

3. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
25	Expansion valve C (liquid) pipe sensor fault	1. The wiring of the sensor for the expansion valve C (liquid pipe) is connected loosely; 2. The sensor of the expansion valve C (liquid pipe) fails; 3. The sampling circuit fails.	1. Reconnect the wiring of the sensor for the expansion valve C (liquid pipe); 2. Replace the sensor for the expansion valve C (liquid pipe); 3. Replace the outdoor control board.	
26	Expansion valve D (liquid) pipe sensor fault	1. The wiring of the sensor for the expansion valve D (liquid pipe) is connected loosely; 2. The sensor of the expansion valve D (liquid pipe) fails; 3. The sampling circuit fails.	1. Reconnect the wiring of the sensor for the expansion valve D (liquid pipe); 2. Replace the sensor for the expansion valve D (liquid pipe); 3. Replace the outdoor control board.	
27	Expansion valve A (gas pipe) sensor fault	1. The wiring of the sensor for the expansion valve A (gas pipe) is connected loosely; 2. The sensor of the expansion valve A (gas pipe) fails; 3. The sampling circuit fails.	1. Reconnect the wiring of the sensor for the expansion valve A (gas pipe); 2. Replace the sensor for the expansion valve A (gas pipe); 3. Replace the outdoor control board.	
28	Expansion valve B (gas pipe) sensor fault	1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve B (gas pipe) fails; 3. The sampling circuit fails.	1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve B (gas pipe); 3. Replace the outdoor control board.	
29	Expansion valve C (gas pipe) sensor fault	1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve C (gas pipe) fails; 3. The sampling circuit fails.	1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve C (gas pipe); 3. Replace the outdoor control board.	
30	Expansion valve D (gas pipe) sensor fault	1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve D (gas pipe) fails; 3. The sampling circuit fails.	1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve D (gas pipe); 3. Replace the outdoor control board.	
45	IPM fault	There are many reasons for this failure. You can check the driver board fault LED to further analyze the fault code of the drive board and to learn about what leads to the fault and how to operate it. Specific information can be seen in table 4.	See attached "analysis of the driving board fault".	
46	IPM and control board communication fault	1.The control board and the driver board is loose; 2.The cable between the control board and the driver board fails; 3.The driver board fails; 4.The control board fails.	1.Reconnect the communication cable ; 2.Replace the communication cable; 3.Replace the driver board; 4.Replace the control board.	

3. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
47	Discharge temperature is too high	1. The refrigerant of the unit is not enough; 2. The refrigerant of the unit is not enough ; 3. Throttling service fails; 4. The outdoor ambient temperature is too high.	1. Check to confirm whether there is leakage exist; 2. Add some refrigerant referring to the installation user manual; 3.Replace the throttling service(such as capillary, expansion valve) 4. Normal protection.	
48	The outdoor DC fan motor fault (upper fan motor)	1.The connecting wiring of the up DC fan motor is loose; 2.The cord of the upper DC fan motor fails; 3.The upper DC fan motor fails; 4.The drive circuit of the upper DC fan motor fails; 5.The outdoor fan has been blocked.	1.Reconnect the wiring of the up DC fan motor; 2.Replace the upper DC fan motor; 3.Replace the upper DC fan motor; 4.Replace the driver board of the fan motor; 5.Check the outdoor fan and ensure the outdoor fan can run normally.	
50	Expansion valve E (gas pipe) sensor fault	1. The wiring of the sensor for the expansion valve E (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve E (gas pipe) fails; 3. The sampling circuit fails.	1. Reconnect the wiring of the sensor for the expansion valve E (gas pipe); 2. Replace the sensor for the expansion valve E (gas pipe); 3. Replace the outdoor control board.	
53	Expansion valve E (liquid) pipe sensor fault	1. The wiring of the sensor for the expansion valve E (liquid pipe) is connected loosely; 2. The sensor of the expansion valve E (liquid pipe) fails; 3. The sampling circuit fails.	1. Reconnect the wiring of the sensor for the expansion valve E (liquid pipe); 2. Replace the sensor for the expansion valve E (liquid pipe); 3. Replace the outdoor control board.	
67	Fan of IPM device overheat protect	1. The fan of IPM is overload; 2. The circuit of IPM fails.	1. Normal protection; 2. Replace the IPM.	
91	The unit turn off due the IPM board over heating fault	1.The outdoor ambient temp. is too high; 2.The speed of the out fan motor is too low if the fan motor is AC fan motor; 3.The outdoor unit is not installed in accordance with the standard; 4.The supply power is too low.	1. Normal protection; 2. Check the fan capacitor, and replace the fan capacitor if it is failure; 3. Reinstalled the outdoor unit refer to the installation user manual; 4. Normal protection.	
96	Lacking of refrigerant	The refrigerant of the unit is not enough.	Discharge the refrigerant and charge the refrigerant referring to the rating label.	
97	4-way valve commutation failure fault	1.The connecting wiring of the 4-way valve coil is loose; 2.The 4-way valve coil fails; 3.The 4-way valve fails; 4.The driver board of the 4-way valve fails.	1. Reconnect the wiring of the 4-way valve; 2. Replace the 4-way valve coil; 3. Replace the 4-way valve; 4.Replace the driver board of the 4-way valve.	

3. TROUBLESHOOTING

NOTE 1:

If the indoor unit can not start or the indoor unit stops itself after 30s, at the same time the unit do not display the fault code, please check the fire and the socket of the control board.

NOTE 2:

If the indoor unit displays the 75,76,77,78 fault code after you turn on the unit, please check the TEST seat of the indoor control board or the TEST detection circuit to see whether short circuit occurs.

NOTE 3: Overload in cooling mode

	Overload in cooling mode	
sr.	**The root cause**	**Corrective measure**
1	The refrigerant is excessive.	Discharge the refrigerant, and recharge the refrigerant referring to the rating label.
2	The outdoor ambient temperature is too high.	Please use within allowable temperature range
3	Short-circuit occurs in the air outlet and air inlet of the outdoor unit.	Adjust the installation of the outdoor unit referring to the user manual.
4	The outdoor heat exchanger is dirty, such as condenser.	Clean the heat exchanger of the outdoor unit, such as condenser.
5	The speed of the outdoor fan motor is too low.	Check the outdoor fan motor and fan capacitor.
6	The outdoor fan is broken or the outdoor fan is blocked.	Check the outdoor fan.
7	The air inlet and outlet has been blocked.	Remove the blocked objects.
8	The expansion valve or the capillary fails.	Replace the expansion valve or the capillary.

NOTE 4: Over load in heating mode

	Overload in heating mode	
sr.	**The root cause**	**Corrective measure**
1	The refrigerant is excessive.	Discharge the refrigerant, and recharge the refrigerant referring to the rating label.
2	The indoor ambient temperature is too high.	Please use within allowable temperature range.
3	Short-circuit occurs in the air outlet and air inlet of the indoor unit.	Adjust the installation of the indoor unit referring to the user manual.
4	The indoor filter is dirty.	Clean the indoor filter.
5	The speed of the indoor fan motor is too low.	Check the indoor fan motor and fan capacitor.
6	The indoor fan is broken or the outdoor fan is blocked.	Check the indoor fan.
7	The air inlet and outlet has been blocked.	Remove the blocked objects.
8	The expansion valve or the capillary fails.	Replace the expansion valve or the capillary.

Table 2 Drive fault code (18K)

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Inverter DC voltage overload fault	1. Power supply input is too high or too low; 2. Driver board fault.	1. Check the power supply; 2. Change the driver board.
2	Inverter DC low voltage fault		
3	Inverter AC current overload fault		
4	Out-of-step detection	1. Compressor phase lost; 2. Bad driver board components; 3. The compressor insulation fault.	1. Check the compressor wire connection; 2. Change the driver board; 3. Change the compressor.
5	Loss phase detection fault (speed pulsation)		
6	Loss phase detection fault (current imbalance)		
7	Inverter IPM fault (edge)	1. System overload or current overload; 2. Driver board fault; 3. Compressor oil shortage, serious wear of crankshaft ; 4. The compressor insulation fault.	1. Check the system; 2. Change the driver board; 3. Change the compressor; 4. Change the compressor.
8	Inverter IPM fault (level)		
9	PFC fault (edge)		
10	PFC fault (level)		
11	PFC power detection of failure	1. The power supply is not stable; 2. Instantaneous power failure; 3. Driver board failure.	1. Check the power supply; 2. No need to deal with; 3. Change the driver board.
12	PFC overload current detection of failure.	1. System overloads, and the current is too high; 2. Driver board fails; 3. PFC fails.	1.Check the system; 2.Change the driver board; 3.Change the PFC.
13	DC voltage detected abnormal .	1. Input voltage is too high or too low; 2. Driver board fails.	1. Check the power supply; 2. Change the driver board.
14	PFC LOW voltage detected failure.		
15	AD offset abnormal detected failure.	Driver board fails.	Change the driver board.
16	Inverter PWM logic set fault.		
17	Inverter PWM initialization failure		
18	PFC_PWM logic set fault.		
19	PFC_PWM initialization fault.		
20	Temperature abnormal.		
21	Shunt resistance unbalance adjustment fault		
22	Communication failure.	1. Communication wire connection is not proper; 2. Driver board fails; 3. Control board fails.	1. Check the wiring; 2. Change the driver board; 3. Change the control board.
23	Motor parameters setting of failure	Initialization is abnormal.	Reset the power supply.
25	EE data abnormal	Driver board EEPROM is abnormal.	1. Change EEPROM; 2. Change the driver board.
26	DC voltage mutation error	1. Power input changes suddenly; 2. Driver board fails.	1.Check the power supply, to provide stable power supply; 2.Change the driver board.
27	D axis current control error	1. System overload, phase current is too high; 2. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
28	Q axis current control error	1. System overload, phase current is too high; 2. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
29	Saturation error of D axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
30	Saturation error of Q axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.

3. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with
50	Inverter software over-current	1. The fan motor system overloads; 2. The drive board falis; 3. The fan motor is not insulated well;	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor.
51	Out-of-step detection	1.The wire is not connected well; 2.Bad drive board components; 3.The fan motor starting overloads; 4. The fan motor is demagnetized; 5. The fan motor is not insulated well.	1.Check the fan motor wire connection; 2.Change the drive board; 3.Change the fan motor. 4.Change the fan motor. 5.Change the fan motor.
52	Abnormal speed control	1.Bad driver board components; 2.The fan motor shaft clamping; 3.The fan motor insulation fails.	1.Change the drive board; 2.Change the fan motor. 3.Change the fan motor.
53	Out of phase detection fault	1. Phase loss of the fan motor; 2. Bad drive board components.	1. Change the drive board; 2. Change the fan motor; 3. Change the fan motor
54	IPM-FO hardware over-current (edge)	1.The fan motor overloads or over-current; 2.The drive board fails; 3.The fan motor insulation fails.	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
55	IPM-FO hardware over-current (level)	1.The fan motor overloads or over-current; 2.The drive board fails; 3.The fan motor insulation fails.	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
56	The fan motor -AD Offset abnormal detection fault	The drive board circuit fails.	Change the drive board.
57	The fan motor speed control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The drive board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the drive board.
58	The fan motor D,Q axis current control error	1. The fan motor overloads, the phase current is large; 2. The drive board fault.	1. Check the fan motor system; 2. Change the drive board.
59	The fan motor D,Q axis current control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The drive board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the drive board.
60	The fan motor reverse	1. Bad drive board components; 2. Wiring problems	1. Change the drive board; 2. Check the wiring.
61	IPM-PWM initialization fault	1. EE logics error; 2. The drive board fails.	1. Change the drive board; 2. Change the drive board.

Table 3 Drive fault code (24K/36K/48K)

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Inverter DC voltage overload fault	1. Power supply input is too high or too low; 2. Driver board fault.	1. Check the power supply; 2. Change the driver board.
2	Inverter DC low voltage fault		
3	Inverter AC current overload fault		
4	Out-of-step detection	1. Compressor phase lost; 2. Bad driver board components; 3. The compressor insulation fault.	1. Check the compressor wire connection; 2. Change the driver board; 3. Change the compressor.
5	Loss phase detection fault (speed pulsation)		
6	Loss phase detection fault (current imbalance)		
7	Inverter IPM fault (edge)	1. System overload or current overload; 2. Driver board fault; 3. Compressor oil shortage, serious wear of crankshaft ; 4. The compressor insulation fault.	1. Check the system; 2. Change the driver board; 3. Change the compressor; 4. Change the compressor.
8	Inverter IPM fault (level)		
9	PFC fault (edge)		
10	PFC fault (level)		
11	PFC power detection of failure	1. The power supply is not stable; 2. Instantaneous power failure; 3. Driver board failure.	1. Check the power supply; 2. No need to deal with; 3. Change the driver board.
12	PFC overload current detection of failure.	1. System overloads, and the current is too high; 2. Driver board fails; 3. PFC fails.	1.Check the system; 2.Change the driver board; 3.Change the PFC.
13	DC voltage detected abnormal .	1. Input voltage is too high or too low; 2. Driver board fails.	1. Check the power supply; 2. Change the driver board.
14	PFC LOW voltage detected failure.		
15	AD offset abnormal detected failure.	Driver board fails.	Change the driver board.
16	Inverter PWM logic set fault.		
17	Inverter PWM initialization failure		
18	PFC_PWM logic set fault.		
19	PFC_PWM initialization fault.		
20	Temperature abnormal.		
21	Shunt resistance unbalance adjustment fault		
22	Communication failure.	1. Communication wire connection is not proper; 2. Driver board fails; 3. Control board fails.	1. Check the wiring; 2. Change the driver board; 3. Change the control board.
23	Motor parameters setting of failure	Initialization is abnormal.	Reset the power supply.
25	EE data abnormal	Driver board EEPROM is abnormal.	1. Change EEPROM; 2. Change the driver board.
26	DC voltage mutation error	1. Power input changes suddenly; 2. Driver board fails.	1.Check the power supply, to provide stable power supply; 2.Change the driver board.
27	Compressor drive D axis current control error	1. System overload, phase current is too high; 2. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
28	Compressor drive Q axis current control error	1. System overload, phase current is too high; 2. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
29	Saturation error of Compressor drive D axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
30	Saturation error of Compressor drive Q axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.

3. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with
50	Inverter software over-current	1. The fan motor system overloads; 2. The drive board falis; 3. The fan motor is not insulated well;	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor.
51	Out-of-step detection	1.The wire is not connected well; 2.Bad drive board components; 3.The fan motor starting overloads; 4. The fan motor is demagnetized; 5. The fan motor is not insulated well.	1.Check the fan motor wire connection; 2.Change the drive board; 3.Change the fan motor. 4.Change the fan motor. 5.Change the fan motor.
52	Abnormal speed control	1.Bad driver board components; 2.The fan motor shaft clamping; 3.The fan motor insulation fails.	1.Change the drive board; 2.Change the fan motor. 3.Change the fan motor.
53	Out of phase detection fault	1. Phase loss of the fan motor; 2. Bad drive board components.	1. Change the drive board; 2. Change the fan motor; 3. Change the fan motor
54	IPM-FO hardware over-current (edge)	1.The fan motor overloads or over-current; 2.The drive board fails; 3.The fan motor insulation fails.	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
55	IPM-FO hardware over-current (level)	1.The fan motor overloads or over-current; 2.The drive board fails; 3.The fan motor insulation fails.	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
56	The fan motor -AD Offset abnormal detection fault	The drive board circuit fails.	Change the drive board.
57	The fan motor speed control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The drive board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the drive board.
58	The fan motor D,Q axis current control error	1. The fan motor overloads, the phase current is large; 2. The drive board fault.	1. Check the fan motor system; 2. Change the drive board.
59	The fan motor D,Q axis current control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The drive board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the drive board.
60	The fan motor reverse	1. Bad drive board components; 2. Wiring problems	1. Change the drive board; 2. Check the wiring.
61	IPM-PWM initialization fault	1. EE logics error; 2. The drive board fails.	1. Change the drive board; 2. Change the drive board.

Fault Code	Fault description	Possible reasons for abnormality	How to deal with
31	Drive AD conversion fault	Driver board fault	Replace the driver board
35	AD Offset abnormal detection fault	Driver board fault	Replace the driver board
70	Effective value protection of compressor phase current	1.Low power supply voltage; 2.Driver board fault.	1.Check the power supply voltage; 2.Replace the driver board.
71	Start failure	1.System overload; 2.Driver board fault; 3.Compressor fault	1.Check if the system operates properly and if the shut-off valve is turned on; 2.Replace the driver board; 3.Replace the compressor.
72	IPM over-temperature fault	1.High outdoor ambient temperature; 2.Improper installation of outdoor units; 3.Low power supply voltage.	1.Protect properly; 2.Reinstall the outdoor unit according to the installation specifications. 3.Protect properly.
73	MCU error	Driver board fault	Replace the driver board
74	Compressor speed estimation error	1.System overload; 2.Driver board fault; 3.Compressor fault	1.Check if the system operates properly and if the shut-off valve is turned on; 2.Replace the driver board. 3.Replace the compressor.
75	Over-power	1.System overload; 2.Driver board fault; 3.Compressor fault	1.Check if the system operates properly and if the shut-off valve is turned on; 2.Replace the driver board. 3.Replace the compressor.
76	High compressor power	1.Driver board fault	1.Replace the driver board
80	Effective value protection of fan phase current	1.Abnormal fan system 2.Abnormal driver board 3.Fan motor fault	1.Check if the outdoor fan is abnormal 2.Replace the driver board 3.Replace the fan motor
81	Fan startup failure	1.Abnormal fan system 2Abnormal driver board 3.Fan motor fault	1.Check if the outdoor fan is abnormal 2.Replace the driver board 3.Replace the fan motor
82	Fan IPM over-temperature	1.Machine system overload, and high phase current; 2.Driver board fault; 3.Poor contact of radiator	1.Check if the system is abnormal 2.Replace the driver board 3.Replace the radiator
83	Air speed estimation error	Driver board fault	Replace the driver board;
84	High air speed	Driver board fault	Replace the driver board;

Table 4 Limitation Code

Code	Definitions	Descriptions
101	When overcurrent occurs, stop the frequency from increasing.	Current control
102	When overcurrent occurs, reduce the frequency.	Current control
103	When the temperature of IPM module is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of IPM module.
104	When the temperature of IPM module is too high, reduce the frequency.	Frequency control to keep appropriate temperature of IPM module.
105	When the discharge temperature is too high, stop the frequency from increasing.	Frequency control to keep appropriate discharge temperature.
106	When the discharge temperature is too high, reduce the frequency.	Frequency control to keep appropriate discharge temperature.
107	In cooling mode, when the temperature of the outdoor unit coil is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of the outdoor unit coil in cooling mode.
108	In cooling mode, when the temperature of the outdoor unit coil is too high, reduce the frequency.	Frequency control to keep appropriate temperature of the outdoor unit coil in cooling mode.
113	To prevent the indoor unit from being frozen or high temperature, stop the frequency from increasing.	Frequency control to keep appropriate temperature of the indoor unit coil.
114	To prevent the indoor unit from being frozen or high temperature, reduce the frequency.	Frequency control to keep appropriate temperature of the indoor unit coil.
119	When DSH exceeds the target value, the valve opening gets wider to adjust the flow.	Control on expansion valve based on DSH.
120	When DSH exceeds the target value, the valve opening gets narrower to adjust the flow.	Control on expansion valve based on DSH.
121	When DSH exceeds the target value, stop the valve opening from getting narrower.	Control on expansion valve based on DSH.
122	When DSH exceeds the target value, stop the valve opening from getting wider.	Control on expansion valve based on DSH.
131	When the temperature of IPM module is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of IPM module.
132	When the temperature of IPM module is too high, reduce the frequency.	Frequency control to keep appropriate temperature of IPM module.
134	When the discharge temperature is too high, stop the valve opening getting narrower.	Control on discharge temperature expansion valve.
140	The compressor overloads.	Control on the compressor output.
141	The compressor current overloads.	Control on the output torque of the compressor.

※ DSH: Discharge Super Heat
These codes appearing in the operation process indicate some kind of normal operation state, instead of faults, so they do not need to be dealt with.

4. Checking components

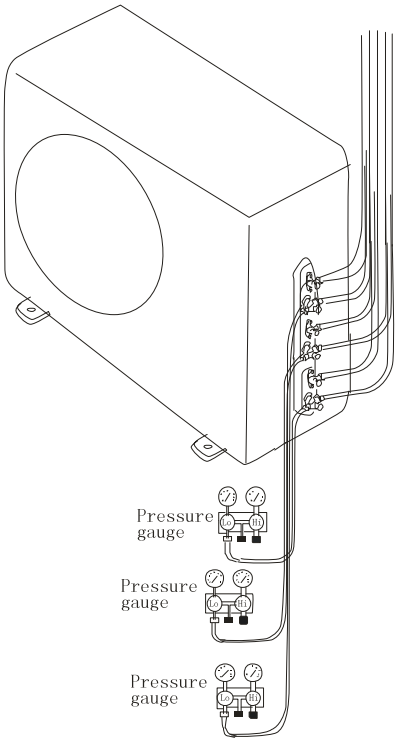
4.1 Check Refrigerant System

TEST SYSTEM FLOW

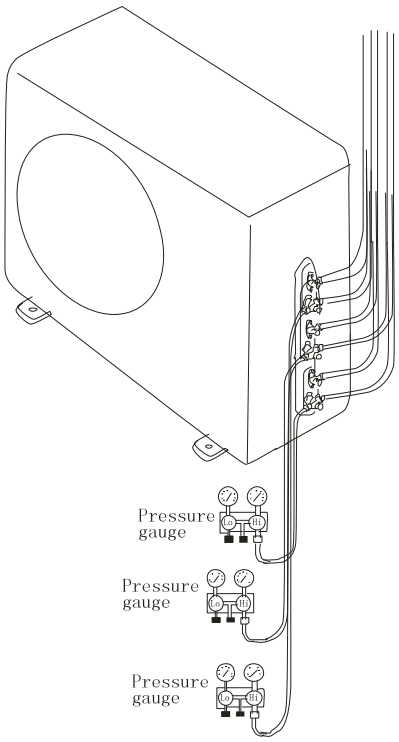
Conditions: ① Compressor is running.
② The air condition should be installed in good ventilation.
Tool: Pressure Gauge Technique:
① see ② feel ③ test

See ----- Tube defrost.
Feel ----- The difference between tube's temperature. Test ----- Test pressure.

cooling run

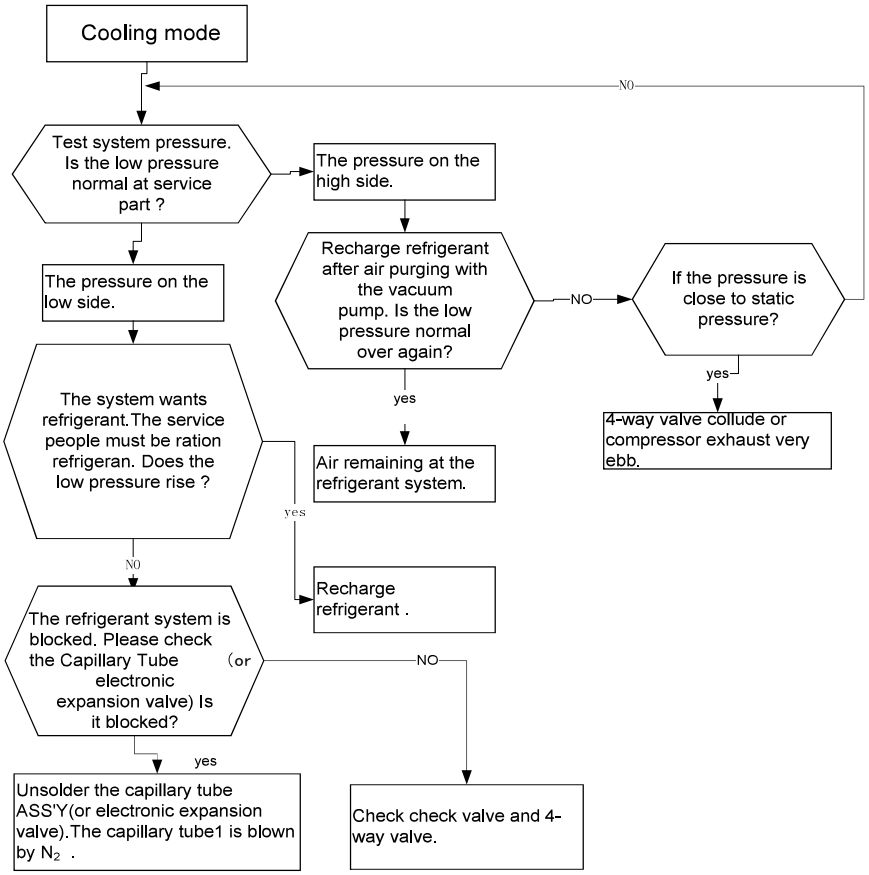


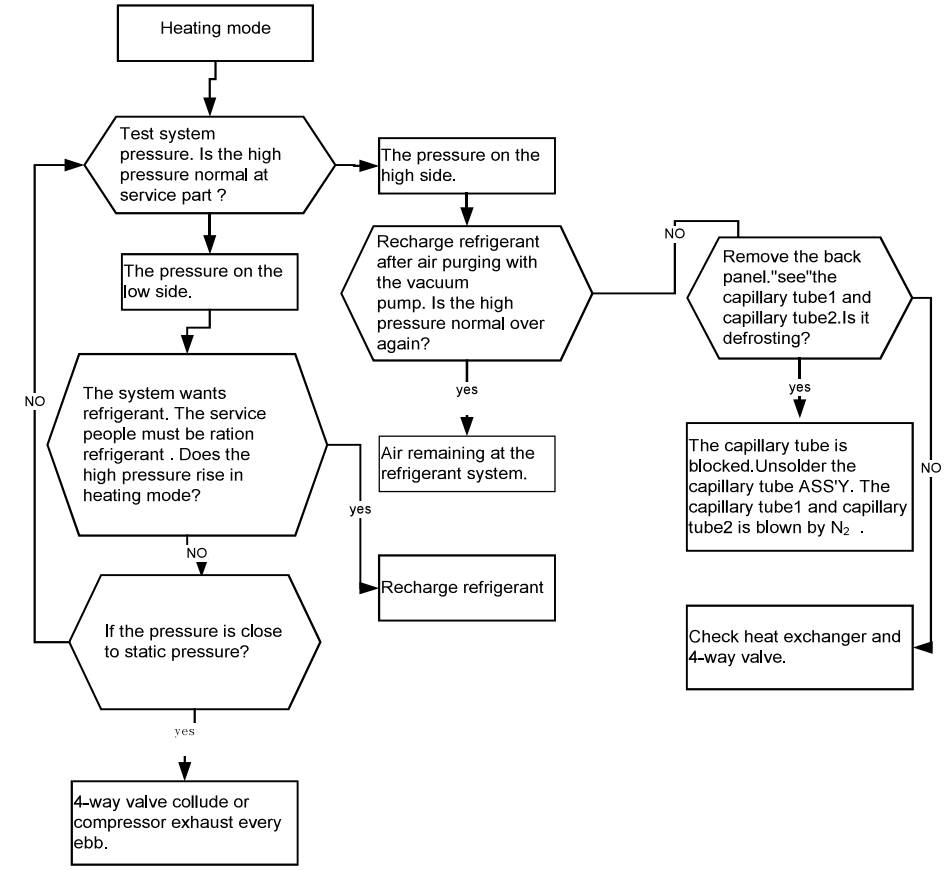
heating run



4. CHECKING COMPONENTS

Test system flow





4. CHECKING COMPONENTS

4.2 Check Parts Unit

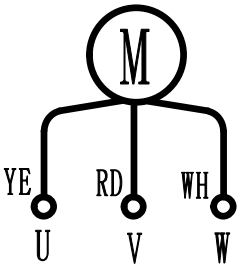
SN	Key components
1	DC Motor (Outdoor unit)
2	Compressor
3	EEV coil
4	4-Way valve coil
5	Pressure switch
6	Inductance
7	Fuse

1) DC Motor (Outdoor unit)

External drive type

Use the multimeter to test resistance between two terminals

Model	Test condition (Ambient temperature)	Normal test results	Deviation Range
18K	68℉ (20℃)	U-V: 46Ω U-W: 46Ω V-W: 46Ω	±7%
24K/36K/48K	77℉ (25℃)	U-V: 9.1Ω U-W: 9.1Ω W-V: 9.1Ω	±7%



2) Compressor

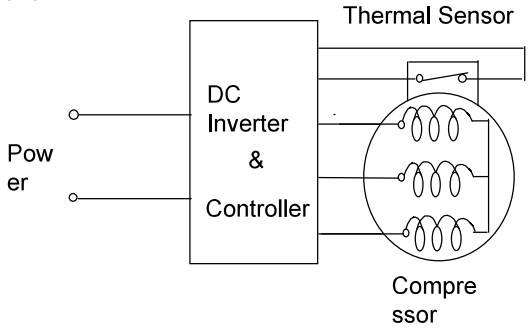
Test in resistance.

TOOL: Multi-meter.

Test the resistance of the winding. The compressor fails if the resistance of winding is 0 (short circuit)or∞(open circuit).

Familiar error:

1) Compressor motor lock.
2) Discharge pressure value approaches static pressure value.
3) Compressor motor winding abnormality.



Notes：

1) Don't put a compressor on its side or turn over.
2) Please assemble the compressor in your air conditioner rapidly after removing the plugs. Don't place the comp. in air for a long time.
3) Avoid compressor running in reverse caused by connecting electrical wire incorrectly.
4) Warning! In case AC voltage is impressed to compressor, the compressor performance will decrease because of its rotor magnetic force decreasing.

4. CHECKING COMPONENTS

Use the multimeter to test resistance between two terminals.

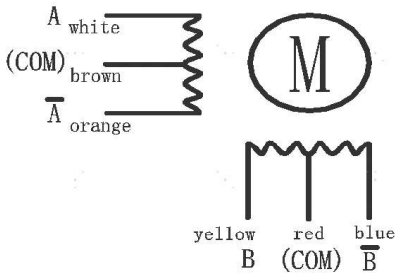
Test results:

Model	Test condition (Ambient temperature)	Normal test results	Deviation Range
18K	68℉ (20℃)	U-V: 1.065Ω U-W: 1.065Ω V-W: 1.065Ω	±7%
24K	68℉ (20℃)	U-V: 0.630Ω U-W: 0.630Ω V-W: 0.630Ω	±7%
36K/48K	77℉ (25℃)	U-V: 0.426Ω U-W: 0.426Ω W-V: 0.426Ω	±5%

3) EEV coil

Use the multimeter to test resistance between two terminals at 68℉ (20℃).

Test results:



Model	Test condition	Normal test results	Deviation Range
18K	gray (com) -orange gray (com) -black gray (com) -yellow gray (com) -red	46Ω	± 3 Ω
24K	brown (com) -white brown (com) -orange red (com) -yellow red (com) -blue	46Ω	±3.7Ω
36K	brown (com) -white brown (com) -orange red (com) -yellow red (com) -blue	46Ω	± 3 Ω
48K	brown (com) -white brown (com) -orange red (com) -yellow red (com) -blue	46Ω	± 3 Ω

4. CHECKING COMPONENTS

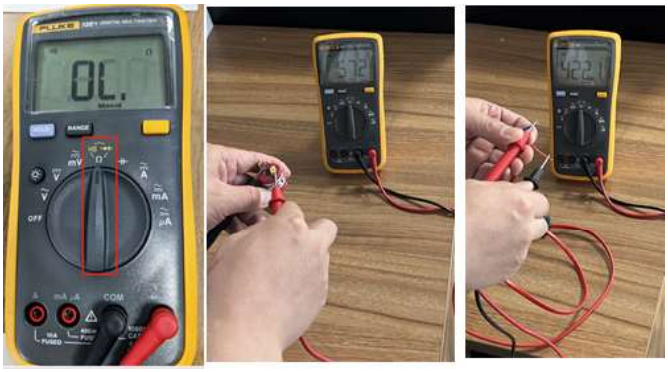
4) 4-Way valve coil

Use the multimeter to test resistance between two terminals. Test results:

Model	Test condition (Ambient temperature)	Normal test results	Deviation Range
18K/24K/36K/48K	77℉(25℃)	2085Ω	±10%

5) Pressure switch

Normally closed switch detection: With no pressure in the pipeline, you can turn a multimeter to the ohm range and connect the red and black probes with a pin (lead) respectively to detect whether the switch is in the "ON" state.



6) Inductance

Familiar error:

1) Sound abnormality

2) Insulation resistance disqualification.

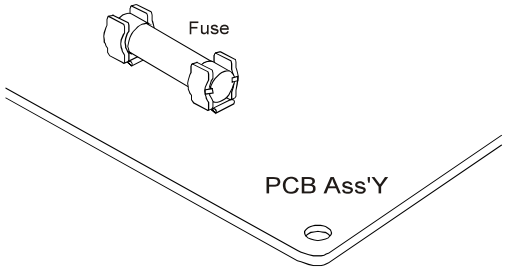
Use the multimeter to test resistance between two terminals.

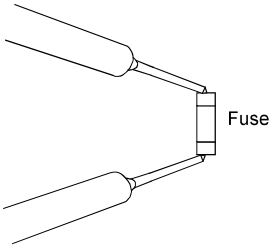
Model	Test condition (Ambient temperature)	Normal test results	Deviation Range
18K	77℉(25℃)	60mΩ Max	±7%
24K	68℉(20℃)	100mΩ Max	±7%
36K/48K	77℉(25℃)	30mΩ Max	±5%

7) Fuse

Checking continuity of fuse on PCB ASS'Y.

Remove the PCB ASS'Y from the electrical component box. Then pull out the fuse from the PCB ASS'Y.Check for continuity by a multimeter as shown below.





4. CHECKING COMPONENTS

4.3 Sensor Parameter

1. THE PARAMETER OF OUTDOOR COMPRESSOR DISCHARGE TEMPERATURE SENSOR:

（R_0=187.25K±6.3%；R_{100}=3.77K±2.5K；B0/100=3979K±1%）

T [℃]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
-30	908.2603	985.5274	1065.1210	-7.84	7.47
-29	855.3955	927.6043	1001.9150	-7.78	7.42
-28	805.9244	873.4324	924.8368	-7.73	5.56
-27	759.6097	822.7471	887.5944	-7.67	7.31
-26	716.2320	775.3041	835.9165	-7.62	7.25
-25	675.5881	730.8775	787.5529	-7.56	7.20
-24	637.4902	689.2583	742.2720	-7.51	7.14
-23	601.7645	650.2533	699.8601	-7.46	7.09
-22	568.2499	613.6835	660.1191	-7.40	7.03
-21	536.7970	579.3832	622.8658	-7.35	6.98
-20	507.2676	547.1989	587.9307	-7.30	6.93
-19	497.5332	516.9882	555.1565	-3.76	6.88
-18	453.4748	488.6192	524.3977	-7.19	6.82
-17	428.9819	461.9693	495.5191	-7.14	6.77
-16	405.9517	436.9251	486.3954	-7.09	10.17
-15	384.2888	413.3808	442.9105	-7.04	6.67
-14	363.9047	391.2386	418.9563	-6.99	6.62
-13	344.7169	370.4072	396.4325	-6.94	6.56
-12	326.6497	350.8019	375.2461	-6.88	6.51
-11	309.6286	332.3441	355.3104	-6.83	6.46
-10	293.5903	314.9620	336.5448	-6.79	6.41
-9	278.4719	298.5822	318.3744	-6.74	6.22
-8	264.2156	283.1464	302.2294	-6.69	6.31
-7	250.7678	268.5936	286.5448	-6.64	6.26
-6	238.0783	254.8686	271.7603	-6.59	6.22
-5	226.1003	241.9200	257.8193	-6.54	6.17
-4	214.7903	229.6997	244.6593	-6.49	6.11
-3	204.1073	218.1630	232.2612	-6.44	6.07
-2	194.0135	207.2681	220.5495	-6.39	6.02
-1	184.4732	196.9759	209.4913	-6.35	5.97
0	175.4533	187.2500	199.0468	-6.30	5.93
1	166.8952	178.0255	189.1529	-6.25	5.88
2	158.8023	169.3067	179.8058	-6.20	5.84
3	151.1467	161.0633	170.9724	-6.16	5.80
4	143.9026	153.2667	162.6216	-6.11	5.75
5	137.0455	145.8905	154.7246	-6.06	5.71
6	130.5528	138.9097	147.2544	-6.02	5.67
7	124.4033	132.3011	140.1856	-5.97	5.62
8	118.5769	126.0429	133.4946	-5.92	5.58
9	113.0550	120.1146	127.1591	-5.88	5.54
10	107.8202	114.4973	121.1586	-5.83	5.50
11	102.8560	109.1728	115.4734	-5.79	5.46
12	98.1470	104.1246	110.0855	-5.74	5.41
13	93.6787	99.3367	104.9778	-5.70	5.37
14	89.4378	94.7946	100.1342	-5.65	5.33
15	85.4114	90.4842	95.5398	-5.61	5.29
16	81.5875	86.3926	91.1805	-5.56	5.25
17	77.9551	82.5076	87.0430	-5.52	5.21
18	74.5034	78.8177	83.1150	-5.47	5.17

4. CHECKING COMPONENTS

T [℃]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
19	71.2227	75.3122	79.3848	-5.43	5.13
20	68.1036	71.9808	75.8414	-5.39	5.09
21	65.1373	68.8141	72.4746	-5.34	5.05
22	62.3155	65.8032	69.2746	-5.30	5.01
23	59.6306	62.9395	66.2324	-5.26	4.97
24	57.0752	60.2152	63.3395	-5.21	4.93
25	54.6424	57.6227	60.5877	-5.17	4.89
26	52.3258	55.1551	57.9695	-5.13	4.85
27	50.1192	52.8058	55.4778	-5.09	4.82
28	48.0168	50.5684	53.1058	-5.05	4.78
29	46.0133	48.4371	50.8472	-5.00	4.74
30	44.1034	46.4046	48.6960	-4.96	4.71
31	42.2825	44.4711	46.6466	-4.92	4.66
32	40.5458	42.6261	44.6937	-4.88	4.63
33	38.8891	40.8668	42.8323	-4.84	4.59
34	37.3084	39.1890	41.0576	-4.80	4.55
35	35.7998	37.5883	39.3653	-4.76	4.51
36	34.3596	36.0609	37.7511	-4.72	4.48
37	32.9844	34.6030	36.2109	-4.68	4.44
38	31.6710	33.2113	34.7412	-4.64	4.40
39	30.4164	31.8823	33.3383	-4.60	4.37
40	29.2176	30.6130	31.9988	-4.56	4.33
41	28.0718	29.4004	30.7197	-4.52	4.29
42	26.9765	28.2417	29.4979	-4.48	4.26
43	25.9293	27.1342	28.3306	-4.44	4.22
44	24.9277	26.0755	27.2150	-4.40	4.19
45	23.9697	25.0632	26.1488	-4.36	4.15
46	23.0530	24.0950	25.1293	-4.32	4.12
47	22.1757	23.1688	24.1545	-4.29	4.08
48	21.3360	22.2826	23.2221	-4.25	4.05
49	20.5321	21.4345	22.3301	-4.21	4.01
50	19.7623	20.6226	21.4766	-4.17	3.98
51	19.0261	19.8468	20.6612	-4.14	3.94
52	18.3211	19.1040	19.8808	-4.10	3.91
53	17.6458	18.3926	19.1338	-4.06	3.87
54	16.9986	17.7113	18.4185	-4.02	3.84
55	16.3784	17.0537	17.7335	-3.96	3.83
56	15.7839	16.4332	17.0774	-3.95	3.77
57	15.2139	15.8338	16.4488	-3.92	3.74
58	14.6673	15.2592	15.8464	-3.88	3.71
59	14.1430	14.7083	15.2690	-3.84	3.67
60	13.6400	14.1799	14.7154	-3.81	3.64
61	13.1573	13.6730	14.1846	-3.77	3.61
62	12.6941	13.1868	13.6756	-3.74	3.57
63	12.2494	12.7202	13.1872	-3.70	3.54
64	11.8224	12.2723	12.7186	-3.67	3.51
65	11.4124	11.8424	12.2690	-3.63	3.48
66	11.0185	11.4295	11.8373	-3.60	3.45
67	10.6401	11.0331	11.4230	-3.56	3.41
68	10.2765	10.6522	11.0251	-3.53	3.38
69	9.9271	10.2863	10.6429	-3.49	3.35
70	9.5912	9.9348	10.2756	-3.46	3.32
71	9.2682	9.5968	9.9231	-3.42	3.29
72	8.9576	9.2720	9.5841	-3.39	3.26
73	8.6589	8.9597	9.2583	-3.36	3.23
74	8.3716	8.6594	8.9451	-3.32	3.19

4. CHECKING COMPONENTS

T [℃]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
75	8.0951	8.3705	8.6440	-3.29	3.16
76	7.8290	8.0926	8.3544	-3.26	3.13
77	7.5730	7.8252	8.0758	-3.22	3.10
78	7.3264	7.5679	7.8078	-3.19	3.07
79	7.0891	7.3202	7.5499	-3.16	3.04
80	6.8605	7.0818	7.3018	-3.12	3.01
81	6.6403	6.8522	7.0629	-3.09	2.98
82	6.4282	6.6311	6.8329	-3.06	2.95
83	6.2239	6.4182	6.6115	-3.03	2.92
84	6.0269	6.2131	6.3982	-3.00	2.89
85	5.8371	6.0154	6.1928	-2.96	2.86
86	5.6542	5.8249	5.9949	-2.93	2.84
87	5.4777	5.6413	5.8042	-2.90	2.81
88	5.3076	5.4644	5.6205	-2.87	2.78
89	5.1435	5.2937	5.4433	-2.84	2.75
90	4.9853	5.1292	5.2726	-2.81	2.72
91	4.8326	4.9705	5.1079	-2.77	2.69
92	4.6852	4.8174	4.9492	-2.74	2.66
93	4.5430	4.6697	4.7960	-2.71	2.63
94	4.4058	4.5272	4.6483	-2.68	2.61
95	4.2733	4.3896	4.5058	-2.65	2.58
96	4.1453	4.2568	4.3683	-2.62	2.55
97	4.0218	4.1287	4.2355	-2.59	2.52
98	3.9024	4.0049	4.1074	-2.56	2.50
99	3.7872	3.8854	3.9837	-2.53	2.47
100	3.6758	3.7700	3.8643	-2.50	2.44
101	3.5661	3.6585	3.7512	-2.53	2.47
102	3.4601	3.5509	3.6419	-2.56	2.50
103	3.3577	3.4468	3.5362	-2.59	2.53
104	3.2588	3.3463	3.4341	-2.61	2.56
105	3.1632	3.2491	3.3353	-2.64	2.58
106	3.0708	3.1551	3.2398	-2.67	2.61
107	2.9816	3.0643	3.1475	-2.70	2.64
108	2.8953	2.9765	3.0582	-2.73	2.67
109	2.8118	2.8915	2.9717	-2.76	2.70
110	2.7311	2.8093	2.8881	-2.78	2.73
111	2.6531	2.7299	2.8072	-2.81	2.75
112	2.5776	2.6530	2.7289	-2.84	2.78
113	2.5046	2.5785	2.6531	-2.87	2.81
114	2.4340	2.5065	2.5798	-2.89	2.84
115	2.3656	2.4368	2.5087	-2.92	2.87
116	2.2995	2.3693	2.4400	-2.95	2.90
117	2.2354	2.3040	2.3733	-2.98	2.92
118	2.1734	2.2407	2.3088	-3.00	2.95
119	2.1134	2.1795	2.2463	-3.03	2.97
120	2.0553	2.1201	2.1858	-3.06	3.01
121	1.9991	2.0626	2.1271	-3.08	3.03
122	1.9446	2.0070	2.0702	-3.11	3.05
123	1.8918	1.9530	2.0151	-3.13	3.08
124	1.8406	1.9007	1.9617	-3.16	3.11
125	1.7911	1.8500	1.9099	-3.18	3.14
126	1.7430	1.8009	1.8597	-3.22	3.16
127	1.6965	1.7533	1.8110	-3.24	3.19
128	1.6514	1.7071	1.7638	-3.26	3.21
129	1.6076	1.6623	1.7180	-3.29	3.24
130	1.5652	1.6189	1.6736	-3.32	3.27

4. CHECKING COMPONENTS

2. THE PARAMETER OF THE OTHER SENSOR：

（R_0=15K±2%；B0/100=3450K±2%）

T [℃]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
-30	60.78	64.77	68.99	-6.16	6.12
-29	57.75	61.36	65.16	-5.88	5.83
-28	54.89	58.15	61.58	-5.61	5.57
-27	52.19	55.14	58.23	-5.35	5.31
-26	49.63	52.30	55.08	-5.11	5.05
-25	47.21	49.62	52.13	-4.86	4.81
-24	44.92	47.10	49.37	-4.63	4.60
-23	42.76	44.73	46.78	-4.40	4.38
-22	40.71	42.49	44.34	-4.19	4.17
-21	38.77	40.38	42.05	-3.99	3.97
-20	36.93	38.39	39.90	-3.80	3.78
-19	35.18	36.51	37.87	-3.64	3.59
-18	33.53	34.74	35.97	-3.48	3.42
-17	31.96	33.06	34.17	-3.33	3.25
-16	30.48	31.47	32.49	-3.15	3.14
-15	29.07	29.97	30.89	-3.00	2.98
-14	27.73	28.56	29.39	-2.91	2.82
-13	26.46	27.22	27.98	-2.79	2.72
-12	25.26	25.95	26.64	-2.66	2.59
-11	24.11	24.75	25.38	-2.59	2.48
-10	23.03	23.61	24.19	-2.46	2.40
-9	21.99	22.53	23.06	-2.40	2.30
-8	21.01	21.51	22.00	-2.32	2.23
-7	20.08	20.54	20.99	-2.24	2.14
-6	19.19	19.62	20.04	-2.19	2.10
-5	18.35	18.74	19.14	-2.08	2.09
-4	17.55	17.92	18.29	-2.06	2.02
-3	16.78	17.13	17.48	-2.04	2.00
-2	16.06	16.38	16.71	-1.95	1.97
-1	15.36	15.67	15.98	-1.98	1.94
0	14.70	15.00	15.29	-2.00	1.90
1	14.08	14.36	14.64	-1.95	1.91
2	13.48	13.75	14.02	-1.96	1.93
3	12.91	13.17	13.43	-1.97	1.94
4	12.36	12.62	12.87	-2.06	1.94
5	11.85	12.09	12.34	-1.99	2.03
6	11.35	11.59	11.83	-2.07	2.03
7	10.88	11.11	11.35	-2.07	2.11
8	10.43	10.66	10.89	-2.16	2.11
9	9.999	10.230	10.450	-2.26	2.11
10	9.590	9.816	10.040	-2.30	2.23
11	9.199	9.422	9.647	-2.37	2.33
12	8.826	9.047	9.269	-2.44	2.40
13	8.470	8.689	8.910	-2.52	2.48
14	8.129	8.347	8.567	-2.61	2.57
15	7.804	8.021	8.240	-2.71	2.66
16	7.493	7.709	7.928	-2.80	2.76
17	7.196	7.412	7.630	-2.91	2.86
18	6.912	7.127	7.346	-3.02	2.98
19	6.640	6.855	7.074	-3.14	3.10
20	6.381	6.595	6.815	-3.24	3.23
21	6.132	6.347	6.567	-3.39	3.35
22	5.894	6.109	6.330	-3.52	3.49

4. CHECKING COMPONENTS

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
23	5.667	5.882	6.103	-3.66	3.62
24	5.449	5.664	5.886	-3.80	3.77
25	5.240	5.456	5.678	-3.96	3.91
26	5.048	5.260	5.478	-4.03	3.98
27	4.864	5.072	5.286	-4.10	4.05
28	4.687	4.891	5.101	-4.17	4.12
29	4.517	4.717	4.924	-4.24	4.20
30	4.355	4.550	4.753	-4.29	4.27
31	4.198	4.390	4.589	-4.37	4.34
32	4.048	4.236	4.431	-4.44	4.40
33	3.904	4.089	4.280	-4.52	4.46
34	3.766	3.946	4.134	-4.56	4.55
35	3.663	3.810	3.994	-3.86	4.61
36	3.506	3.679	3.859	-4.70	4.66
37	3.383	3.552	3.729	-4.76	4.75
38	3.265	3.431	3.604	-4.84	4.80
39	3.152	3.314	3.484	-4.89	4.88
40	3.043	3.202	3.368	-4.97	4.93
41	2.938	3.094	3.257	-5.04	5.00
42	2.838	2.990	3.149	-5.08	5.05
43	2.741	2.890	3.046	-5.16	5.12
44	2.648	2.793	2.946	-5.19	5.19
45	2.558	2.701	2.850	-5.29	5.23
46	2.472	2.611	2.758	-5.32	5.33
47	2.389	2.525	2.669	-5.39	5.40
48	2.309	2.443	2.583	-5.49	5.42
49	2.232	2.363	2.500	-5.54	5.48
50	2.158	2.286	2.421	-5.60	5.58
51	2.087	2.212	2.344	-5.65	5.63
52	2.018	2.140	2.269	-5.70	5.69
53	1.952	2.072	2.198	-5.79	5.73
54	1.888	2.005	2.129	-5.84	5.82
55	1.827	1.941	2.062	-5.87	5.87
56	1.767	1.880	1.998	-6.01	5.91
57	1.710	1.820	1.936	-6.04	5.99
58	1.655	1.763	1.876	-6.13	6.02
59	1.602	1.707	1.818	-6.15	6.11
60	1.551	1.654	1.762	-6.23	6.13
61	1.502	1.602	1.709	-6.24	6.26
62	1.452	1.553	1.657	-6.50	6.28
63	1.409	1.505	1.606	-6.38	6.29
64	1.364	1.458	1.558	-6.45	6.42
65	1.322	1.413	1.511	-6.44	6.49
66	1.280	1.370	1.466	-6.57	6.55
67	1.241	1.328	1.422	-6.55	6.61
68	1.202	1.288	1.379	-6.68	6.60
69	1.165	1.249	1.339	-6.73	6.72
70	1.129	1.211	1.299	-6.77	6.77
71	1.095	1.175	1.261	-6.81	6.82
72	1.061	1.140	1.224	-6.93	6.86
73	1.029	1.106	1.188	-6.96	6.90
74	0.9977	1.073	1.153	-7.02	6.94
75	0.9676	1.041	1.120	-7.05	7.05
76	0.9385	1.011	1.088	-7.17	7.08
77	0.9104	0.9810	1.056	-7.20	7.10
78	0.8833	0.9523	1.026	-7.25	7.18

4. CHECKING COMPONENTS

T [℃]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
79	0.8570	0.9246	0.9971	-7.31	7.27
80	0.8316	0.8977	0.9687	-7.36	7.33
81	0.8071	0.8717	0.9412	-7.41	7.38
82	0.7834	0.8466	0.9146	-7.47	7.43
83	0.7604	0.8223	0.8888	-7.53	7.48
84	0.7382	0.7987	0.8639	-7.57	7.55
85	0.7167	0.7759	0.8397	-7.63	7.60
86	0.6958	0.7537	0.8161	-7.68	7.65
87	0.6755	0.7322	0.7933	-7.74	7.70
88	0.6560	0.7114	0.7712	-7.79	7.75
89	0.6371	0.6913	0.7498	-7.84	7.80
90	0.6188	0.6718	0.7291	-7.89	7.86
91	0.6011	0.6530	0.7051	-7.95	7.39
92	0.5840	0.6348	0.6897	-8.00	7.96
93	0.5674	0.6171	0.6709	-8.05	8.02
94	0.5514	0.6000	0.6527	-8.10	8.07
95	0.5359	0.5835	0.6350	-8.16	8.11
96	0.5209	0.5675	0.6179	-8.21	8.16
97	0.5064	0.5519	0.6014	-8.24	8.23
98	0.4923	0.5369	0.5853	-8.31	8.27
99	0.4787	0.5224	0.5698	-8.37	8.32
100	0.4655	0.5083	0.5547	-8.42	8.36
101	0.4528	0.4946	0.5401	-8.45	8.42
102	0.4404	0.4814	0.5259	-8.52	8.46
103	0.4284	0.4685	0.5121	-8.56	8.51
104	0.4168	0.4561	0.4988	-8.62	8.56
105	0.4056	0.4440	0.4859	-8.65	8.62
106	0.3947	0.4323	0.4733	-8.70	8.66
107	0.3841	0.4210	0.4611	-8.76	8.70
108	0.3739	0.4100	0.4493	-8.80	8.75
109	0.3640	0.3993	0.4379	-8.84	8.81
110	0.3544	0.3890	0.4267	-8.89	8.84
111	0.3450	0.3789	0.4159	-8.95	8.90
112	0.3360	0.3692	0.4055	-8.99	8.95
113	0.3272	0.3597	0.3953	-9.04	9.01
114	0.3187	0.3505	0.3854	-9.07	9.06
115	0.3104	0.3416	0.3758	-9.13	9.10
116	0.3024	0.3330	0.3665	-9.19	9.14
117	0.2947	0.3246	0.3574	-9.21	9.18
118	0.2871	0.3164	0.3468	-9.26	8.77
119	0.2798	0.3085	0.3401	-9.30	9.29
120	0.2727	0.3008	0.33	-9.34	9.34

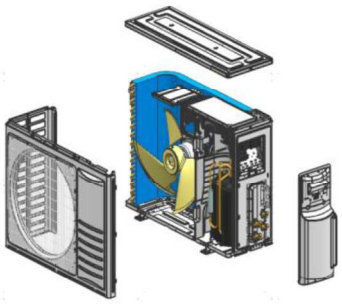
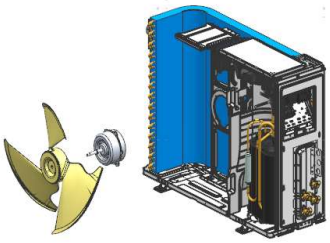
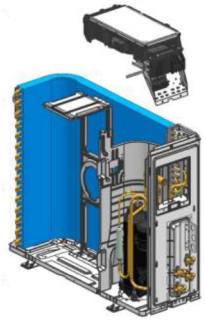
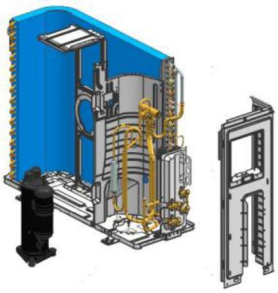
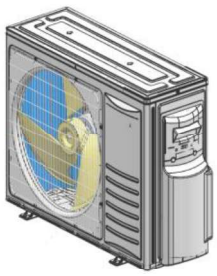
5. Disassembly and Assembly for Compressor and Motor

The special tools for compressor & motor disassembly and assembly：

	Tool
1	Hexagon Screwdriver 
2	Hexagon Socket 

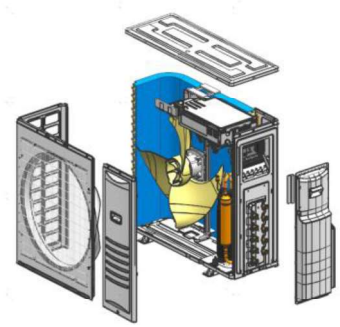
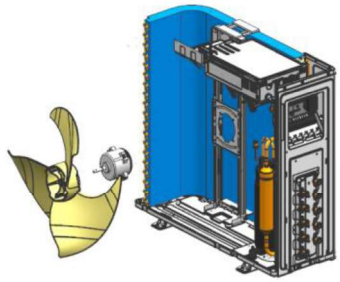
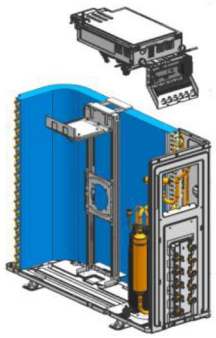
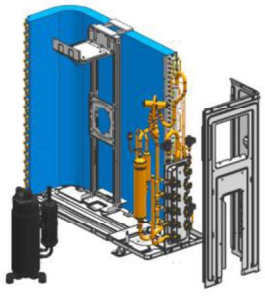
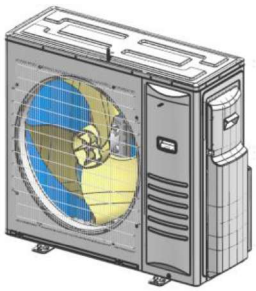
5. DISASSEMBLY AND ASSEMBLY FOR COMPRESSOR AND MOTOR

Outdoor unit
18K

Important: Before disassembly and assembly, make sure that the power to the system has been disconnected and verified as voltage free.		
Step	Illustration	Handling Instruction
1.Remove external casing		1.Remove the top cover, handle and valve cover; 2.Remove the outer case.
2.Remove motor		1.Remove the blade nut and then remove the blade; 2.Remove the motor from motor supporter.
3. Remove electric control assembly		1. Remove the electric control assembly fixing screw 2. Remove the connection Remove the connection.
4. Remove compresso		1. Remove the compressor mounting bolts; 2. Carefully remove the compressor from chassis.
5.Assemble unit		Assemble the unit in the reverse order of disassembly.

5. DISASSEMBLY AND ASSEMBLY FOR COMPRESSOR AND MOTOR

Outdoor unit
24K/36K/48K

Important: Before disassembly and assembly, make sure that the power to the system has been disconnected and verified as voltage free.		
Step	Illustration	Handling Instruction
1. Remove external casing		1.Remove the top cover, handle and valve cover. 2.Remove the outer case.
2.Remove motor		1.Remove the blade nut and then remove the blade. 2.Remove the motor from motor supporter.
3. Remove electric control assembly		1. Remove the electric control assembly fixing screw. 2. Remove the connection Remove the connection.
4. Remove compresso		1. Remove the compressor mounting bolts. 2. Carefully remove the compressor from chassis.
5.Assemble unit		Assemble the unit in the reverse order of disassembly.

Specifications in this document are subject to change without notice, in order that Hitachi-Johnson Controls Air Conditioning, Inc. may bring the latest innovations to their customers.

Hitachi-Johnson Controls Air Conditioning, Inc.