HITACHI

TECHNICAL CATALOGUE

PRIMAIRY
LARGE SINGLE SPLIT
DC-INVERTER SERIES

INDOOR UNITS

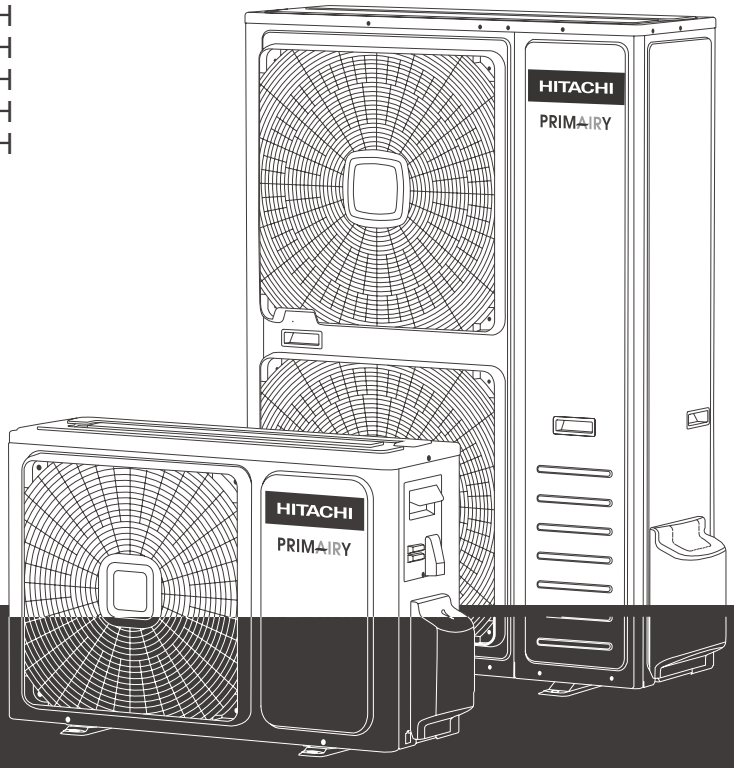
MODELS

DUCTED	CASSETTE	FLOOR CEILING
RPIL-3.0UFE1NH	RCI-3.0UFE1NH	RPFC-3.0UFE1NH
RPIH-3.5UFE1NH	RCI-3.5UFE1NH	RPFC-3.5UFE1NH
RPIH-4.0UFE1NH	RCI-4.0UFE1NH	RPFC-4.0UFE1NH
RPIH-5.0UFE1NH	RCI-5.0UFE1NH	RPFC-5.0UFE1NH
RPIH-6.0UFE1NH	RCI-6.0UFE1NH	RPFC-6.0UFE1NH
RPIH-6.5UFE1NH	RCI-6.5UFE1NH	RPFC-6.5UFE1NH

OUTDOOR UNITS

MODELS

RAS-3.0UFESNH1
RAS-3.5UFESNH1
RAS-4.0UFESNH1
RAS-5.0UFESMH1
RAS-6.0UFESMH1
RAS-6.5UFESMH1
RAS-5.0UFESNH1
RAS-6.0UFESNH1



HC2019308HF

air

Cooling & Heating

SAFETY SUMMARY

IMPORTANT NOTICE

- We pursue a policy of continuing improvement in design and performance of products. The right is therefore reserved to vary specifications without notice.
- We cannot anticipate every possible circumstance that might involve a potential hazard.
- This air conditioner is designed for standard air conditioning only. Do not use this air conditioner for other purposes such as server room application,data center application,drying clothes,refrigerating foods or for any other similar cooling or heating process.
  Do not let the air-out face animals or plants, it might have an adverse effect on them.
- The installer and system specialist shall secure safety against leakage according to local regulations or standards.
- Signal words (DANGER, WARNING and CAUTION) are used to identify levels of hazard seriousness. Definitions for identifying hazard levels are provided below with their respective signal words.

⚠DANGER : Immediate hazards which WILL result in severe personal injury or death.

⚠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.

NOTE : Useful information for operation and/or maintenance.

- Installation should be performed by the dealer or other professional personnels.Improper installation may cause water leakage, electrical shock, or fire.

⚠DANGER

- Do not perform installation work, refrigerant piping work, drain piping and electrical wiring connection without referring to our installation manual. If the instructions are not followed, it may result in water leakage, electric shock or fire.
- Use refrigerant R32 in the refrigerant cycle.
- Do not pour water into the indoor or outdoor unit. These products are equipped with electrical parts. If poured, it will cause a serious electrical shock.
- Do not open the service cover or access panel for the indoor or outdoor units without turning OFF the main power supply.
- Do not touch or adjust safety devices inside the indoor or outdoor units. If these devices are touched or readjusted, it may cause a serious accident.
- Refrigerant leakage can cause difficulty in breathing due to insufficient air. Turn OFF the main switch, extinguish any naked flames and contact your service contractor, if refrigerant leakage occurs.
- Do perform air-tight test.Do not charge oxygen, acetylene or other flammable and poisonous gas into the refrigerant cycle when performing a leakage test or an air-tight test. These types of gas are extremely dangerous and can cause an explosion. It is recommended that nitrogen be used for this test.
- The installer and system specialist shall secure safety against refrigerant leakage according to local regulations or standards.
- Use an ELB (Electric Leakage Breaker). In the event of a fault, there is danger of an electric shock or a fire if it is not used.

⚠WARNING

- Do not use any sprays such as insecticide, lacquer, hair spray or other flammable gas within approximately one (1) meter from the system.

- If circuit breaker or fuse is often activated, stop the system and contact your service contractor.
- Check that the ground wire is securely connected. If the unit is not correctly grounded, it will lead to electric shock. Do not connect the ground wiring to gas piping, water piping, lightning conductor or ground wiring for telephone.
- Before performing any brazing work, check to ensure that there is no flammable material around. When using refrigerant, be sure to wear leather gloves to prevent cold injuries.
- Protect the wires, electrical parts, etc. from rats or other small animals.
  If not protected, rats may gnaw at unprotected parts, which may lead to a fire.
- Fix the cables securely. External force on the terminals could lead to a fire.
- Install the air conditioner on a solid base that can support the unit weight. An inadequate base or incomplete installation may cause injury in the event the unit falls off the base. Incomplete connections or clamping may cause terminal overheating or fire.
- Make sure that the outdoor unit is not covered with snow or ice, before operation.

⚠CAUTION

- Do not step or put any material on the product.
- Do not put any foreign material on the unit or inside the unit.

NOTE

- It is recommended that the room be ventilated every 3 to 4 hours.
- The air conditioner may not work properly under the following circumstances.
  The power transformer provides the same power with the air conditioner. The electrical equipment is too close to the power supply of the air conditioner. With the sharp change of power consumption and switching action, the power supply of the air conditioner will generate a large induction surge voltage.

CHECKING PRODUCT RECEIVED

- Upon receiving this product, inspect it for any shipping damage. Claims for damage, either apparent or concealed, should be filed immediately with the shipping company.
- Check the model number, electrical characteristics (power supply, voltage and frequency) and accessories to determine if they are correct.
  The standard utilization of the unit shall be explained in these instructions.
  Therefore, the utilization of the unit other than those indicated in these instructions is not recommended.
  Please contact your local agent, as the occasion arises.

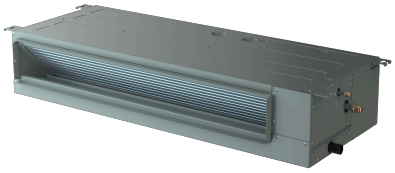
• ***The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner you have selected.***

Table of Contents

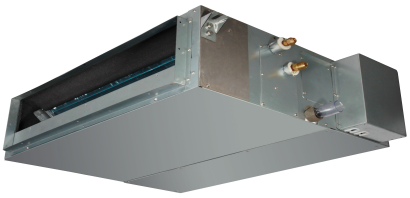
1. General 1
    1.1 Features 1
    1.2 Product Lineup 4
    1.3 Nomenclature for Hitachi PAC 4
    1.4 Unit Installation 5
    1.5 Working Range 5
    1.6 Product Appearance 6
2. Specifications 10
    2.1 Ducted Type 10
    2.2 Cassette Type 14
    2.3 Floor Ceiling Type 18
3. Outlines and Dimensions 22
    3.1 Indoor Units 22
    3.2 Outdoor Units 27
4. Electrical Data 31
5. Capacities and Selection Data 32
    5.1 Capacity Characteristic Charts 32
    5.2 Piping Length Correction Factor 90
    5.3 Correction Factors According to Defrosting Operation 92
6. Sound Pressure Data 93
7. Air Flow Distribution 100
    7.1 Cassette 100
    7.2 Floor Ceiling 106
8. ESP (External static pressure) Chart (Ducted type) 118
9. Refrigerant Cycle 124
10. Fresh Air Intake Function 129
11. Wiring Diagram 131
    11.1 Electrical Wiring Diagrams 131
    11.2 Control Board Picture 142
    11.3 Common Wiring 147
12. Field Setting 148
    12.1 Outdoor Unit DIP Switch 148
    12.2 ESP Setting 149
    12.3 Indoor Unit Parameter Revision 150
    12.4 Running Parameter Query 152
    12.5 Setting for Access Control and Fire Protection Functions with External Input Contact 155
    12.6 Instructions to Use an External Input Contact for ON/OFF Operation 157
13. Piping Work and Refrigerant Charge 160
    13.1 MAX. Length Allowed 160
    13.2 Oil Trap 160
    13.3 Air Tight Test 161
    13.4 Additional Refrigerant Charge 161
14. Installation Tools and Installation Flow Chart 162
    14.1 Necessary Tools and Instrument List for Installation 162
    14.2 Installation Flow Chart 163
15. Control Mode 164
    15.1 Indoor Unit Mode Control 164
    15.2 Outdoor Unit Mode Control 167
16. Sensor Parameter 168

1. GENERAL

1.1 Features



Ducted Type Air Conditioner



Features

- **Saving Installation Space**

  The indoor unit can be installed inside the ceiling conveniently.

- **Optional Static Pressure**

  Optional ESP, a variety of optional installation methods.

- **24-hour Timer ON and OFF**

  This Timer can be set to automatically turn the unit on or off within a 24-hour period.

- **Mute Operation**

  The excellent fan design enables smooth airflow with minimum noise.

- **Meeting Various Installation Requirements**

  Both the back-air-inlet type and down-air-inlet type can be installed according to the actual installation space. Diffenrence lies in that the noise of the down-air-inlet type increases by 5-6dB.

- **Auto Re-start from Power Break**

  When the power supply is recovered after power break, all presets are still effective and the air conditioner will run according to the previous setting.

- **Fault Self-diagnosis Function**

  When there is a problem in the air conditioner, the microcomputer could diagnose the faults, which can be read from the display and is convenient for maintenance.

1. GENERAL

Cassette Type Air Conditioner

Features

- **Saving Installation Space**

  The indoor unit can be installed inside the ceiling conveniently.

- **24-hour Timer ON and OFF**

  This Timer can be set to automatically turn the unit on or off within a 24-hour period.

- **Mute Operation**

  The excellent fan design enables smooth airflow with minimum noise.

- **Auto Re-start from Power Break**

  When the power supply is recovered after power break, all presets are still effective and the air conditioner will run according to the previous setting.

- **Fault Self-diagnosis Function**

  When there is a problem in the air conditioner, the microcomputer can diagnose the faults, which can be read from the display and is convenient for maintenance.

1. GENERAL

Ceiling & Floor Air Conditioner

Features

- **Saving Installation Space**

  The indoor unit is only 230mm high, so it can be installed inside the ceiling conveniently.

- **Flexible Installation Options**

  According to the actual installation space, the indoor unit can be installed in the ceiling or on the floor. One unit, two installation methods.

- **24-hour Timer ON and OFF**

  This Timer can be set to automatically turn the unit on or off within a 24-hour period.

- **Mute Operation**

  The excellent fan design enables smooth airflow with minimum noise.

- **Various Refrigerant Pipe Connecting Methods**

  The refrigerant pipe can be connected from 3 different directions (rear, right, or top).

- **Auto Re-start from Power Break**

  When the power supply is recovered after power break, all presets are still effective and the air conditioner will run according to the previous setting.

- **Fault Self-diagnosis Function**

  When there is a problem in the air conditioner, the microcomputer could diagnose the faults, which can be read from the display and is convenient for maintenance.

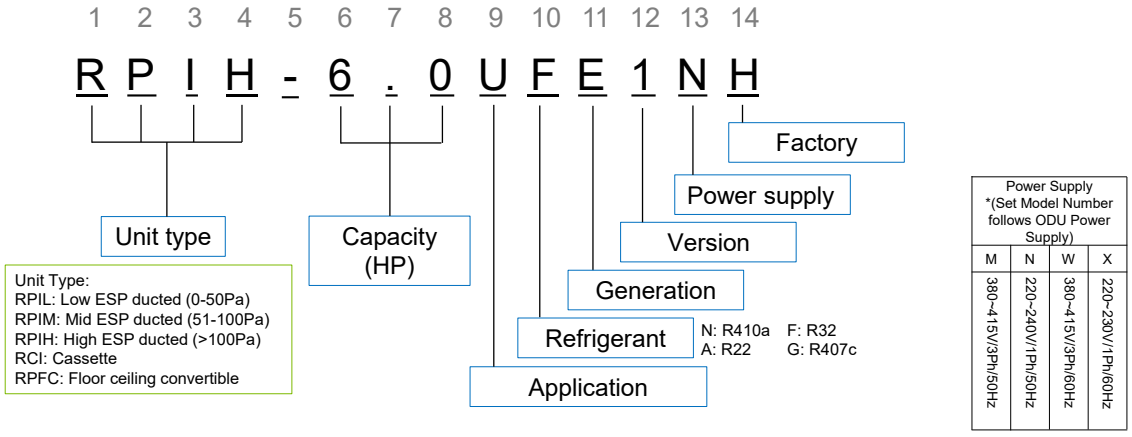
1.2 Product Lineup

Model (HP) / Type	3.0	3.5	4.0	5.0	6.0	6.5
Ducted	●	●	●	●	●	●
Cassette	●	●	●	●	●	●
Floor Ceiling	●	●	●	●	●	●

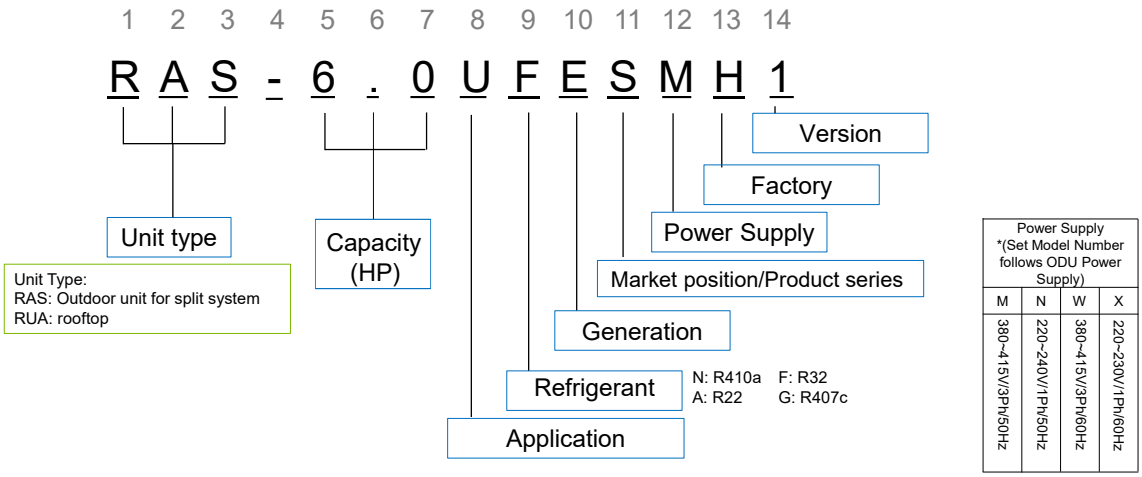
●: available model

1.3 Nomenclature for Hitachi PAC

Indoor unit model



Outdoor unit model



1.4 Unit Installation

1:1 system is the only compatible combination.

(Only one indoor unit can be connected with one outdoor unit.)

1.5 Working Range

Power Supply

Working voltage	176V~264V (Single phase 3.0HP-6.0HP),342V~438V (Three phase 5.0HP-6.5HP)
Voltage imbalance	Within a 3% deviation from each voltage at the main terminal of the outdoor unit
Starting voltage	Higher than 5% of the rated voltage

Operating temperature range

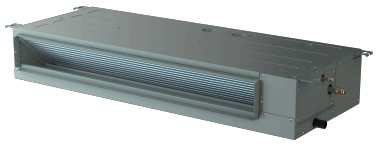
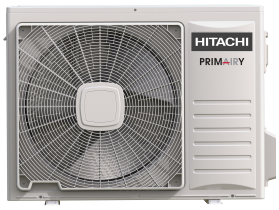
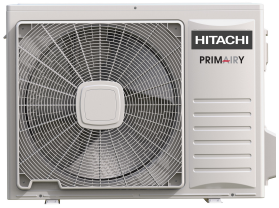
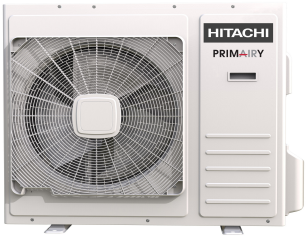
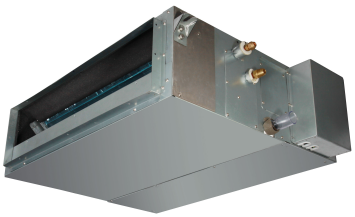
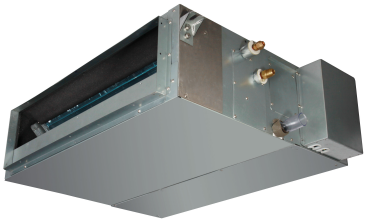
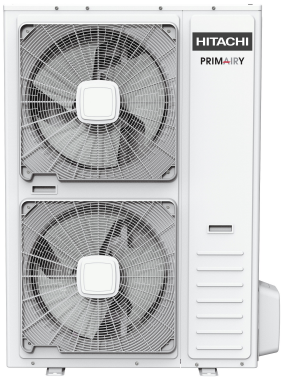
This air conditioner is designed for the following outdoor operating temperatures.

Type	Mode	Outdoor operating temperature (℃)	
		maximum	minimum
DC-Inverter Split Air Conditioner (Heat pump type)	Cooling Operation	48	-15
	Heating Operation	24	-15

Storage condition:
Temperature: -25~60℃
Humidity: 30%~80%

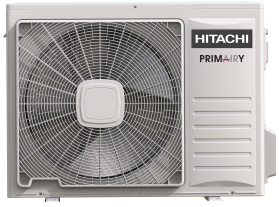
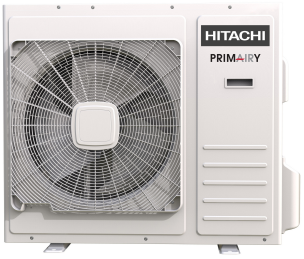
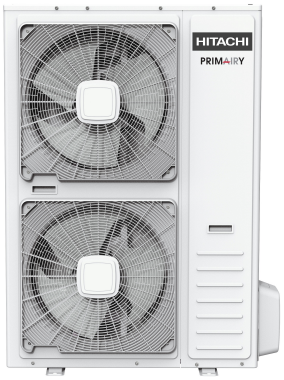
1.6 Product Appearance

Ducted type

Model (HP)	Indoor Unit	Outdoor Unit
3.0		
3.5		
4.0		
5.0		
6.0/6.5		

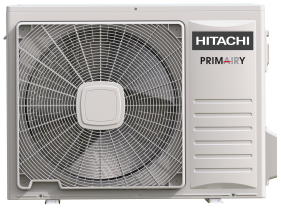
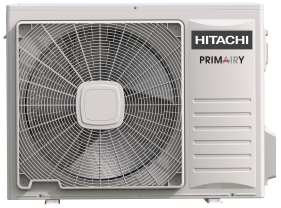
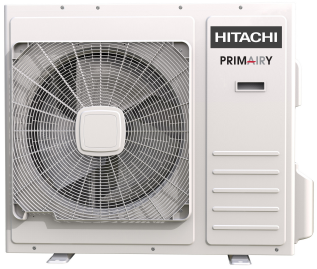
1. GENERAL

Cassette type

Model (HP)	Indoor Unit	Outdoor Unit
3.0/3.5		
4.0		
5.0		
6.0/6.5		

1. GENERAL

Floor ceiling type

Model (HP)	Indoor Unit	Outdoor Unit
3.0		
3.5		
4.0		
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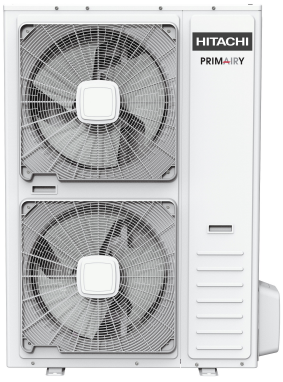
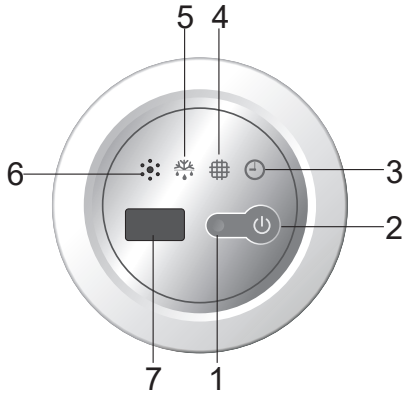
6.0/6.5		

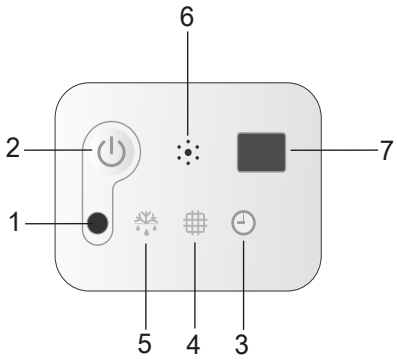
1. GENERAL

Display panel

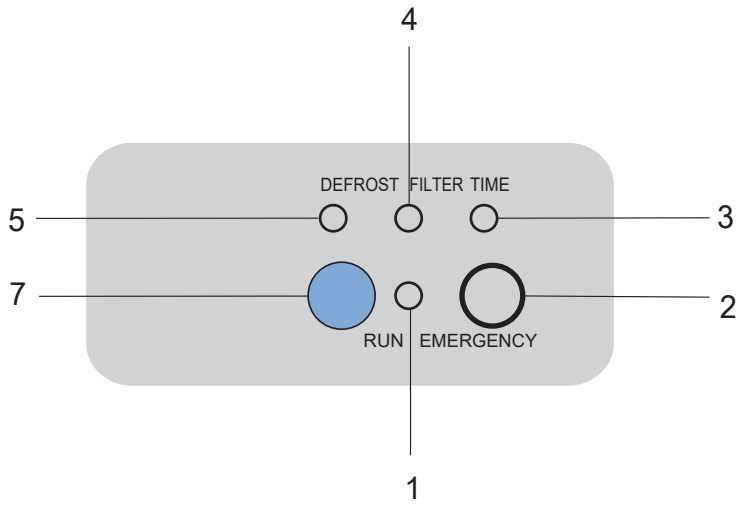
Ducted type



Cassette type



Floor ceiling type



Description

1 Run indicator (Red)
It lights on in operation. It lights off in SLEEP mode.
2 Emergency switch
The filter cleaning indicator is reset when the switch is pressed. The unit will be started or stopped once the switch is pressed. The unit will be operated in forced cooling mode if press the switch continuously for more than 5s when the unit is off.
3 Timer indicator (Green)
It lights on when timer is in use. It lights off when timer completes.
4 Filter cleaning (Yellow)
It lights on when the filter needs to be cleaned.
5 Defrosting indicator (Green)
It lights on during defrosting and it lights off when defrosting is completed.
6 Buzzer
It rings when the signal from remote controller is received.
7 Infrared receiver
Receives signal from the remote controller.

2. SPECIFICATIONS

2.1 Ducted Type

Indoor model				RPIL-3.0UFE1NH	RPIH-3.5UFE1NH	RPIH-4.0UFE1NH	RPIH-5.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.5UFE1NH
Outdoor model				RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-5.0UFESNH1	RAS-6.0UFESMH1	RAS-6.0UFESNH1	RAS-6.5UFESMH1
Electric parameter	Power supply	Indoor	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power supply	Outdoor	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
	Input consumption	Max.	W	4100	4100	5100	6400	6400	7200	7200	7800
	Input current	Max.	A	18.10	18.00	22.50	11.60	28.20	12.60	30.00	13.1
Seasonal efficiency	Cooling	Pdesignc	kW	6.90	8.50	10.10	12.10	12.50	14.19	14.10	17.10
		SEER	Btu/(W·h)	6.29	6.20	6.10	6.28	6.10	5.94	5.94	5.81
		ηs,c	100%	-	-	-	248%	241%	235%	235%	229%
		Energy Efficiency Class	-	A++	A++	A++	-	-	-	-	-
		Annual energy consumption	kWh/a	395	499	577	761	698	849	829	943
	Heating (Average Season)	Pdesignh	kW	6.00	6.50	8.20	9.50	9.00	12.40	12.10	11.00
		SCOP	Btu/(W·h)	4.05	4.00	3.92	3.70	3.70	3.70	3.70	3.72
		ηs,c	100%	-	-	-	145%	145%	145%	145%	146%
		Energy Efficiency Class	-	A+	A+	A	-	-	-	-	-
		Annual energy consumption	kWh/a	2007	2313	2926	3674	3392	4694	4503	4205
		Tbiv	℃	-7	-7	-7	-7	-7	-7	-7	-7
		Tol	℃	-15	-15	-15	-15	-15	-15	-15	-15
Cooling	Capacity	Rated	kW	6.90	8.50	10.10	12.10	12.50	14.19	14.10	17.10
		Range (Min~Max)	kW	2.45~7.85	4.00~9.50	3.50~11.00	3.30~13.20	3.30~13.20	3.20~16.00	3.20~16.00	3.30~18.50
	Moisture Removal	L/h	L/h	1.95	3.20	4.40	5.30	5.30	6.00	6.00	6.40
	Input	Rated	kW	2.16	2.67	3.80	4.22	4.38	4.78	4.78	6.60
		Range (Min~Max)	kW	0.33~4.10	0.90~4.10	0.90~5.10	0.88~6.40	0.88~6.40	0.80~7.20	0.80~7.20	1.67~7.80
	Current	Rated	A	9.50	11.60	17.10	7.40	19.00	8.70	21.00	12.50
	EER	Rated	W/W	3.19	3.18	2.66	2.87	2.85	2.97	2.95	2.59
Heating	Capacity	Rated	kW	8.30	9.00	10.50	13.40	12.80	16.13	16.50	18.00
		Range (Min~Max)	kW	2.20~8.70	3.50~9.40	3.32~12.00	3.00~14.60	3.00~14.60	3.40~18.50	3.40~18.50	3.00~19.50
	Input	Rated	kW	2.22	2.40	3.50	4.07	3.82	4.65	4.85	6.10

2. SPECIFICATIONS

Indoor model				RPIL-3.0UFE1NH	RPIH-3.5UFE1NH	RPIH-4.0UFE1NH	RPIH-5.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.5UFE1NH
Outdoor model				**RAS-3.0UFESNH1**	**RAS-3.5UFESNH1**	**RAS-4.0UFESNH1**	**RAS-5.0UFESMH1**	**RAS-5.0UFESNH1**	**RAS-6.0UFESMH1**	**RAS-6.0UFESNH1**	**RAS-6.5UFESMH1**
Heating		Range (Min~Max)	kW	0.33~4.10	0.66~4.10	0.70~5.10	0.74~6.40	0.74~6.40	0.78~7.20	0.78~7.20	1.36~7.80
	Current	Rated	A	10.30	10.50	16.00	7.30	16.60	8.40	21.00	11.60
	COP	Rated	W/W	3.74	3.75	3.00	3.29	3.35	3.47	3.40	2.95
Indoor fan motor	Model		-	SIC-68CVL-F160-2	SIC-101CW-F1210	SIC-101CW-F1210	SIC-101CW-F1250-4	SIC-101CW-F1250-4	SIC-101CW-F1250-4	SIC-101CW-F1250-4	SIC-101CW-F1250-4
	Qty		-	1	1	1	1	1	1	1	1
	Output		W	60	210	210	250	250	250	250	250
	Speed(Hi/Med/Lo)		r/min	950/800/670	900/800/640	1050/980/900	910/810/710	910/810/710	1100/1000/900	1100/1000/900	1100/1000/900
Indoor coil	Number of rows		-	3	3	3	3	3	3	3	3
	Tube pitch(a) ×Row pitch(b)		mm	21×13.6	21×13.6	21×13.6	21×18.19	21×18.19	21×18.19	21×18.19	21×18.19
	Fin spacing		mm	1.60	1.60	1.60	1.40	1.40	1.40	1.40	1.40
	Fin type		-	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside diameter and type		mm	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube
	Coil (Length ×Height ×Width)		mm	1002×210×40.8	960×336×40.8	960×336×40.8	1100×378×54.6	1100×378×54.6	1100×378×54.6	1100×378×54.6	1100×378×54.6
	Number of circuits		-	6	6	6	9	9	9	9	9
Indoor unit	Dimension	W×H×D	mm	1180×190×447	1140×268×720	1140×268×720	1300×350×800	1300×350×800	1300×350×800	1300×350×800	1300×350×800
	Packing	W×H×D	mm	1350×285×565	1330×360×870	1330×360×870	1550×410×940	1550×410×940	1550×410×940	1550×410×940	1550×410×940
	Weight	Net/Gross	kg	24.0/27.5	37.5/44.5	37.5/44.5	51.0/60.0	51.0/60.0	51.0/60.0	51.0/60.0	51.0/60.0
	Air Volume	Hi/Med/Lo	m^3/h	1000/700/490	1450/1120/900	1800/1600/1400	1750/1500/1300	1750/1500/1300	2400/2200/1900	2400/2200/1900	2400/2200/1900
		Hi/Med/Lo	CFM	588/411/288	853/659/529	1059/941/824	1029/882/765	1029/882/765	1412/1294/1118	1412/1294/1118	1412/1294/1118
	Sound Level (SPL)	Hi/Med/Lo	dB(A)	38/34/31	41/38/33	42/40/38	43/40/37	43/40/37	47/45/42	47/45/42	48/45/43
	Sound Level (PWL)	Hi	dB(A)	61	63	65	69	69	77	77	77
	External Static Pressure	Rated	Pa	25	37	37	50	50	50	50	50
		Range	Pa	0~40	0~120	0~120	0~120	0~120	0~120	0~120	0~120
	Controller	Type	-	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired
		Model	-	HCWA21NEWH	HCWA21NEWH	HCWA21NEWH	HCWA21NEWH	HCWA21NEWH	HCWA21NEWH	HCWA21NEWH	HCWA21NEWH
	Drainage water pipe diameter		mm	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32
	Drain pump		-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	Air filter		-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	Qty'per 20' /40' /40'HQ		-	128/264/297	60/126/147	60/126/147	35/75/90	35/75/90	35/75/90	35/75/90	35/75/90
	Design	H/L	MPa	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6

2. SPECIFICATIONS

Indoor model				RPIL-3.0UFE1NH	RPIH-3.5UFE1NH	RPIH-4.0UFE1NH	RPIH-5.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.5UFE1NH
Outdoor model				RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-5.0UFESNH1	RAS-6.0UFESMH1	RAS-6.0UFESNH1	RAS-6.5UFESMH1
Room temperature	Setting Temperature Range	Cooling	℃	16~30	16~30	16~30	16~30	16~30	16~30	16~30	16~30
		Heating	℃	16~30	16~30	16~30	16~30	16~30	16~30	16~30	16~30
Compressor	Model		-	KTM240D57UMT	KTM240D57UMT	KTF310D43UMT	KTF310D43UMT	KTF310D43UMT	KTF400D64UMT	KTF400D64UMT	KTQ420D1UMU
	Type		-	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		-	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity		Btu/h	26323	26331	34154	34154	34154	34470	34470	46755
	Input		W	2085	2085	2765	2765	2765	3155	3155	3700
	Rated current(RLA)		A	9.45	9.45	5.38	5.38	5.38	13.20	13.20	7.02
	Refrigerant oil	Model	-	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74
		Amount	ml	670	670	1000	1000	1000	1000	1000	1400
Outdoor fan motor	Model		-	SIC-61FW-F161-1	SIC-61FW-F161-1	SIC-71FW-F8121-1	SIC-81FW-F1138-1	SIC-81FW-F1138-1	SIC-71FW-D8121-1 &SIC-71FW-D8121-2	SIC-71FW-D8121-1 SIC-71FW-D8121-2	SIC-71FW-D8121-1 &SIC-71FW-D8121-2
	Qty		-	1	1	1	1	1	2	2	2
	Output		W	61	61	121	138	138	121	121	121
	Speed		r/min	880	880	830	810	810	810	810	810
Outdoor coil	Number of rows		-	2	2	2	2	2	2	2	2
	Tube pitch(a) x Row pitch(b)		mm	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65
	Fin spacing		mm	1.40	1.40	1.30	1.60	1.60	1.40	1.40	1.40
	Fin type		-	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside diameter and type		mm	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube
	Coil (Length×Height ×Width)		mm	900×630×43.3	900×630×43.3	970×798×43.3	970×1008×43.3	970×1008×43.3	970×1344×43.3	970×1344×43	970×1344×43.3
	Number of circuits		-	6	6	5	6	6	12	12	12
Outdoor unit	Dimension	W×H×D	mm	860×670×310	860×670×310	950×840×340	950×1050×340	950×1050×340	950×1386×340	950×1386×340	950×1386×340
	Packing	W×H×D	mm	990×730×450	990×730×450	1110×920×460	1110×1200×460	1110×1200×460	1110×1530×460	1110×1530×460	1110×1530×460
	Weight	Net/Gross	kg	49.0/53.0	49.0/53.0	70.0/75.0	85.0/95.0	85.0/97.0	101.5/114.5	101.5/114.5	109.0/121.0
	Air Volume	Hi	m^3/h	3150	3150	3800	5800	5800	6300	6300	6300
	Sound Level (SPL)	Hi	dB(A)	54	54	58	62	62	62	62	67

2. SPECIFICATIONS

Indoor model				RPIL-3.0UFE1NH	RPIH-3.5UFE1NH	RPIH-4.0UFE1NH	RPIH-5.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.5UFE1NH
Outdoor model				**RAS-3.0UFESNH1**	**RAS-3.5UFESNH1**	**RAS-4.0UFESNH1**	**RAS-5.0UFESMH1**	**RAS-5.0UFESNH1**	**RAS-6.0UFESMH1**	**RAS-6.0UFESNH1**	**RAS-6.5UFESMH1**
Outdoor unit	**Sound Level** (PWL)	Hi	dB(A)	69	70	70	76	76	76	76	80
	Refrigerant	Type	-	R32	R32	R32	R32	R32	R32	R32	R32
		Amount	kg	1.40	1.45	2.00	2.50	2.50	3.00	3.00	3.40
		TCO2Eq	-	0.945	0.979	1.350	1.688	1.688	2.025	2.025	2.295
		GWP	-	675	675	675	675	675	675	675	675
	Throttle type		-	EEV	EEV	EEV	EEV	EEV	EEV	EEV	EEV
	Qty'per 20' /40' /40'HQ		-	90/186/186	90/186/186	52/106/106	26/53/106	26/53/106	26/53/53	26/53/53	26/53/53
	Design pressure	H/L	MPa	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6
Refrigerant piping	Liquid/ Gas		mm(inch)	Φ9.52/Φ15.88 (3/8'/5/8')	Φ9.52/Φ15.88 (3/8'/5/8')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')
	Pipe length	Max.	m	50	50	50	50	50	50	50	50
	Height difference	Max. (OD lower)	m	30	30	30	30	30	30	30	30
		Max. (OD higher)	m	30	30	30	30	30	30	30	30
	Add Refrigerant Amount		g/m	28	28	28	28	28	28	28	28
	Pipe Length for Additional Refrigerant		m	5	5	5	5	5	5	5	5
Ambient Temperature Range	Cooling		℃	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48
	Heating		℃	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24

NOTE:

1. Test conditions：
   Cooling： Indoor: DB27℃/ WB19℃ Outdoor: DB35℃/ WB24℃
   Heating: Indoor: DB20℃/ WB15℃ Outdoor: DB7℃/ WB 6℃
2. The Sound Pressure Level is based on the following conditions:
   Outdoor unit：
   Measure the noise value of 3 points，which are1 meter in front of the three sides of the unit surface (front/left/right) and 1/2(unit height +1) meter high from floor level, and calculate the weighted average of the noise.
   Indoor unit：
   Ducted:
   Measure the noise value of the point 1.4m below the unit and 1.0m high from the ground.
3. The above data was measured in an anechoic chamber. Please take into consideration the reflected sound of your specific application environment.
4. All specifications are subject to change by the manufacturer without prior notice.
5. Standard Drain Pump for Ducted with Height Lift 700mm.

2. SPECIFICATIONS

2.2 Cassette Type

Indoor model				RCI-3.0UFE1NH	RCI-3.5UFE1NH	RCI-4.0UFE1NH	RCI-5.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-6.0UFE1NH	RCI-6.5UFE1NH
Outdoor model				**RAS-3.0UFESNH1**	**RAS-3.5UFESNH1**	**RAS-4.0UFESNH1**	**RAS-5.0UFESMH1**	**RAS-5.0UFESNH1**	**RAS-6.0UFESMH1**	**RAS-6.0UFESNH1**	**RAS-6.5UFESMH1**
Panel				PHKF160SAH1	PHKF160SAH1	PHKF160SAH1	PHKF160SAH1	PHKF160SAH1	PHKF160SAH1	PHKF160SAH1	PHKF160SAH1
Electric parameter	Power supply	Indoor	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power supply	Outdoor	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
	Input consumption	Max.	W	4100	4100	5100	6400	6400	7100	7200	7800
	Input current	Max.	A	18.10	18.00	22.50	11.60	28.20	12.10	30.00	13.1
Seasonal efficiency	Cooling	Pdesignc	kW	7.00	8.70	10.10	12.10	12.70	13.89	14.00	16.90
		SEER	Btu/(W·h)	6.73	6.10	6.10	6.05	5.90	5.64	5.70	5.60
		ηs,c	100%	-	-	-	239%	233%	223%	225%	221%
		Energy Efficiency Class	-	A++	A++	A++	-	-	-	-	-
		Annual energy consumption	kWh/a	388	511.00	580	757	705	894	859	883
	Heating (Average Season)	Pdesignh	kW	6.00	7.20	8.20	9.50	9.00	13.50	13.00	13.50
		SCOP	Btu/(W·h)	4.33	4.20	3.92	3.98	3.80	3.81	3.75	3.87
		ηs,c	100%	-	-	-	156%	149%	149%	147%	152%
		Energy Efficiency Class	-	A+	A+	A	-	-	-	-	-
		Annual energy consumption	kWh/a	1907	2423	3018	3675	3305	5086	4765	4037
		Tbiv	℃	-7	-7	-7	-7	-7	-7	-7	-7
		Tol	℃	-15	-15	-15	-15	-15	-15	-15	-15
Cooling	Capacity	Rated	kW	7.00	8.70	10.10	12.10	12.70	13.89	14.00	16.90
		Range (Min~Max)	kW	2.40~7.85	4.00~9.20	3.50~11.00	3.30~13.20	3.30~13.20	3.40~16.20	3.40~16.20	3.30~18.00
	Moisture Removal	L/h	L/h	1.95	3.20	4.40	5.30	5.30	6.00	6.00	6.40
	Input	Rated	kW	1.91	2.71	3.72	4.24	4.31	4.81	5.00	6.72
		Range (Min~Max)	kW	0.33~4.10	0.90~4.10	0.90~5.10	0.96~6.40	0.96~6.40	0.91~7.10	0.91~7.10	1.67~7.80
	Current	Rated	A	8.50	11.80	16.80	7.40	18.70	8.70	22.00	12.50
	EER	Rated	W/W	3.66	3.21	2.72	2.85	2.95	2.89	2.80	2.51
Heating	Capacity	Rated	kW	8.25	9.00	11.20	13.50	13.30	16.53	15.80	19.49
		Range (Min~Max)	kW	2.10~8.80	3.50~9.50	3.32~12.00	3.00~14.60	3.00~14.60	3.70~18.00	3.70~18.00	3.00~21.00

2. SPECIFICATIONS

Indoor model				RCI-3.0UFE1NH	RCI-3.5UFE1NH	RCI-4.0UFE1NH	RCI-5.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-6.0UFE1NH	RCI-6.5UFE1NH
Outdoor model				RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-5.0UFESNH1	RAS-6.0UFESMH1	RAS-6.0UFESNH1	RAS-6.5UFESMH1
Heating	Input	Rated	kW	2.03	2.25	3.50	3.70	3.86	4.71	4.95	6.74
		Range (Min~Max)	kW	0.33~4.10	0.66~4.10	0.60~5.10	0.68~6.40	0.68~6.40	0.82~7.10	0.82~7.10	1.36~7.80
	Current	Rated	A	9.00	9.80	16.00	6.50	16.80	8.40	23.00	12.60
	COP	Rated	W/W	4.06	4.00	3.20	3.65	3.45	3.51	3.19	2.89
Indoor fan motor	Model		-	EHDS50AQH	EHDS50AQH	EHDS50AQH	SIC-72FW-D812 4-2B	SIC-72FW-D812 4-2B	SIC-72FW-D812 4-2B	SIC-72FW-D812 4-2B	SIC-72FW-D812 4-2B
	Qty		-	1	1	1	1	1	1	1	1
	Output		W	80	80	80	124	124	124	124	124
	Speed(Hi/Med/Lo)		r/min	460/400/300	550/480/390	600/480/390	630/600/570	630/600/570	700/540/460	700/540/460	740/540/460
Indoor coil	Number of rows		-	2	3	3	3	3	3	3	3
	Tube pitch(a) x Row pitch(b)		mm	21x13.6	21x13.6	21x13.6	21x13.6	21x13.6	21×13.6	21×13.6	21×13.6
	Fin spacing		mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Fin type		-	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside diameter and type		mm	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube
	Coil (Length x Height x Width)		mm	1870×189×27.2	1940×189×40.8	1940×189×40.8	1940×252×40.8	1940×252×40.8	1940×252×40.8	1940×252×40.8	1940×252×40.8
	Number of circuits		-	6	5	5	6	6	6	6	6
Indoor unit	Dimension	W×H×D	mm	840×248×840	840×248×840	840×248×840	840×298×840	840×298×840	840×298×840	840×298×840	840×298×840
	Packing	W×H×D	mm	996×370×956	996×370×956	996×370×956	996×420×956	996×420×956	996×420×956	996×420×956	996×420×956
	Weight	Net/Gross	kg	25.0/34.0	27.0/36.0	27.0/36.0	32.0/41.0	32.0/41.0	32.0/41.0	32.0/41.0	32.0/41.0
	Air Volume	Hi/Med/Lo	m^3/h	1180/980/720	1400/1120/900	1600/1300/1000	1850/1700/1550	1850/1700/1550	2100/1700/1400	2100/1700/1400	2100/1700/1400
		Hi/Med/Lo	CFM	694/576/423	824/659/529	941/765/588	1088/1000/912	1088/1000/912	1235/1000/824	1235/1000/824	1235/1000/824
	Sound Level (SPL)	Hi/Med/Lo	dB(A)	45/42/37	48/46/42	50/45/42	51/49/47	51/49/47	51/45/42	51/45/42	52/45/42
	Sound Level (PWL)	Hi	dB(A)	59	62	65	64	64	65	65	68
	External Static Pressure	Rated	Pa	-	-	-	-	-	-	-	-
		Range	Pa	-	-	-	-	-	-	-	-
	Controller	Type	-	Wireless	Wireless	Wireless	Wireless	Wireless	Wireless	Wireless	Wireless
		Model	-	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH
	Drainage water pipe diameter		mm	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32
	Drain pump		-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard

2. SPECIFICATIONS

Indoor model				RCI-3.0UFE1NH	RCI-3.5UFE1NH	RCI-4.0UFE1NH	RCI-5.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-6.0UFE1NH	RCI-6.5UFE1NH
Outdoor model				**RAS-3.0UFESNH1**	**RAS-3.5UFESNH1**	**RAS-4.0UFESNH1**	**RAS-5.0UFESMH1**	**RAS-5.0UFESNH1**	**RAS-6.0UFESMH1**	**RAS-6.0UFESNH1**	**RAS-6.5UFESMH1**
Indoor unit	Air filter		-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	Qty'per 20' /40' /40'HQ		-	60/124/140	60/124/140	60/124/140	50/114/128	50/114/128	50/114/128	50/114/128	50/114/128
	Design	H/L	MPa	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6
Panel	Dimension	W×H×D	mm	950×37×950	950×37×950	950×37×950	950×37×950	950×37×950	950×37×950	950×37×950	950×37×950
	Packing	W×H×D	mm	990×115×1010	990×115×1010	990×115×1010	990×1150×1010	990×115×1010	990×115×1010	990×115×1010	990×115×1010
	Weight	Net/Gross	kg	6.0/10.0	6.0/10.0	6.0/10.0	6.0/10.0	6.0/10.0	6.0/10.0	6.0/10.0	6.0/10.0
Room temperature	Setting Temperature Range	Cooling	℃	16~30	16~30	16~30	16~30	16~30	16~30	16~30	16~30
		Heating	℃	16~30	16~30	16~30	16~30	16~30	16~30	16~30	16~30
Compressor	Model		-	KTM240D57UMT	KTM240D57UMT	KTF310D43UMT	KTF310D43UMT	KTF310D43UMT	KTF400D64UMT	KTF400D64UMT	KTQ420D1UMU
	Type		-	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		-	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity		Btu/h	26323	26331	34154	34154	34154	34470	34470	46755
	Input		W	2085	2085	2765	2765	2765	3155	3155	3700
	Rated current(RLA)		A	9.45	9.45	5.38	5.38	5.38	13.20	13.20	7.02
	Refrigerant oil	Model	-	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74
		Amount	ml	670	670	1000	1000	1000	1000	1000	1400
Outdoor fan motor	Model		-	SIC-61FW-F161-1	SIC-61FW-F161-1	SIC-71FW-F8121-1	SIC-81FW-F1138-1	SIC-81FW-F1138-1	SIC-71FW-D8121-1 &SIC-71FW-D8121-2	SIC-71FW-D8121-1 &SIC-71FW-D8121-2	SIC-71FW-D8121-1 &SIC-71FW-D8121-2
	Qty		-	1	1	1	1	1	2	2	2
	Output		W	61	61	121	138	138	121	121	121
	Speed		r/min	880	880	830	810	810	810	810	810
Outdoor coil	Number of rows		-	2	2	2	2	2	2	2	2
	Tube pitch(a) x Row pitch(b)		mm	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65
	Fin spacing		mm	1.4	1.4	1.3	1.6	1.6	1.4	1.4	1.4
	Fin type		-	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside diameter and type		mm	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube
	Coil (Length×Height×Width)		mm	900×630×43.3	900×630×43.3	970×798×43.3	970×1008×43.3	970×1008×43.3	970×1344×43.3	970×1344×43	970×1344×43.3
	Number of circuits		-	6	6	5	6	6	12	12	12

2. SPECIFICATIONS

Indoor model				RCI-3.0UFE1NH	RCI-3.5UFE1NH	RCI-4.0UFE1NH	RCI-5.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-6.0UFE1NH	RCI-6.5UFE1NH
Outdoor model				RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-5.0UFESNH1	RAS-6.0UFESMH1	RAS-6.0UFESNH1	RAS-6.5UFESMH1
Outdoor unit	Dimension	W×H×D	mm	860×670×310	860×670×310	950×840×340	950×1050×340	950×1050×340	950×1386×340	950×1386×340	950×1386×340
	Packing	W×H×D	mm	990×730×450	990×730×450	1110×920×460	1110×1200×460	1110×1200×460	1110×1530×460	1110×1530×460	1110×1530×460
	Weight	Net/Gross	kg	49.0/53.0	49.0/53.0	70.0/75.0	85.0/95.0	85.0/97.0	101.5/114.5	101.5/114.5	109.0/121.0
	Air Volume	Hi	m^3/h	3150	3150	3800	5800	5800	6300	6300	6300
	Sound Level (SPL)	Hi	dB(A)	54	54	58	62	62	62	62	67
	Sound Level (PWL)	Hi	dB(A)	69	70	70	76	76	76	76	80
	Refrigerant	Type	-	R32	R32	R32	R32	R32	R32	R32	R32
		Amount	kg	1.40	1.45	2.00	2.50	2.50	3.00	3.00	3.40
		TCO2Eq	-	0.945	0.979	1.350	1.688	1.688	2.025	2.025	2.295
		GWP	-	675	675	675	675	675	675	675	675
	Throttle type		-	EEV	EEV	EEV	EEV	EEV	EEV	EEV	EEV
	Qty'per 20' /40' /40'HQ		-	90/186/186	90/186/186	52/106/106	26/53/106	26/53/106	26/53/53	26/53/53	26/53/53
	Design	H/L	MPa	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6
Refrigerant piping	Liquid/ Gas		Mm (inch)	Φ9.52/Φ15.88 (3/8'/5/8')	Φ9.52/Φ15.88 (3/8'/5/8')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')
	Pipe length	Max.	m	50	50	50	50	50	50	50	50
	Height difference	Max. (OD lower)	m	30	30	30	30	30	30	30	30
		Max. (OD higher)	m	30	30	30	30	30	30	30	30
	Add Refrigerant Amount		g/m	28	28	28	28	28	28	28	28
	Pipe Length for Additional Refrigerant		m	5	5	5	5	5	5	5	5
Ambient Temperature Range	Cooling		℃	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48
	Heating		℃	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24

NOTE:

1. Test conditions：
   Cooling： Indoor: DB27℃/ WB19℃ Outdoor: DB35℃/ WB24℃
   Heating: Indoor: DB20℃/ WB15℃ Outdoor: DB7℃/ WB 6℃
2. The Sound Pressure Level is based on the following conditions:
   Outdoor unit：
   Measure the noise value of 3 points，which are1 meter in front of the three sides of the unit surface (front/left/right) and 1/2(unit height +1) meter high from floor level, and calculate the weighted average of the noise.
   Indoor unit：
   Cassette:
   Measure the noise value of the point 1.4m below the unit and 1.0m high from the ground.
3. The above data was measured in an anechoic chamber. Please take into consideration the reflected sound of your specific application environment.
4. All specifications are subject to change by the manufacturer without prior notice.
5. Standard Drain Pump for Ducted with Height Lift 700mm.

2. SPECIFICATIONS

2.3 Floor Ceiling Type

Indoor model				RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH
Outdoor model				RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-5.0UFESNH1	RAS-6.0UFESMH1	RAS-6.0UFESNH1	RAS-6.5UFESMH1
Electric parameter	Power supply	Indoor	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power supply	Outdoor	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
	Input	Max.	W	4100	4100	5100	6400	6400	7000	7200	7800
	Input current	Max.	A	18.10	18.00	22.50	11.60	28.20	12.00	30.00	13.10
Seasonal efficiency	Cooling	Pdesignc	kW	6.50	8.60	9.80	12.10	12.70	13.76	14.00	16.30
		SEER	Btu/(Wh)	5.81	6.10	5.87	5.70	5.93	5.33	5.45	5.30
		ηs,c	100%	-	-	-	225%	234%	210%	215%	209%
		Energy Efficiency Class	-	A+	A++	A+	-	-	-	-	-
		Annual energy consumption	kWh/a	391	509	585	803	709	940	899	876
	Heating (Average Season)	Pdesignh	kW	6.00	6.50	7.90	9.50	8.70	12.20	12.00	11.00
		SCOP	Btu/(Wh))	4.01	4.10	3.82	3.78	3.78	3.55	3.68	3.78
		ηs,c	100%	-	-	-	148%	148%	139%	144%	148%
		Energy Efficiency Class	-	A+	A+	A	-	-	-	-	-
		Annual energy consumption	kWh/a	2168	2192	2825	3868	3133	5015	4887	4509
		Tbiv	℃	-7	-7	-7	-7	-7	-7	-7	-7
		Tol	℃	-15	-15	-15	-15	-15	-15	-15	-15
Cooling	Capacity	Rated	kW	6.50	8.60	9.80	12.10	12.70	13.76	14.00	16.30
		Range(Min~Max)	kW	2.45~7.85	3.50~9.00	3.50~11.00	3.30~13.20	3.30~13.20	3.10~16.10	3.10~16.10	3.30~18.00
	Moisture Removal	L/h	L/h	1.95	3.20	4.40	5.30	5.30	6.00	6.00	6.40
	Input	Rated	kW	1.94	2.95	3.75	4.40	4.53	5.00	5.15	6.83
		Range(Min~Max)	kW	0.33~4.10	0.90~4.10	0.90~5.10	0.58~6.40	0.58~6.40	0.85~7.00	0.85~7.00	1.67~7.80
	Current	Rated	A	9.10	12.70	16.90	7.50	19.70	8.50	22.50	12.50
	EER	Rated	W/W	3.35	2.92	2.61	2.75	2.80	2.75	2.72	2.39
Heating	Capacity	Rated	kW	7.35	8.70	10.50	13.50	13.30	16.59	16.50	18.00
		Range(Min~Max)	kW	2.20~8.70	3.00~9.20	3.32~12.00	3.00~14.60	3.00~14.60	3.60~18.00	3.60~18.00	3.00~19.00
	Input	Rated	kW	2.07	2.30	3.65	4.17	4.04	4.85	5.40	6.83
		Range(Min~Max)	kW	0.33~4.10	0.66~4.10	0.60~5.10	0.69~6.40	0.69~6.40	0.79~7.00	0.79~7.00	1.36~7.80
	Current	Rated	A	9.70	10.00	16.50	7.30	17.60	9.00	23.50	11.60
	COP	Rated	W/W	3.55	3.78	2.88	3.24	3.29	3.42	3.06	2.64

2. SPECIFICATIONS

Indoor model				RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH
Outdoor model				RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-5.0UFESNH1	RAS-6.0UFESMH1	RAS-6.0UFESNH1	RAS-6.5UFESMH1
Indoor fan motor	Model		-	SIC-70CW-F1100-6	SIC-70CW-F1140-3	SIC-70CW-F1140-3	SIC-101CW-F1181-2	SIC-101CW-F1181-2	SIC-101CW-F1181-1	SIC-101CW-F1181-1	SIC-101CW-F1181-1
	Qty		-	1	1	1	1	1	1	1	1
	Output		W	100	140	140	181	181	181	181	181
	Speed(Hi/Med/Lo)		r/min	1150/1030/910	1150/930/800	1220/1160/1080	1200/1100/1000	1200/1100/1000	1250/1000/800	1250/1000/800	1250/1100/950
Indoor coil	Number of rows		-	3	3	3	3	3	3	3	3
	Tube pitch(a) × Row pitch(b)		mm	21×13.6	21×13.6	21×13.6	21×13.6	21×13.6	21×13.6	21×13.6	21×13.6
	Fin spacing		mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Fin type		-	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside diameter and type		mm	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube	Φ7, Innergroove tube
	Coil (Length× Height ×Width)		mm	660×336×40.8	930×336×40.8	930×336×40.8	1200×336×40.8	1200×336×40.8	1200×336×40.8	1200×336×40.8	1200×336×54.4
	Number of circuits		-	6	4	4	7	7	7	7	7
Indoor unit	Dimension	W× H×D	mm	990×680×230	1285×680×230	1285×680×230	1580×680×230	1580×680×230	1580×680×230	1580×680×230	1580×680×230
	Packing	W× H×D	mm	1100×820×350	1400×820×350	1400×820×350	1690×820×350	1690×820×350	1690×820×350	1690×820×350	1690×820×350
	Weight	Net/Gross	kg	30.0/35.0	37.0/44.0	37.0/44.0	48.0/56.0	48.0/56.0	48.0/56.0	48.0/56.0	48.0/56.0
	Air Volume	Hi/Med/Lo	m^3/h	1100/950/800	1450/1120/900	1700/1500/1300	2000/1800/1600	2000/1800/1600	2000/1600/1200	2000/1600/1200	2000/1700/1500
		Hi/Med/Lo	CFM	647/559/471	853/659/529	1000/882/765	1176/1059/941	1176/1059/941	1176/941/706	1176/941/706	1176/941/706
	Sound Level (SPL)	Hi/Med/Lo	dB(A)	51/48/44	54/48/43	54/52/51	54/51/48	54/51/48	58/52/46	58/52/46	56/53/48
	Sound Level (PWL)	Hi	dB(A)	65	65	65	68	68	75	75	74
	External Static Pressure	Rated	Pa	-	-	-	-	-	-	-	-
		Range	Pa	-	-	-	-	-	-	-	-
	Controller	Type	-	Wireless	Wireless	Wireless	Wireless	Wireless	Wireless	Wireless	Wireless
		Model	-	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH	HCRA31NEWH
	Drainage water pipe diameter		mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25	ODΦ25	ODΦ25	ODΦ25	ODΦ25
	Drain pump		-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Air filter		-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	Qty'per 20' /40' /40'HQ		-	84/168/196	66/132/153	66/132/153	42/84/98	42/84/98	42/84/98	42/84/98	42/84/98
	Design	H/L	MPa	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6
Room temperature	Setting Temperature Range	Cooling	℃	16~30	16~30	16~30	16~30	16~30	16~30	16~30	16~30
		Heating	℃	16~30	16~30	16~30	16~30	16~30	16~30	16~30	16~30

2. SPECIFICATIONS

Indoor model				RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH
Outdoor model				**RAS-3.0UFESNH1**	**RAS-3.5UFESNH1**	**RAS-4.0UFESNH1**	**RAS-5.0UFESMH1**	**RAS-5.0UFESNH1**	**RAS-6.0UFESMH1**	**RAS-6.0UFESNH1**	**RAS-6.5UFESMH1**
Compressor	Model		-	KTM240D57UMT	KTM240D57UMT	KTF310D43UMT	KTF310D43UMT	KTF310D43UMT	KTF400D64UMT	KTF400D64UMT	KTQ420D1UMU
	Type		-	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		-	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity		Btu/h	24361	26331	34154	34154	34154	34470	34470	46755
	Input		W	1940	2085	2765	2765	2765	3155	3155	3700
	Rated current(RLA)		A	9.45	9.45	5.38	5.38	5.38	13.20	13.20	7.02
	Refrigerant oil	Model	-	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74	POE VG74
		Amount	ml	670	670	1000	1000	1000	1000	1000	1400
Outdoor fan motor	Model		-	SIC-61FW-F161-1	SIC-61FW-F161-1	SIC-71FW-F8121-1	SIC-81FW-F1138-1	SIC-81FW-F1138-1	SIC-71FW-D8121-1 &SIC-71FW-D8121-2	SIC-71FW-D8121-1 &SIC-71FW-D8121-2	SIC-71FW-D8121-1 &SIC-71FW-D8121-2
	Qty		-	1	1	1	1	1	2	2	2
	Output		W	61	61	121	138	138	121	121	121
	Speed		r/min	880	880	830	810	810	810	810	810
Outdoor coil	Number of rows		-	2	2	2	2	2	2	2	2
	Tube pitch(a) x Row pitch(b)		mm	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65	21×21.65
	Fin spacing		mm	1.4	1.4	1.3	1.6	1.6	1.4	1.4	1.4
	Fin type		-	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside diameter and type		mm	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube	Φ7.94, Innergroove tube
	Coil (Length x Height x Width)		mm	900×630×43.3	900×630×43.3	970×798×43.3	970×1008×43.3	970×1008×43.3	970×1344×43.3	970×1344×43.3	970×1344×43.3
	Number of circuits		-	6	6	5	6	6	12	12	12
Outdoor unit	Dimension	W×H×D	mm	860×670×310	860×670×310	950×840×340	950×1050×340	950×1050×340	950×1386×340	950×1386×340	950×1386×340
	Packing	W×H×D	mm	990×730×450	990×730×450	1110×920×460	1110×1200×460	1110×1200×460	1110×1530×460	1110×1530×460	1110×1530×460
	Weight	Net/Gross	kg	49.0/53.0	49.0/53.0	70.0/75.0	85.0/95.0	85.0/97.0	101.5/114.5	101.5/114.5	109.0/121.0
	Air Volume	Hi	m^3/h	3150	3150	3800	5800	5800	6300	6300	6300
	Sound Level	Hi	dB(A)	54	54	58	62	62	62	62	67
	Sound Level	Hi	dB(A)	69	70	70	76	76	76	76	80
	Refrigerant	Type	-	R32	R32	R32	R32	R32	R32	R32	R32
		Amount	kg	1.40	1.45	2.00	2.50	2.50	3.00	3.00	3.40

2. SPECIFICATIONS

Indoor model				RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH
Outdoor model				**RAS-3.0UFESNH1**	**RAS-3.5UFESNH1**	**RAS-4.0UFESNH1**	**RAS-5.0UFESMH1**	**RAS-5.0UFESNH1**	**RAS-6.0UFESMH1**	**RAS-6.0UFESNH1**	**RAS-6.5UFESMH1**
Outdoor unit	Refrigerant	TCO2Eq	-	0.95	0.98	1.35	1.688	1.688	2.03	2.03	2.30
		GWP	-	675	675	675	675	675	675	675	675
	Throttle type		-	EEV	EEV	EEV	EEV	EEV	EEV	EEV	EEV
	Qty'per 20' /40' /40'HQ		-	90/186/186	90/186/186	52/106/106	26/53/106	26/53/106	26/53/53	26/53/53	26/53/53
	Design	H/L	MPa	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6	4.3/1.6
Refrigerant piping	Liquid/ Gas		Mm (inch)	Φ9.52/Φ15.88 (3/8'/5/8')	Φ9.52/Φ15.88 (3/8'/5/8')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')	Φ9.52/Φ19.05 (3/8'/3/4')
	Pipe length	Max.	m	50	50	50	50	50	50	50	50
	Height difference	Max. (OD lower)	m	30	30	30	30	30	30	30	30
		Max. (OD higher)	m	30	30	30	30	30	30	30	30
	Add Refrigerant Amount		g/m	28	28	28	28	28	28	28	28
	Pipe Length for Additional		m	5	5	5	5	5	5	5	5
Ambient Temperature Range	Cooling		℃	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48
	Heating		℃	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24

NOTE:

1. Test conditions：
   Cooling： Indoor: DB27℃/ WB19℃ Outdoor: DB35℃/ WB24℃
   Heating: Indoor: DB20℃/ WB15℃ Outdoor: DB7℃/ WB 6℃
2. The Sound Pressure Level is based on the following conditions:
   Outdoor unit：
   Measure the noise value of 3 points，which are1 meter in front of the three sides of the unit surface (front/left/right) and 1/2(unit height +1) meter high from floor level, and calculate the weighted average of the noise.
   Indoor unit：
   Floor ceiling:
   Test the noise value of the point 1.0m below the unit,1.0m ahead of the unit and 1.0m high from the ground.
3. The above data was measured in an anechoic chamber. Please take into consideration the reflected sound of your specific application environment.
4. All specifications are subject to change by the manufacturer without prior notice.

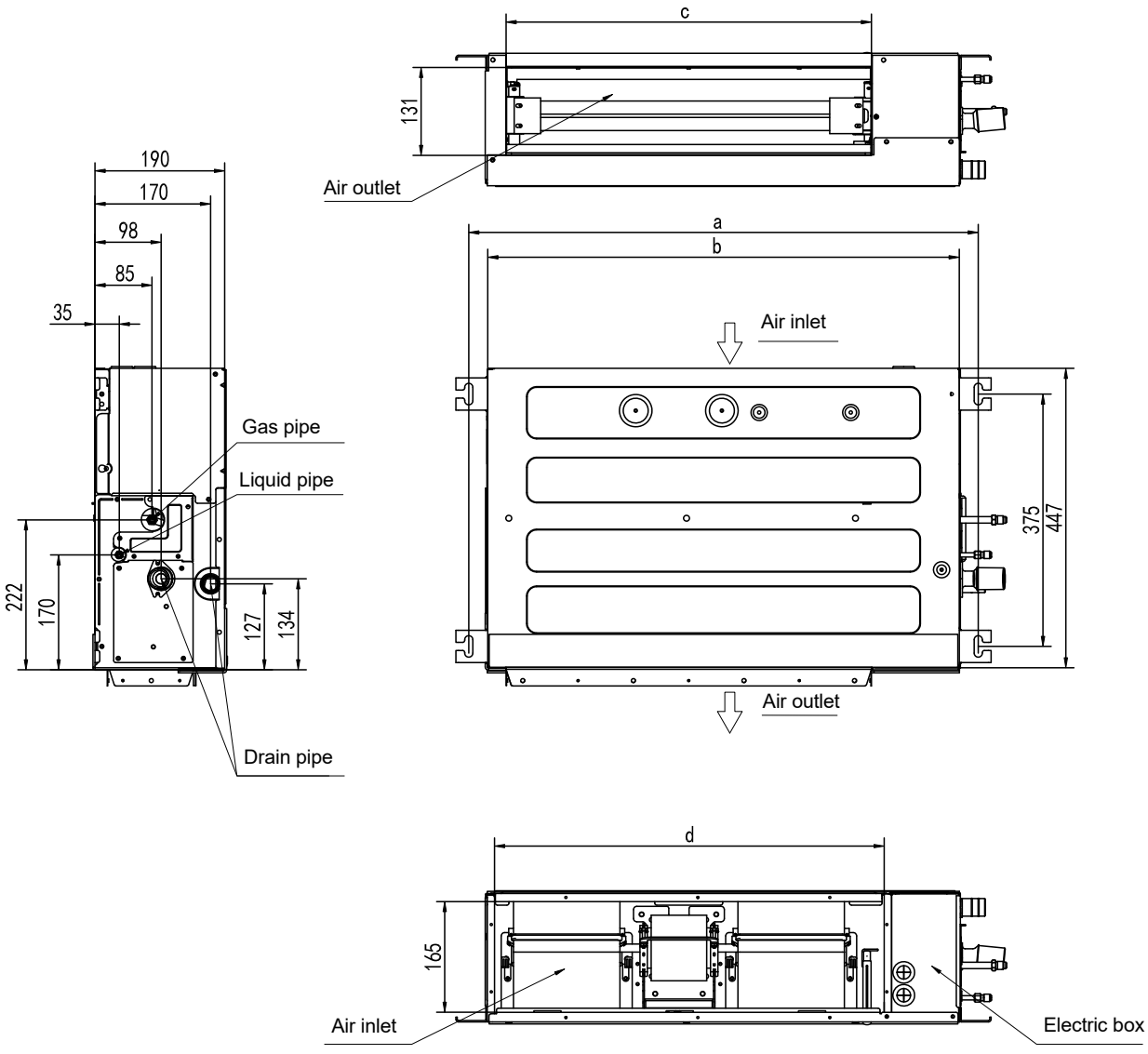
3. OUTLINES AND DIMENSIONS

3.1 Indoor Units

Ducted

3.0HP

Unit: mm

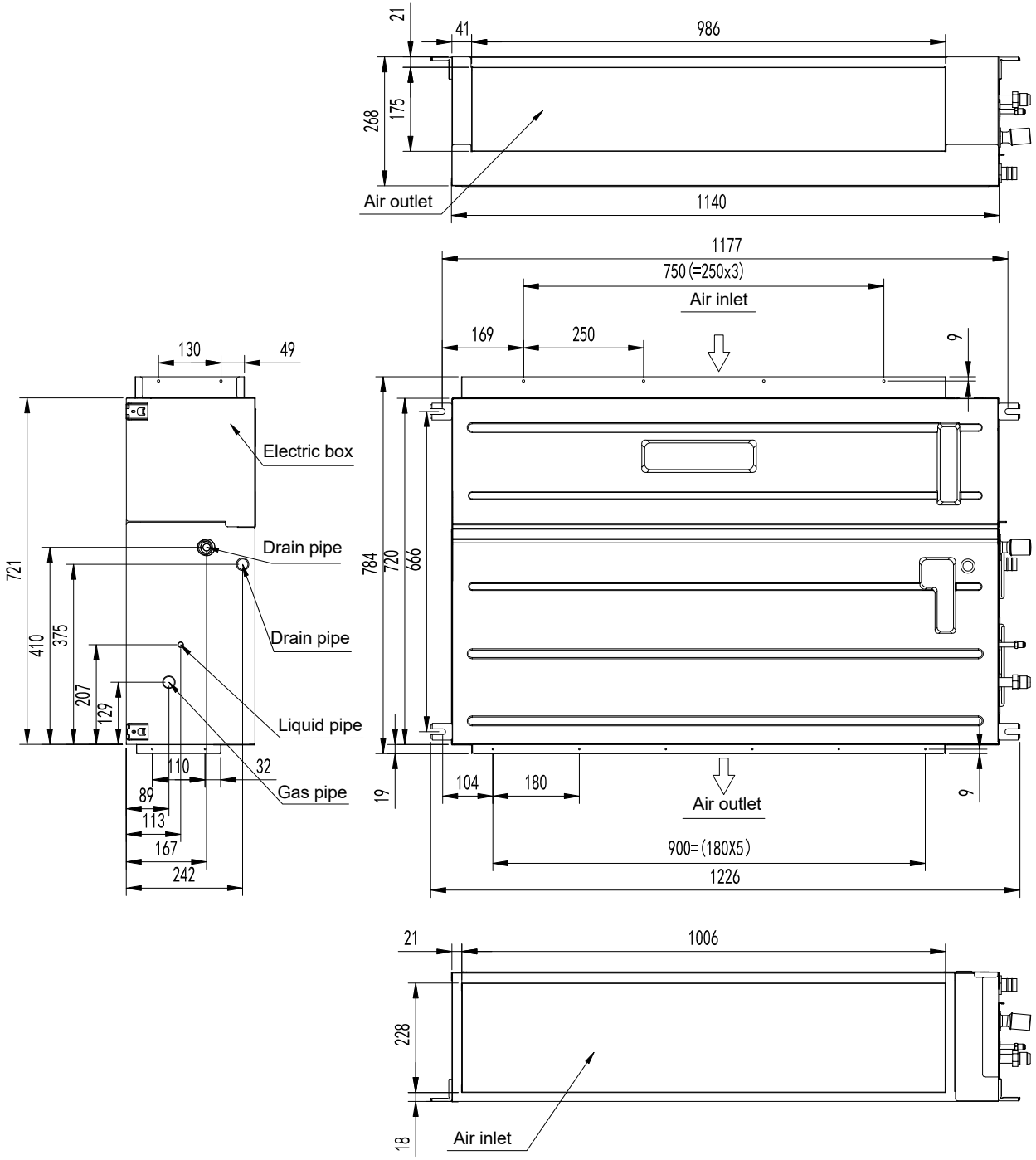


Model	a	b	c	d
3.0HP	1231	1180	1019	1056

3. OUTLINES AND DIMENSIONS

3.5/4.0HP

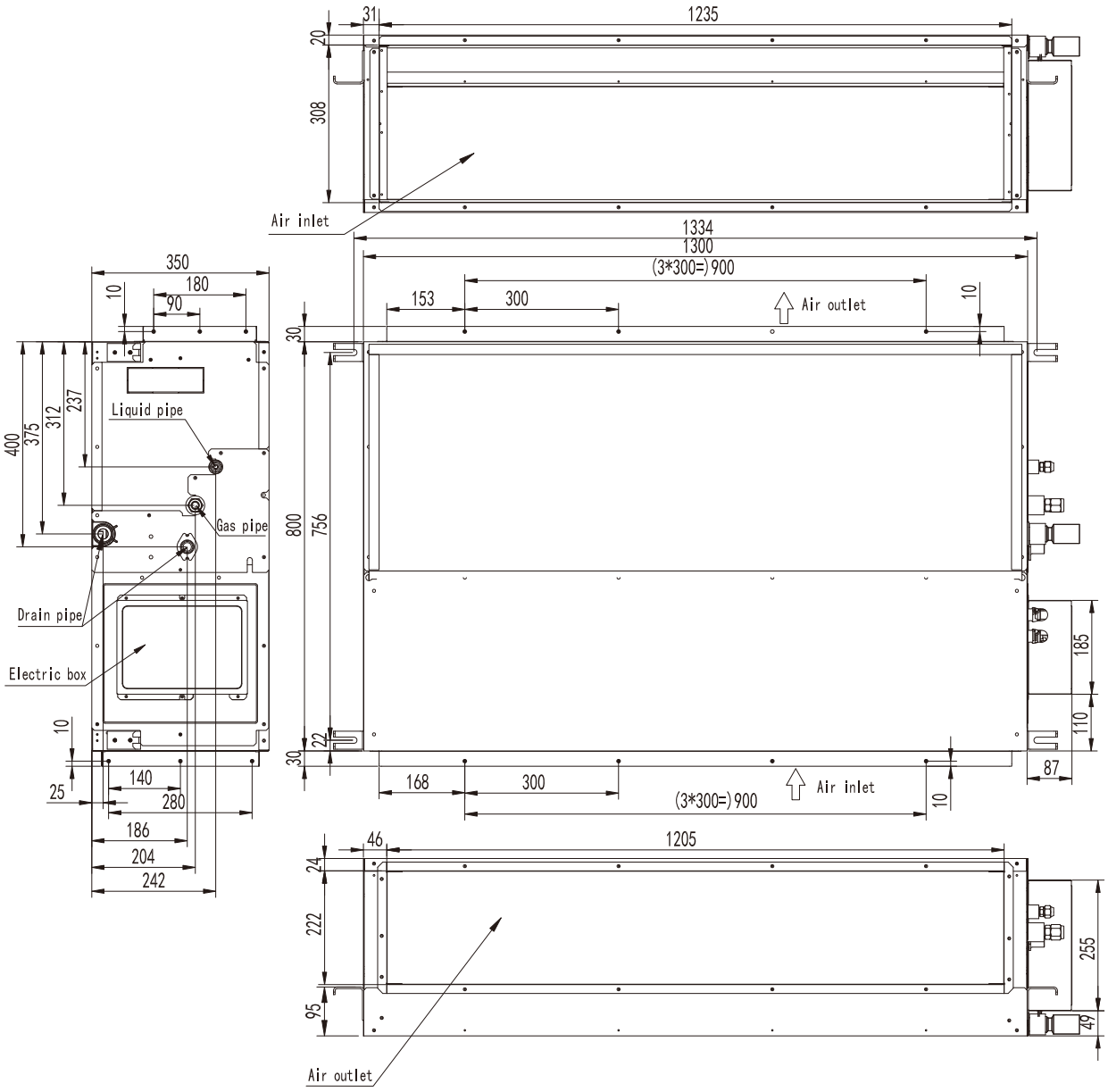
Unit: mm



3. OUTLINES AND DIMENSIONS

5.0/6.0/6.5HP

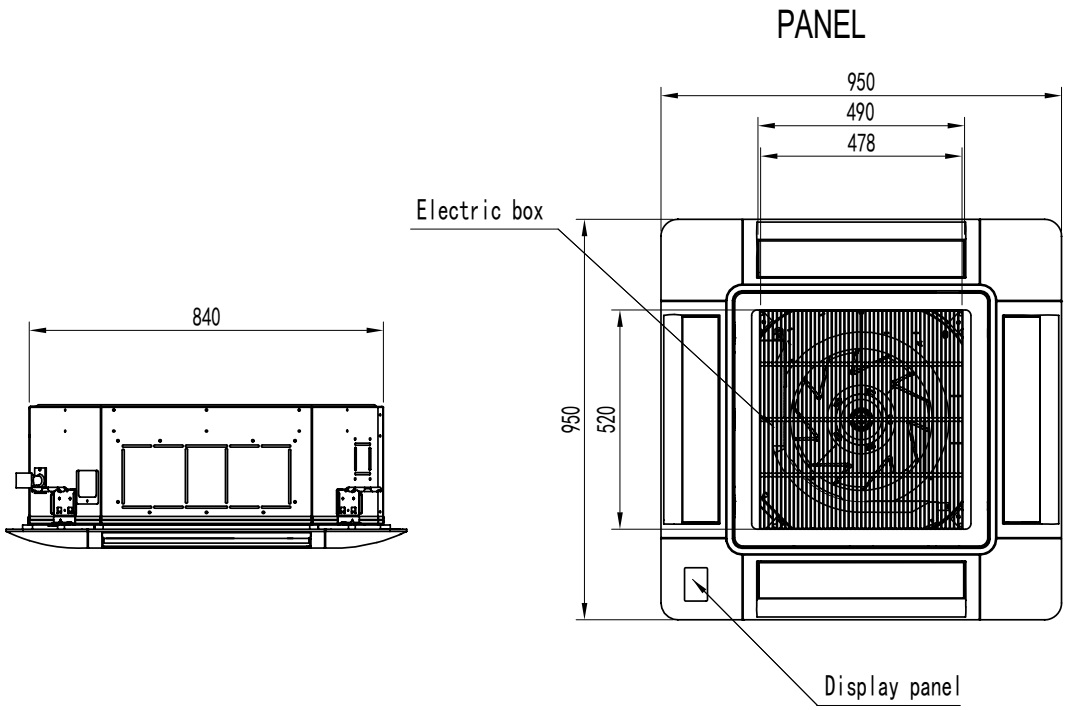
Unit: mm

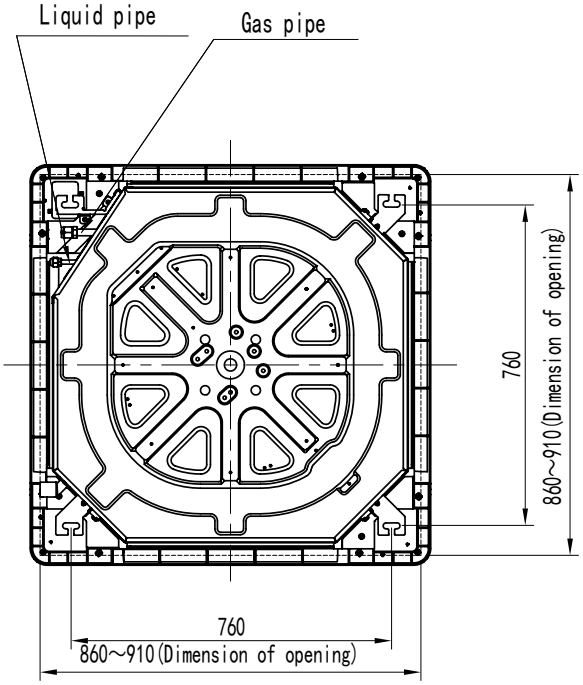


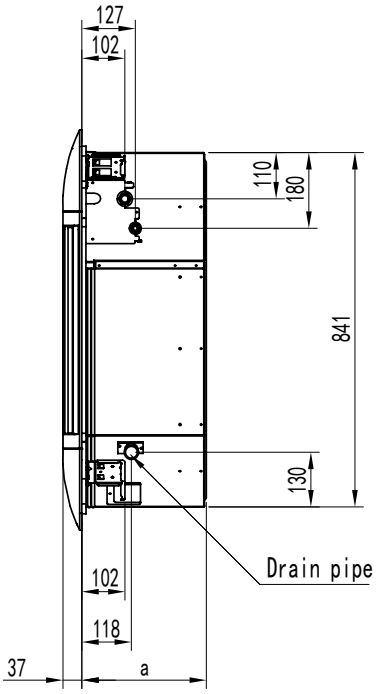
3. OUTLINES AND DIMENSIONS

Cassette

Unit: mm





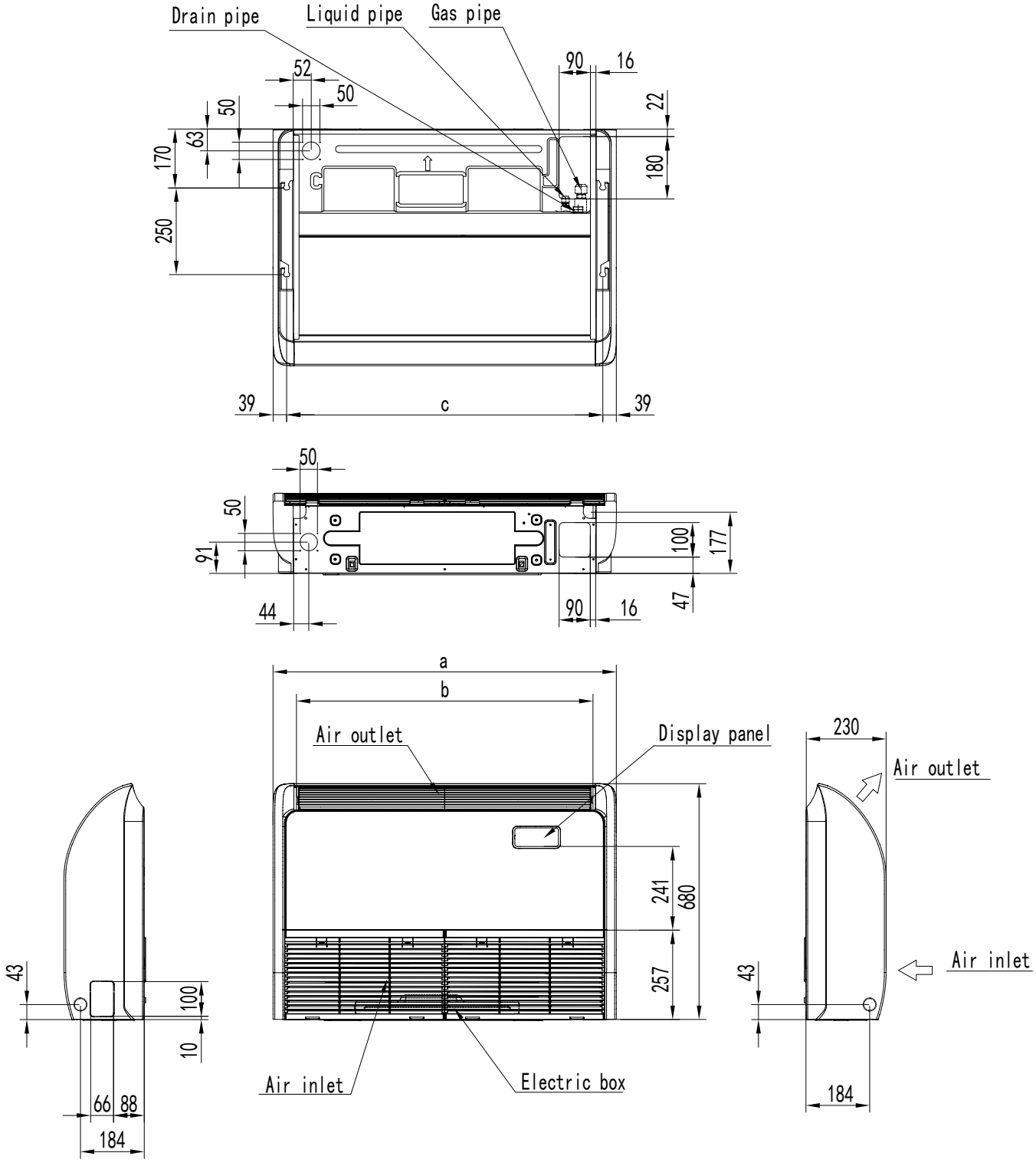


Model	a
3.0/3.5/4.0HP	248
5.0/6.0/6.5HP	298

3. OUTLINES AND DIMENSIONS

Floor ceiling

Unit: mm



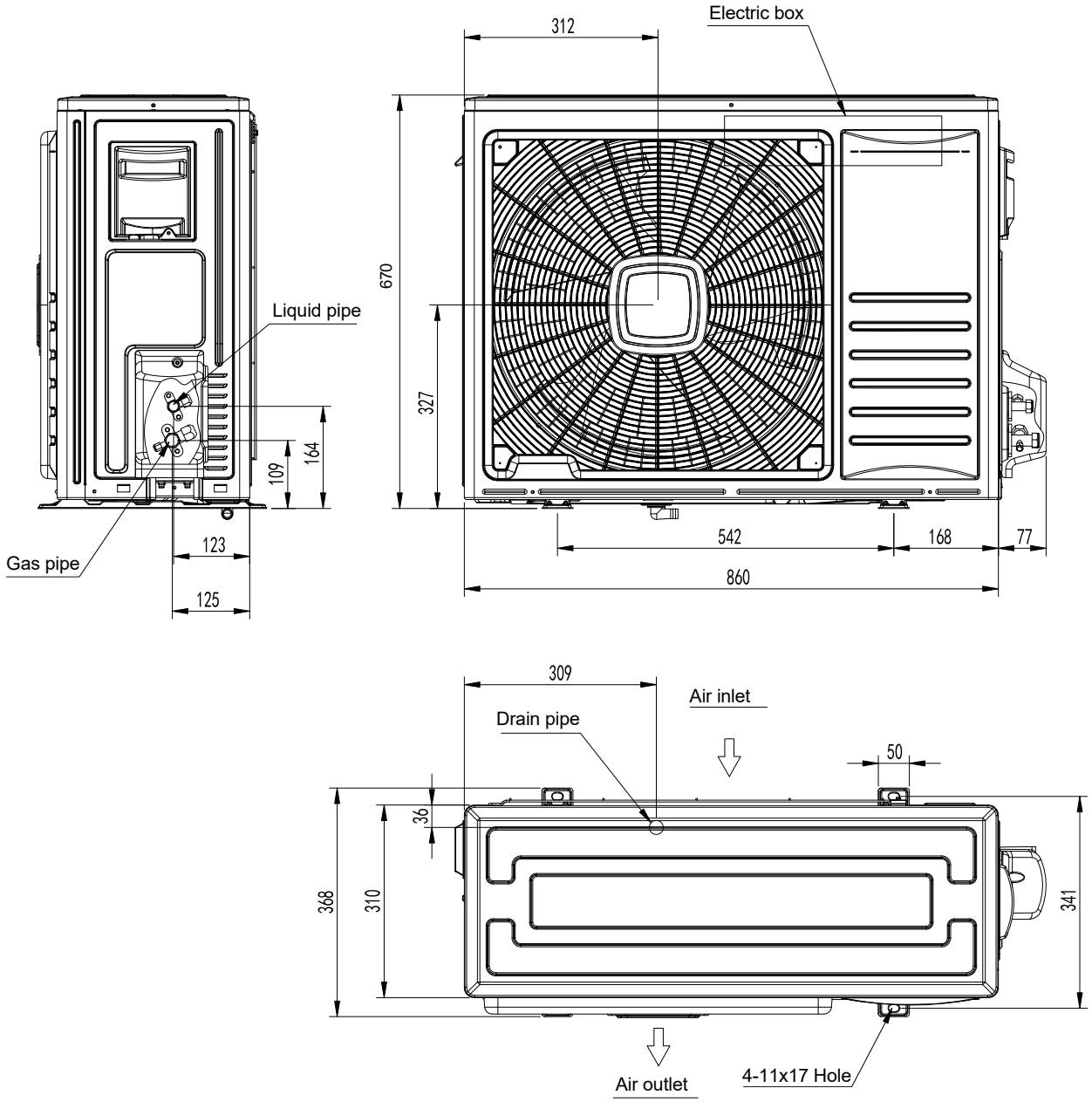
Model	a	b	c
3.0HP	990	855	912
3.5/4.0HP	1285	1150	1207
5.0/6.0/6.5HP	1580	1445	1502

3. OUTLINES AND DIMENSIONS

3.2 Outdoor Units

3.0/3.5HP

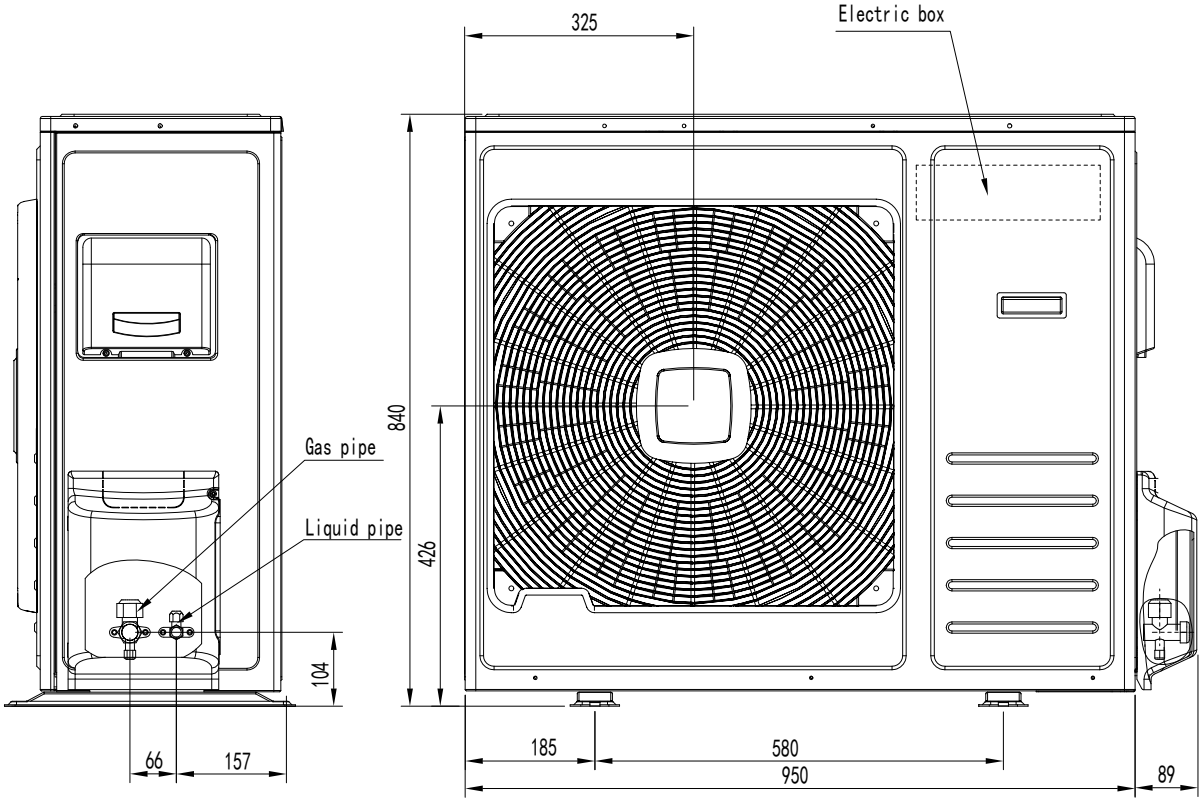
Unit: mm

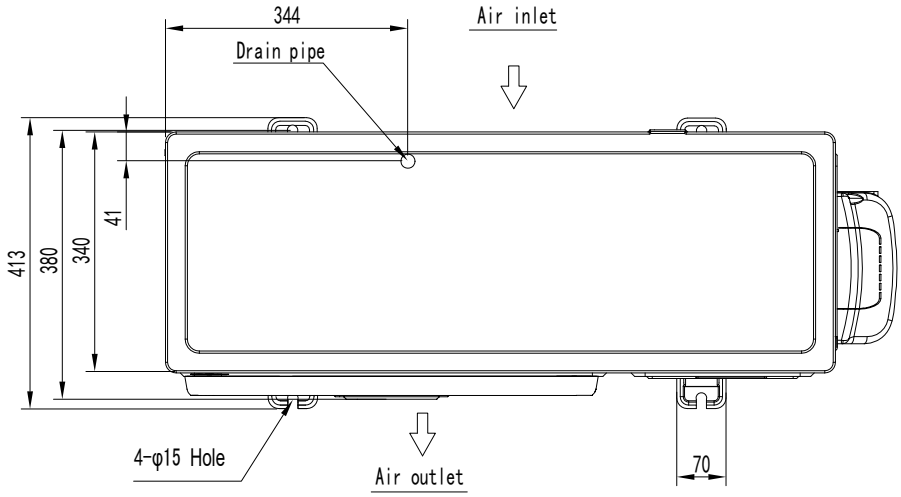


3. OUTLINES AND DIMENSIONS

4.0HP

Unit: mm

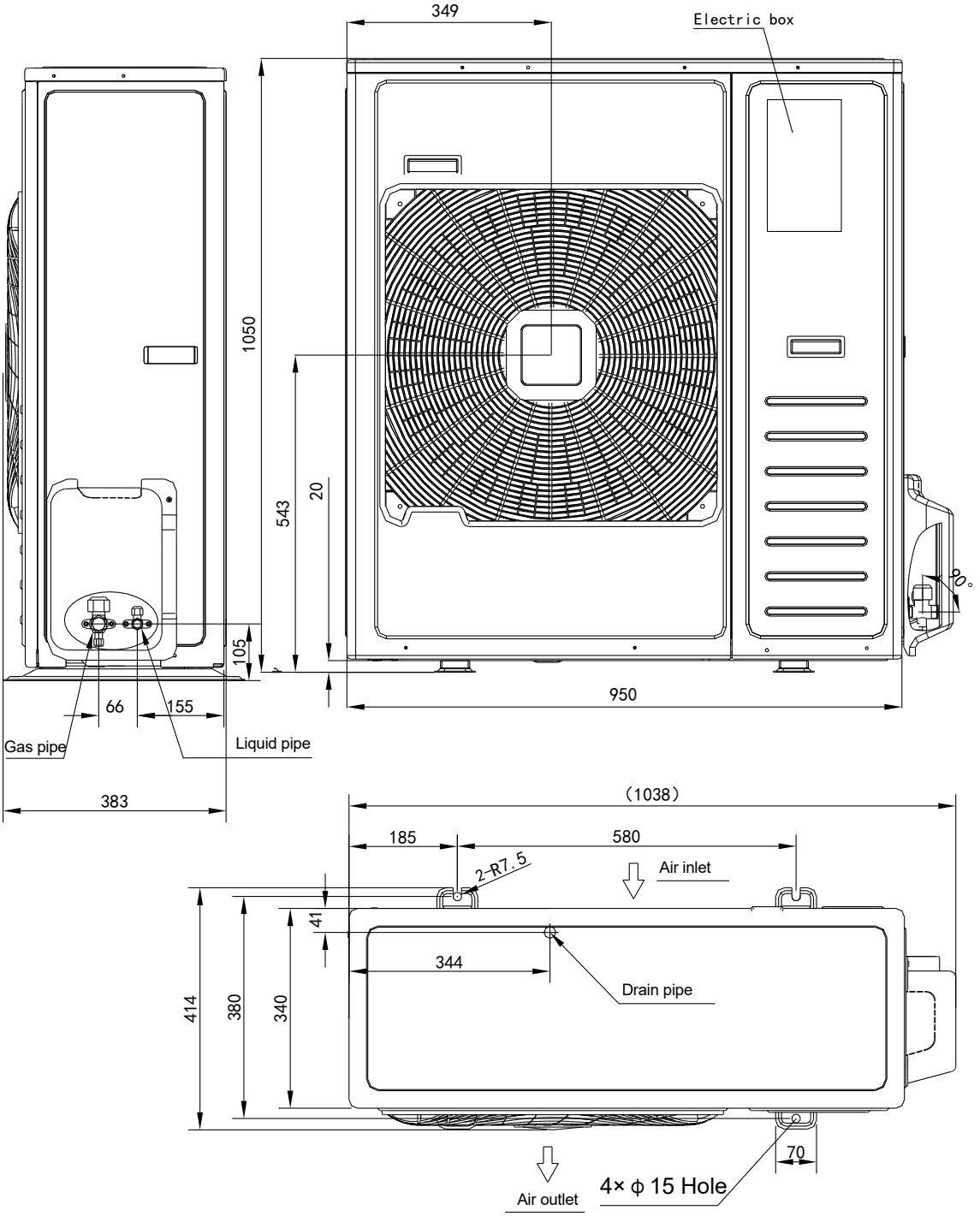




3. OUTLINES AND DIMENSIONS

5.0HP

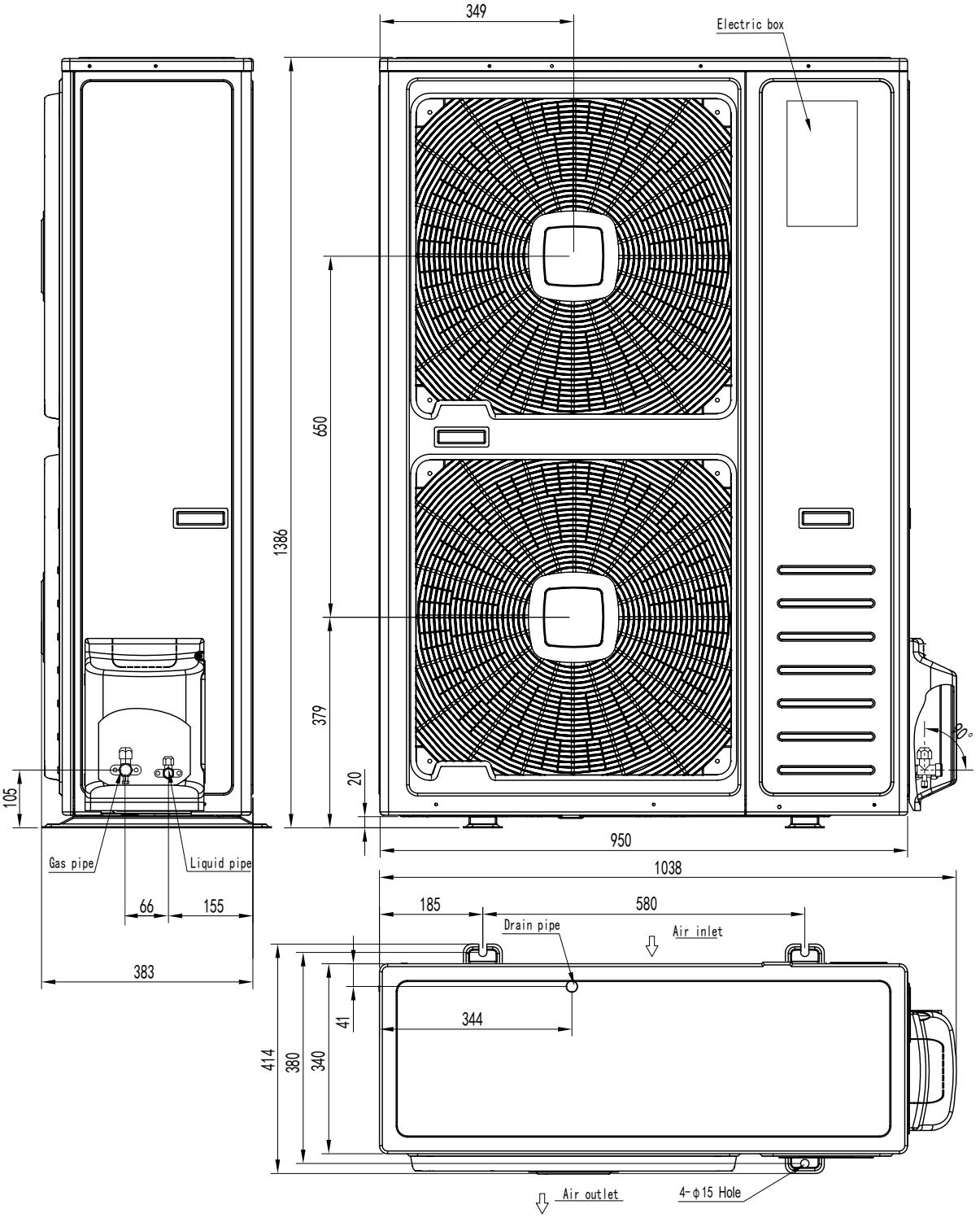
Unit: mm



3. OUTLINES AND DIMENSIONS

6.0/6.5HP

Unit: mm



4. ELECTRICAL DATA

Electrical data

Outdoor unit	Power supply			Applicable voltage		ELB	
	Voltage (V)	PH	Frequency (Hz)	Umin (V)	Umax (V)	Nominal current (A)	Nominal sensitive current (mA)
RAS-3.0UFESNH1	220-240	1	50	176	264	25	30
RAS-3.5UFESNH1	220-240	1	50	176	264	25	30
RAS-4.0UFESNH1	220-240	1	50	176	264	40	30
RAS-5.0UFESNH1	220-240	1	50	176	264	50	30
RAS-6.0UFESNH1	220-240	1	50	176	264	50	30
RAS-5.0UFESMH1	380-415	3	50	342	438	32	30
RAS-6.0UFESMH1	380-415	3	50	342	438	32	30
RAS-6.5UFESMH1	380-415	3	50	342	438	32	30

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 is started by an inverter, resulting in extremely low starting current.

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 : 5m /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.

5. CAPACITIES AND SELECTION DATA

Ducted

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIL-3.0UFE1NH+RAS-3.0UFESNH1

CAPACITY: 6.90 kW SHF: 0.70 INPUT: 2160 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	4.79	2.49	0.52	585	4.79	2.49	0.52	650	4.79	2.49	0.52	714	5.33	2.77	0.52	758	5.33	2.77	0.52	844	8.10	4.21	0.52	1747	7.75	4.03	0.52	1837	7.45	3.88	0.52	1921	7.17	3.73	0.52	2009
21	20	5.04	2.02	0.40	625	5.04	2.02	0.40	690	5.04	2.02	0.40	754	5.60	2.24	0.40	798	5.60	2.24	0.40	884	8.51	3.41	0.40	1779	8.15	3.26	0.40	1871	7.83	3.13	0.40	1957	7.53	3.01	0.40	2047
22	18	4.79	2.68	0.56	585	4.79	2.68	0.56	650	4.79	2.68	0.56	714	5.33	2.98	0.56	758	5.33	2.98	0.56	844	8.10	4.54	0.56	1747	7.75	4.34	0.56	1837	7.45	4.17	0.56	1921	7.17	4.01	0.56	2009
22	20	5.04	2.22	0.44	625	5.04	2.22	0.44	690	5.04	2.22	0.44	754	5.60	2.46	0.44	798	5.60	2.46	0.44	884	8.51	3.75	0.44	1779	8.15	3.59	0.44	1871	7.83	3.45	0.44	1957	7.53	3.31	0.44	2047
22	22	5.34	1.71	0.32	664	5.34	1.71	0.32	729	5.34	1.71	0.32	793	5.93	1.90	0.32	837	5.93	1.90	0.32	923	9.03	2.89	0.32	1811	8.64	2.76	0.32	1904	8.30	2.66	0.32	1992	7.99	2.56	0.32	2084
23	18	4.79	2.88	0.60	585	4.79	2.88	0.60	650	4.79	2.88	0.60	714	5.33	3.20	0.60	758	5.33	3.20	0.60	844	8.10	4.86	0.60	1747	7.75	4.65	0.60	1837	7.45	4.47	0.60	1921	7.17	4.30	0.60	2009
23	20	5.04	2.42	0.48	625	5.04	2.42	0.48	690	5.04	2.42	0.48	754	5.60	2.69	0.48	798	5.60	2.69	0.48	884	8.51	4.09	0.48	1779	8.15	3.91	0.48	1871	7.83	3.76	0.48	1957	7.53	3.62	0.48	2047
23	22	5.34	1.92	0.36	664	5.34	1.92	0.36	729	5.34	1.92	0.36	793	5.93	2.14	0.36	837	5.93	2.14	0.36	923	9.03	3.25	0.36	1811	8.64	3.11	0.36	1904	8.30	2.99	0.36	1992	7.99	2.87	0.36	2084
24	18	4.79	3.07	0.64	585	4.79	3.07	0.64	650	4.79	3.07	0.64	714	5.33	3.41	0.64	758	5.33	3.41	0.64	844	8.10	5.18	0.64	1747	7.75	4.96	0.64	1837	7.45	4.77	0.64	1921	7.17	4.59	0.64	2009
24	20	5.04	2.62	0.52	625	5.04	2.62	0.52	690	5.04	2.62	0.52	754	5.60	2.91	0.52	798	5.60	2.91	0.52	884	8.51	4.43	0.52	1779	8.15	4.24	0.52	1871	7.83	4.07	0.52	1957	7.53	3.92	0.52	2047
24	22	5.34	2.14	0.40	664	5.34	2.14	0.40	729	5.34	2.14	0.40	793	5.93	2.37	0.40	837	5.93	2.37	0.40	923	9.03	3.61	0.40	1811	8.64	3.45	0.40	1904	8.30	3.32	0.40	1992	7.99	3.19	0.40	2084
24	24	5.66	1.59	0.28	704	5.66	1.59	0.28	769	5.66	1.59	0.28	833	6.29	1.76	0.28	877	6.29	1.76	0.28	963	9.57	2.68	0.28	1844	9.16	2.56	0.28	1939	8.80	2.46	0.28	2028	8.46	2.37	0.28	2121
25	18	4.79	3.26	0.68	585	4.79	3.26	0.68	650	4.79	3.26	0.68	714	5.33	3.62	0.68	758	5.33	3.62	0.68	844	8.10	5.51	0.68	1747	7.75	5.27	0.68	1837	7.45	5.07	0.68	1921	7.17	4.87	0.68	2009
25	20	5.04	2.82	0.56	625	5.04	2.82	0.56	690	5.04	2.82	0.56	754	5.60	3.13	0.56	798	5.60	3.13	0.56	884	8.51	4.77	0.56	1779	8.15	4.56	0.56	1871	7.83	4.39	0.56	1957	7.53	4.22	0.56	2047
25	22	5.34	2.35	0.44	664	5.34	2.35	0.44	729	5.34	2.35	0.44	793	5.93	2.61	0.44	837	5.93	2.61	0.44	923	9.03	3.97	0.44	1811	8.64	3.80	0.44	1904	8.30	3.65	0.44	1992	7.99	3.51	0.44	2084
25	24	5.66	1.81	0.32	704	5.66	1.81	0.32	769	5.66	1.81	0.32	833	6.29	2.01	0.32	877	6.29	2.01	0.32	963	9.57	3.06	0.32	1844	9.16	2.93	0.32	1939	8.80	2.82	0.32	2028	8.46	2.71	0.32	2121
26	18	4.79	3.45	0.72	585	4.79	3.45	0.72	650	4.79	3.45	0.72	714	5.33	3.83	0.72	758	5.33	3.83	0.72	844	8.10	5.83	0.72	1747	7.75	5.58	0.72	1837	7.45	5.37	0.72	1921	7.17	5.16	0.72	2009
26	20	5.04	3.02	0.60	625	5.04	3.02	0.60	690	5.04	3.02	0.60	754	5.60	3.36	0.60	798	5.60	3.36	0.60	884	8.51	5.11	0.60	1779	8.15	4.89	0.60	1871	7.83	4.70	0.60	1957	7.53	4.52	0.60	2047
26	22	5.34	2.56	0.48	664	5.34	2.56	0.48	729	5.34	2.56	0.48	793	5.93	2.85	0.48	837	5.93	2.85	0.48	923	9.03	4.33	0.48	1811	8.64	4.15	0.48	1904	8.30	3.99	0.48	1992	7.99	3.83	0.48	2084
26	24	5.66	2.04	0.36	704	5.66	2.04	0.36	769	5.66	2.04	0.36	833	6.29	2.26	0.36	877	6.29	2.26	0.36	963	9.57	3.44	0.36	1844	9.16	3.30	0.36	1939	8.80	3.17	0.36	2028	8.46	3.05	0.36	2121
26	26	5.94	1.43	0.24	744	5.94	1.43	0.24	809	5.94	1.43	0.24	873	6.60	1.58	0.24	917	6.60	1.58	0.24	1003	10.05	2.41	0.24	1876	9.61	2.31	0.24	1973	9.24	2.22	0.24	2064	8.89	2.13	0.24	2159
27	18	4.79	3.64	0.76	585	4.79	3.64	0.76	650	4.79	3.64	0.76	714	5.33	4.05	0.76	758	5.33	4.05	0.76	844	8.10	6.16	0.76	1747	7.75	5.89	0.76	1837	7.45	5.67	0.76	1921	7.17	5.45	0.76	2009
27	19	4.89	3.42	0.70	605	4.89	3.42	0.70	670	4.89	3.42	0.70	734	5.43	3.80	0.70	778	5.43	3.80	0.70	864	8.27	5.79	0.70	1763	7.91	5.54	0.70	1854	7.61	5.32	0.70	1939	7.31	5.12	0.70	2028
27	20	5.04	3.22	0.64	625	5.04	3.22	0.64	690	5.04	3.22	0.64	754	5.60	3.58	0.64	798	5.60	3.58	0.64	884	8.51	5.45	0.64	1779	8.15	5.21	0.64	1871	7.83	5.01	0.64	1957	7.53	4.82	0.64	2047
27	22	5.34	2.78	0.52	664	5.34	2.78	0.52	729	5.34	2.78	0.52	793	5.93	3.08	0.52	837	5.93	3.08	0.52	923	9.03	4.69	0.52	1811	8.64	4.49	0.52	1904	8.30	4.32	0.52	1992	7.99	4.15	0.52	2084
27	24	5.66	2.26	0.40	704	5.66	2.26	0.40	769	5.66	2.26	0.40	833	6.29	2.52	0.40	877	6.29	2.52	0.40	963	9.57	3.83	0.40	1844	9.16	3.66	0.40	1939	8.80	3.52	0.40	2028	8.46	3.39	0.40	2121
27	26	5.94	1.66	0.28	744	5.94	1.66	0.28	809	5.94	1.66	0.28	873	6.60	1.85	0.28	917	6.60	1.85	0.28	1003	10.05	2.81	0.28	1876	9.61	2.69	0.28	1973	9.24	2.59	0.28	2064	8.89	2.49	0.28	2159
28	18	4.79	3.84	0.80	585	4.79	3.84	0.80	650	4.79	3.84	0.80	714	5.33	4.26	0.80	758	5.33	4.26	0.80	844	8.10	6.48	0.80	1747	7.75	6.20	0.80	1837	7.45	5.96	0.80	1921	7.17	5.73	0.80	2009
28	20	5.04	3.43	0.68	625	5.04	3.43	0.68	690	5.04	3.43	0.68	754	5.60	3.81	0.68	798	5.60	3.81	0.68	884	8.51	5.79	0.68	1779	8.15	5.54	0.68	1871	7.83	5.33	0.68	1957	7.53	5.12	0.68	2047
28	22	5.34	2.99	0.56	664	5.34	2.99	0.56	729	5.34	2.99	0.56	793	5.93	3.32	0.56	837	5.93	3.32	0.56	923	9.03	5.05	0.56	1811	8.64	4.84	0.56	1904	8.30	4.65	0.56	1992	7.99	4.47	0.56	2084

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
21	18	6.76	3.52	0.52	2140	6.21	3.23	0.52	2273	5.74	2.99	0.52	2359																						
21	20	7.11	2.84	0.40	2180	6.52	2.61	0.40	2315	6.03	2.41	0.40	2403																						
22	18	6.76	3.79	0.56	2140	6.21	3.48	0.56	2273	5.74	3.22	0.56	2359																						
22	20	7.11	3.13	0.44	2180	6.52	2.87	0.44	2315	6.03	2.66	0.44	2403																						
22	22	7.53	2.41	0.32	2219	6.92	2.21	0.32	2357	6.40	2.05	0.32	2446																						
23	18	6.76	4.06	0.60	2140	6.21	3.72	0.60	2273	5.74	3.45	0.60	2359																						
23	20	7.11	3.41	0.48	2180	6.52	3.13	0.48	2315	6.03	2.90	0.48	2403																						
23	22	7.53	2.71	0.36	2219	6.92	2.49	0.36	2357	6.40	2.30	0.36	2446																						
24	18	6.76	4.33	0.64	2140	6.21	3.97	0.64	2273	5.74	3.67	0.64	2359																						
24	20	7.11	3.70	0.52	2180	6.52	3.39	0.52	2315	6.03	3.14	0.52	2403																						
24	22	7.53	3.01	0.40	2219	6.92	2.77	0.40	2357	6.40	2.56	0.40	2446																						
24	24	7.99	2.24	0.28	2259	7.33	2.05	0.28	2399	6.78	1.90	0.28	2490																						
25	18	6.76	4.60	0.68	2140	6.21	4.22	0.68	2273	5.74	3.90	0.68	2359																						
25	20	7.11	3.98	0.56	2180	6.52	3.65	0.56	2315	6.03	3.38	0.56	2403																						
25	22	7.53	3.31	0.44	2219	6.92	3.04	0.44	2357	6.40	2.81	0.44	2446																						
25	24	7.99	2.56	0.32	2259	7.33	2.35	0.32	2399	6.78	2.17	0.32	2490																						
26	18	6.76	4.87	0.72	2140	6.21	4.47	0.72	2273	5.74	4.13	0.72	2359																						
26	20	7.11	4.26	0.60	2180	6.52	3.91	0.60	2315	6.03	3.62	0.60	2403																						
26	22	7.53	3.62	0.48	2219	6.92	3.32	0.48	2357	6.40	3.07	0.48	2446																						
26	24	7.99	2.87	0.36	2259	7.33	2.64	0.36	2399	6.78	2.44	0.36	2490																						
26	26	8.38	2.01	0.24	2299	7.70	1.85	0.24	2442	7.12	1.71	0.24	2534																						
27	18	6.76	5.14	0.76	2140	6.21	4.72	0.76	2273	5.74	4.36	0.76	2359																						
27	19	6.90	4.83	0.70	2160	6.33	4.43	0.70	2294	5.86	4.10	0.70	2381																						
27	20	7.11	4.55	0.64	2180	6.52	4.18	0.64	2315	6.03	3.86	0.64	2403																						
27	22	7.53	3.92	0.52	2219	6.92	3.60	0.52	2357	6.40	3.33	0.52	2446																						
27	24	7.99	3.19	0.40	2259	7.33	2.93	0.40	2399	6.78	2.71	0.40	2490																						
27	26	8.38	2.35	0.28	2299	7.70	2.16	0.28	2442	7.12	1.99	0.28	2534																						
28	18	6.76	5.41	0.80	2140	6.21	4.97	0.80	2273	5.74	4.59	0.80	2359																						
28	20	7.11	4.83	0.68	2180	6.52	4.44	0.68	2315	6.03	4.10	0.68	2403																						
28	22	7.53	4.22	0.56	2219	6.92	3.87	0.56	2357	6.40	3.58	0.56	2446																						

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIL-3.0UFE1NH+RAS-3.0UFESNH1

CAPACITY: 6.90 kW SHF: 0.70 INPUT: 2160 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																								
		-15				-7				0				10				15				21				25				27				30				35				40				48			
		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	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	5.66	2.49	0.44	704	5.66	2.49	0.44	769	5.66	2.49	0.44	833	6.29	2.77	0.44	877	6.29	2.77	0.44	963	9.57	4.21	0.44	1844	9.16	4.03	0.44	1939	8.80	3.87	0.44	2028	8.46	3.72	0.44	2121	7.99	3.51	0.44	2259	7.33	3.23	0.44	2399	6.78	2.98	0.44	2490
28	26	5.94	1.90	0.32	744	5.94	1.90	0.32	809	5.94	1.90	0.32	873	6.60	2.11	0.32	917	6.60	2.11	0.32	1003	10.05	3.21	0.32	1876	9.61	3.08	0.32	1973	9.24	2.96	0.32	2064	8.89	2.84	0.32	2159	8.38	2.68	0.32	2299	7.70	2.46	0.32	2442	7.12	2.28	0.32	2534
29	18	4.79	3.93	0.82	585	4.79	3.93	0.82	650	4.79	3.93	0.82	714	5.33	4.37	0.82	758	5.33	4.37	0.82	844	8.10	6.64	0.82	1747	7.75	6.36	0.82	1837	7.45	6.11	0.82	1921	7.17	5.88	0.82	2009	6.76	5.54	0.82	2140	6.21	5.09	0.82	2273	5.74	4.71	0.82	2359
29	20	5.04	3.63	0.72	625	5.04	3.63	0.72	690	5.04	3.63	0.72	754	5.60	4.03	0.72	798	5.60	4.03	0.72	884	8.51	6.13	0.72	1779	8.15	5.87	0.72	1871	7.83	5.64	0.72	1957	7.53	5.42	0.72	2047	7.11	5.12	0.72	2180	6.52	4.70	0.72	2315	6.03	4.35	0.72	2403
29	22	5.34	3.20	0.60	664	5.34	3.20	0.60	729	5.34	3.20	0.60	793	5.93	3.56	0.60	837	5.93	3.56	0.60	923	9.03	5.42	0.60	1811	8.64	5.18	0.60	1904	8.30	4.98	0.60	1992	7.99	4.79	0.60	2084	7.53	4.52	0.60	2219	6.92	4.15	0.60	2357	6.40	3.84	0.60	2446
29	24	5.66	2.72	0.48	704	5.66	2.72	0.48	769	5.66	2.72	0.48	833	6.29	3.02	0.48	877	6.29	3.02	0.48	963	9.57	4.59	0.48	1844	9.16	4.39	0.48	1939	8.80	4.23	0.48	2028	8.46	4.06	0.48	2121	7.99	3.83	0.48	2259	7.33	3.52	0.48	2399	6.78	3.25	0.48	2490
29	26	5.94	2.14	0.36	744	5.94	2.14	0.36	809	5.94	2.14	0.36	873	6.60	2.38	0.36	917	6.60	2.38	0.36	1003	10.05	3.62	0.36	1876	9.61	3.46	0.36	1973	9.24	3.33	0.36	2064	8.89	3.20	0.36	2159	8.38	3.02	0.36	2299	7.70	2.77	0.36	2442	7.12	2.56	0.36	2534
30	18	4.79	3.93	0.82	585	4.79	3.93	0.82	650	4.79	3.93	0.82	714	5.33	4.37	0.82	758	5.33	4.37	0.82	844	8.10	6.64	0.82	1747	7.75	6.36	0.82	1837	7.45	6.11	0.82	1921	7.17	5.88	0.82	2009	6.76	5.54	0.82	2140	6.21	5.09	0.82	2273	5.74	4.71	0.82	2359
30	20	5.04	3.83	0.76	625	5.04	3.83	0.76	690	5.04	3.83	0.76	754	5.60	4.25	0.76	798	5.60	4.25	0.76	884	8.51	6.47	0.76	1779	8.15	6.19	0.76	1871	7.83	5.95	0.76	1957	7.53	5.73	0.76	2047	7.11	5.40	0.76	2180	6.52	4.96	0.76	2315	6.03	4.59	0.76	2403
30	22	5.34	3.42	0.64	664	5.34	3.42	0.64	729	5.34	3.42	0.64	793	5.93	3.80	0.64	837	5.93	3.80	0.64	923	9.03	5.78	0.64	1811	8.64	5.53	0.64	1904	8.30	5.32	0.64	1992	7.99	5.11	0.64	2084	7.53	4.82	0.64	2219	6.92	4.43	0.64	2357	6.40	4.09	0.64	2446
30	24	5.66	2.94	0.52	704	5.66	2.94	0.52	769	5.66	2.94	0.52	833	6.29	3.27	0.52	877	6.29	3.27	0.52	963	9.57	4.97	0.52	1844	9.16	4.76	0.52	1939	8.80	4.58	0.52	2028	8.46	4.40	0.52	2121	7.99	4.15	0.52	2259	7.33	3.81	0.52	2399	6.78	3.53	0.52	2490
30	26	5.94	2.38	0.40	744	5.94	2.38	0.40	809	5.94	2.38	0.40	873	6.60	2.64	0.40	917	6.60	2.64	0.40	1003	10.05	4.02	0.40	1876	9.61	3.85	0.40	1973	9.24	3.70	0.40	2064	8.89	3.56	0.40	2159	8.38	3.35	0.40	2299	7.70	3.08	0.40	2442	7.12	2.85	0.40	2534
31	18	4.79	3.93	0.82	585	4.79	3.93	0.82	650	4.79	3.93	0.82	714	5.33	4.37	0.82	758	5.33	4.37	0.82	844	8.10	6.64	0.82	1747	7.75	6.36	0.82	1837	7.45	6.11	0.82	1921	7.17	5.88	0.82	2009	6.76	5.54	0.82	2140	6.21	5.09	0.82	2273	5.74	4.71	0.82	2359
31	20	5.04	4.03	0.80	625	5.04	4.03	0.80	690	5.04	4.03	0.80	754	5.60	4.48	0.80	798	5.60	4.48	0.80	884	8.51	6.81	0.80	1779	8.15	6.52	0.80	1871	7.83	6.27	0.80	1957	7.53	6.03	0.80	2047	7.11	5.69	0.80	2180	6.52	5.22	0.80	2315	6.03	4.83	0.80	2403
31	22	5.34	3.63	0.68	664	5.34	3.63	0.68	729	5.34	3.63	0.68	793	5.93	4.03	0.68	837	5.93	4.03	0.68	923	9.03	6.14	0.68	1811	8.64	5.87	0.68	1904	8.30	5.65	0.68	1992	7.99	5.43	0.68	2084	7.53	5.12	0.68	2219	6.92	4.70	0.68	2357	6.40	4.35	0.68	2446
31	24	5.66	3.17	0.56	704	5.66	3.17	0.56	769	5.66	3.17	0.56	833	6.29	3.52	0.56	877	6.29	3.52	0.56	963	9.57	5.36	0.56	1844	9.16	5.13	0.56	1939	8.80	4.93	0.56	2028	8.46	4.74	0.56	2121	7.99	4.47	0.56	2259	7.33	4.11	0.56	2399	6.78	3.80	0.56	2490
31	26	5.94	2.62	0.44	744	5.94	2.62	0.44	809	5.94	2.62	0.44	873	6.60	2.91	0.44	917	6.60	2.91	0.44	1003	10.05	4.42	0.44	1876	9.61	4.23	0.44	1973	9.24	4.07	0.44	2064	8.89	3.91	0.44	2159	8.38	3.69	0.44	2299	7.70	3.39	0.44	2442	7.12	3.13	0.44	2534
32	18	4.79	3.93	0.82	585	4.79	3.93	0.82	650	4.79	3.93	0.82	714	5.33	4.37	0.82	758	5.33	4.37	0.82	844	8.10	6.64	0.82	1747	7.75	6.36	0.82	1837	7.45	6.11	0.82	1921	7.17	5.88	0.82	2009	6.76	5.54	0.82	2140	6.21	5.09	0.82	2273	5.74	4.71	0.82	2359
32	20	5.04	4.13	0.82	625	5.04	4.13	0.82	690	5.04	4.13	0.82	754	5.60	4.59	0.82	798	5.60	4.59	0.82	884	8.51	6.98	0.82	1779	8.15	6.68	0.82	1871	7.83	6.42	0.82	1957	7.53	6.18	0.82	2047	7.11	5.83	0.82	2180	6.52	5.35	0.82	2315	6.03	4.95	0.82	2403
32	22	5.34	3.85	0.72	664	5.34	3.85	0.72	729	5.34	3.85	0.72	793	5.93	4.27	0.72	837	5.93	4.27	0.72	923	9.03	6.50	0.72	1811	8.64	6.22	0.72	1904	8.30	5.98	0.72	1992	7.99	5.75	0.72	2084	7.53	5.42	0.72	2219	6.92	4.98	0.72	2357	6.40	4.61	0.72	2446
32 *	24	5.66	3.40	0.60	704	5.66	3.40	0.60	769	5.66	3.40	0.60	833	6.29	3.77	0.60	877	6.29	3.77	0.60	963	9.57	5.74	0.60	1844	9.16	5.49	0.60	1939	8.80	5.28	0.60	2028	8.46	5.08	0.60	2121	7.99	4.79	0.60	2259	7.33	4.40	0.60	2399	6.78	4.07	0.60	2490
32	26	5.94	2.85	0.48	744	5.94	2.85	0.48	809	5.94	2.85	0.48	873	6.60	3.17	0.48	917	6.60	3.17	0.48	1003	10.05	4.82	0.48	1876	9.61	4.61	0.48	1973	9.24	4.44	0.48	2064	8.89	4.27	0.48	2159	8.38	4.02	0.48	2299	7.70	3.69	0.48	2442	7.12	3.42	0.48	2534

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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-3.5UFE1NH+RAS-3.5UFESNH1

CAPACITY: 8.50 kW SHF: 0.70 INPUT: 2670 W

OUTDOOR DB (°C)

INDOOR DB (°C)	INDOOR WB (°C)	-15				-7				0				10			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.91	3.07	0.52	728	5.91	3.07	0.52	808	5.91	3.07	0.52	888	6.56	3.41	0.52	941
21	20	6.21	2.48	0.40	768	6.21	2.48	0.40	848	6.21	2.48	0.40	928	6.89	2.76	0.40	981
22	18	5.91	3.31	0.56	728	5.91	3.31	0.56	808	5.91	3.31	0.56	888	6.56	3.67	0.56	941
22	20	6.21	2.73	0.44	768	6.21	2.73	0.44	848	6.21	2.73	0.44	928	6.89	3.03	0.44	981
22	22	6.58	2.11	0.32	807	6.58	2.11	0.32	887	6.58	2.11	0.32	967	7.31	2.34	0.32	1020
23	18	5.91	3.54	0.60	728	5.91	3.54	0.60	808	5.91	3.54	0.60	888	6.56	3.94	0.60	941
23	20	6.21	2.98	0.48	768	6.21	2.98	0.48	848	6.21	2.98	0.48	928	6.89	3.31	0.48	981
23	22	6.58	2.37	0.36	807	6.58	2.37	0.36	887	6.58	2.37	0.36	967	7.31	2.63	0.36	1020
24	18	5.91	3.78	0.64	728	5.91	3.78	0.64	808	5.91	3.78	0.64	888	6.56	4.20	0.64	941
24	20	6.21	3.23	0.52	768	6.21	3.23	0.52	848	6.21	3.23	0.52	928	6.89	3.59	0.52	981
24	22	6.58	2.63	0.40	807	6.58	2.63	0.40	887	6.58	2.63	0.40	967	7.31	2.92	0.40	1020
24	24	6.97	1.95	0.28	847	6.97	1.95	0.28	927	6.97	1.95	0.28	1007	7.75	2.17	0.28	1060
25	18	5.91	4.02	0.68	728	5.91	4.02	0.68	808	5.91	4.02	0.68	888	6.56	4.46	0.68	941
25	20	6.21	3.48	0.56	768	6.21	3.48	0.56	848	6.21	3.48	0.56	928	6.89	3.86	0.56	981
25	22	6.58	2.90	0.44	807	6.58	2.90	0.44	887	6.58	2.90	0.44	967	7.31	3.22	0.44	1020
25	24	6.97	2.23	0.32	847	6.97	2.23	0.32	927	6.97	2.23	0.32	1007	7.75	2.48	0.32	1060
26	18	5.91	4.25	0.72	728	5.91	4.25	0.72	808	5.91	4.25	0.72	888	6.56	4.72	0.72	941
26	20	6.21	3.72	0.60	768	6.21	3.72	0.60	848	6.21	3.72	0.60	928	6.89	4.14	0.60	981
26	22	6.58	3.16	0.48	807	6.58	3.16	0.48	887	6.58	3.16	0.48	967	7.31	3.51	0.48	1020
26	24	6.97	2.51	0.36	847	6.97	2.51	0.36	927	6.97	2.51	0.36	1007	7.75	2.79	0.36	1060
26	26	7.32	1.76	0.24	887	7.32	1.76	0.24	967	7.32	1.76	0.24	1047	8.13	1.95	0.24	1100
27	18	5.91	4.49	0.76	728	5.91	4.49	0.76	808	5.91	4.49	0.76	888	6.56	4.99	0.76	941
27	19	6.03	4.22	0.70	748	6.03	4.22	0.70	828	6.03	4.22	0.70	908	6.69	4.69	0.70	961
27	20	6.21	3.97	0.64	768	6.21	3.97	0.64	848	6.21	3.97	0.64	928	6.89	4.41	0.64	981
27	22	6.58	3.42	0.52	807	6.58	3.42	0.52	887	6.58	3.42	0.52	967	7.31	3.80	0.52	1020
27	24	6.97	2.79	0.40	847	6.97	2.79	0.40	927	6.97	2.79	0.40	1007	7.75	3.10	0.40	1060
27	26	7.32	2.05	0.28	887	7.32	2.05	0.28	967	7.32	2.05	0.28	1047	8.13	2.28	0.28	1100
28	18	5.91	4.72	0.80	728	5.91	4.72	0.80	808	5.91	4.72	0.80	888	6.56	5.25	0.80	941
28	20	6.21	4.22	0.68	768	6.21	4.22	0.68	848	6.21	4.22	0.68	928	6.89	4.69	0.68	981
28	22	6.58	3.68	0.56	807	6.58	3.68	0.56	887	6.58	3.68	0.56	967	7.31	4.09	0.56	1020

INDOOR DB (°C)	INDOOR WB (°C)	15				21				25				27			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.56	3.41	0.52	1048	9.98	5.19	0.52	2163	9.55	4.97	0.52	2274	9.18	4.78	0.52	2379
21	20	6.89	2.76	0.40	1088	10.49	4.20	0.40	2195	10.04	4.02	0.40	2309	9.65	3.86	0.40	2415
22	18	6.56	3.67	0.56	1048	9.98	5.59	0.56	2163	9.55	5.35	0.56	2274	9.18	5.14	0.56	2379
22	20	6.89	3.03	0.44	1088	10.49	4.62	0.44	2195	10.04	4.42	0.44	2309	9.65	4.25	0.44	2415
22	22	7.31	2.34	0.32	1127	11.12	3.56	0.32	2227	10.64	3.40	0.32	2342	10.23	3.27	0.32	2450
23	18	6.56	3.94	0.60	1048	9.98	5.99	0.60	2163	9.55	5.73	0.60	2274	9.18	5.51	0.60	2379
23	20	6.89	3.31	0.48	1088	10.49	5.03	0.48	2195	10.04	4.82	0.48	2309	9.65	4.63	0.48	2415
23	22	7.31	2.63	0.36	1127	11.12	4.00	0.36	2227	10.64	3.83	0.36	2342	10.23	3.68	0.36	2450
24	18	6.56	4.20	0.64	1048	9.98	6.39	0.64	2163	9.55	6.11	0.64	2274	9.18	5.88	0.64	2379
24	20	6.89	3.59	0.52	1088	10.49	5.45	0.52	2195	10.04	5.22	0.52	2309	9.65	5.02	0.52	2415
24	22	7.31	2.92	0.40	1127	11.12	4.45	0.40	2227	10.64	4.26	0.40	2342	10.23	4.09	0.40	2450
24	24	7.75	2.17	0.28	1167	11.79	3.30	0.28	2260	11.28	3.16	0.28	2376	10.84	3.04	0.28	2486
25	18	6.56	4.46	0.68	1048	9.98	6.79	0.68	2163	9.55	6.49	0.68	2274	9.18	6.24	0.68	2379
25	20	6.89	3.86	0.56	1088	10.49	5.87	0.56	2195	10.04	5.62	0.56	2309	9.65	5.40	0.56	2415
25	22	7.31	3.22	0.44	1127	11.12	4.89	0.44	2227	10.64	4.68	0.44	2342	10.23	4.50	0.44	2450
25	24	7.75	2.48	0.32	1167	11.79	3.77	0.32	2260	11.28	3.61	0.32	2376	10.84	3.47	0.32	2486
26	18	6.56	4.72	0.72	1048	9.98	7.19	0.72	2163	9.55	6.88	0.72	2274	9.18	6.61	0.72	2379
26	20	6.89	4.14	0.60	1088	10.49	6.29	0.60	2195	10.04	6.02	0.60	2309	9.65	5.79	0.60	2415
26	22	7.31	3.51	0.48	1127	11.12	5.34	0.48	2227	10.64	5.11	0.48	2342	10.23	4.91	0.48	2450
26	24	7.75	2.79	0.36	1167	11.79	4.24	0.36	2260	11.28	4.06	0.36	2376	10.84	3.90	0.36	2486
26	26	8.13	1.95	0.24	1207	12.38	2.97	0.24	2293	11.84	2.84	0.24	2411	11.39	2.73	0.24	2522
27	18	6.56	4.99	0.76	1048	9.98	7.58	0.76	2163	9.55	7.26	0.76	2274	9.18	6.98	0.76	2379
27	19	6.69	4.69	0.70	1068	10.18	7.13	0.70	2179	9.75	6.82	0.70	2291	9.37	6.56	0.70	2397
27	20	6.89	4.41	0.64	1088	10.49	6.71	0.64	2195	10.04	6.42	0.64	2309	9.65	6.18	0.64	2415
27	22	7.31	3.80	0.52	1127	11.12	5.78	0.52	2227	10.64	5.53	0.52	2342	10.23	5.32	0.52	2450
27	24	7.75	3.10	0.40	1167	11.79	4.71	0.40	2260	11.28	4.51	0.40	2376	10.84	4.34	0.40	2486
27	26	8.13	2.28	0.28	1207	12.38	3.47	0.28	2293	11.84	3.32	0.28	2411	11.39	3.19	0.28	2522
28	18	6.56	5.25	0.80	1048	9.98	7.98	0.80	2163	9.55	7.64	0.80	2274	9.18	7.35	0.80	2379
28	20	6.89	4.69	0.68	1088	10.49	7.13	0.68	2195	10.04	6.83	0.68	2309	9.65	6.56	0.68	2415
28	22	7.31	4.09	0.56	1127	11.12	6.23	0.56	2227	10.64	5.96	0.56	2342	10.23	5.73	0.56	2450

INDOOR DB (°C)	INDOOR WB (°C)	30				35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8.83	4.59	0.52	2488	8.33	4.33	0.52	2650	7.65	3.98	0.52	2814	7.07	3.68	0.52	2921
21	20	9.28	3.71	0.40	2526	8.76	3.50	0.40	2690	8.04	3.21	0.40	2857	7.43	2.97	0.40	2965
22	18	8.83	4.94	0.56	2488	8.33	4.66	0.56	2650	7.65	4.28	0.56	2814	7.07	3.96	0.56	2921
22	20	9.28	4.08	0.44	2526	8.76	3.85	0.44	2690	8.04	3.54	0.44	2857	7.43	3.27	0.44	2965
22	22	9.84	3.15	0.32	2563	9.28	2.97	0.32	2729	8.52	2.73	0.32	2898	7.88	2.52	0.32	3008
23	18	8.83	5.30	0.60	2488	8.33	5.00	0.60	2650	7.65	4.59	0.60	2814	7.07	4.24	0.60	2921
23	20	9.28	4.45	0.48	2526	8.76	4.20	0.48	2690	8.04	3.86	0.48	2857	7.43	3.57	0.48	2965
23	22	9.84	3.54	0.36	2563	9.28	3.34	0.36	2729	8.52	3.07	0.36	2898	7.88	2.84	0.36	3008
24	18	8.83	5.65	0.64	2488	8.33	5.33	0.64	2650	7.65	4.89	0.64	2814	7.07	4.53	0.64	2921
24	20	9.28	4.83	0.52	2526	8.76	4.55	0.52	2690	8.04	4.18	0.52	2857	7.43	3.87	0.52	2965
24	22	9.84	3.93	0.40	2563	9.28	3.71	0.40	2729	8.52	3.41	0.40	2898	7.88	3.15	0.40	3008
24	24	10.43	2.92	0.28	2600	9.84	2.75	0.28	2769	9.03	2.53	0.28	2941	8.35	2.34	0.28	3052
25	18	8.83	6.00	0.68	2488	8.33	5.66	0.68	2650	7.65	5.20	0.68	2814	7.07	4.81	0.68	2921
25	20	9.28	5.20	0.56	2526	8.76	4.90	0.56	2690	8.04	4.50	0.56	2857	7.43	4.16	0.56	2965
25	22	9.84	4.33	0.44	2563	9.28	4.08	0.44	2729	8.52	3.75	0.44	2898	7.88	3.47	0.44	3008
25	24	10.43	3.34	0.32	2600	9.84	3.15	0.32	2769	9.03	2.89	0.32	2941	8.35	2.67	0.32	3052
26	18	8.83	6.36	0.72	2488	8.33	6.00	0.72	2650	7.65	5.51	0.72	2814	7.07	5.09	0.72	2921
26	20	9.28	5.57	0.60	2526	8.76	5.25	0.60	2690	8.04	4.82	0.60	2857	7.43	4.46	0.60	2965
26	22	9.84	4.72	0.48	2563	9.28	4.45	0.48	2729	8.52	4.09	0.48	2898	7.88	3.78	0.48	3008
26	24	10.43	3.75	0.36	2600	9.84	3.54	0.36	2769	9.03	3.25	0.36	2941	8.35	3.01	0.36	3052
26	26	10.95	2.63	0.24	2638	10.33	2.48	0.24	2809	9.48	2.28	0.24	2983	8.77	2.11	0.24	3097
27	18	8.83	6.71	0.76	2488	8.33	6.33	0.76	2650	7.65	5.81	0.76	2814	7.07	5.38	0.76	2921
27	19	9.01	6.31	0.70	2507	8.50	5.95	0.70	2670	7.80	5.46	0.70	2836	7.22	5.05	0.70	2943
27	20	9.28	5.94	0.64	2526	8.76	5.60	0.64	2690	8.04	5.14	0.64	2857	7.43	4.76	0.64	2965
27	22	9.84	5.12	0.52	2563	9.28	4.83	0.52	2729	8.52	4.43	0.52	2898	7.88	4.10	0.52	3008
27	24	10.43	4.17	0.40	2600	9.84	3.93	0.40	2769	9.03	3.61	0.40	2941	8.35	3.34	0.40	3052
27	26	10.95	3.07	0.28	2638	10.33	2.89	0.28	2809	9.48	2.65	0.28	2983	8.77	2.46	0.28	3097
28	18	8.83	7.06	0.80	2488	8.33	6.66	0.80	2650	7.65	6.12	0.80	2814	7.07	5.66	0.80	2921
28	20	9.28	6.31	0.68	2526	8.76	5.95	0.68	2690	8.04	5.47	0.68	2857	7.43	5.06	0.68	2965
28	22	9.84	5.51	0.56	2563	9.28	5.20	0.56	2729	8.52	4.77	0.56	2898	7.88	4.41	0.56	3008

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-3.5UFE1NH+RAS-3.5UFESNH1

CAPACITY: 8.50 kW SHF: 0.70 INPUT: 2670 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30				35				40				48			
		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	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	6.97	3.07	0.44	847	6.97	3.07	0.44	927	6.97	3.07	0.44	1007	7.75	3.41	0.44	1060	7.75	3.41	0.44	1167	11.79	5.19	0.44	2260	11.28	4.96	0.44	2376	10.84	4.77	0.44	2486	10.43	4.59	0.44	2600	9.84	4.33	0.44	2769	9.03	3.97	0.44	2941	8.35	3.68	0.44	3052
28	26	7.32	2.34	0.32	887	7.32	2.34	0.32	967	7.32	2.34	0.32	1047	8.13	2.60	0.32	1100	8.13	2.60	0.32	1207	12.38	3.96	0.32	2293	11.84	3.79	0.32	2411	11.39	3.64	0.32	2522	10.95	3.50	0.32	2638	10.33	3.31	0.32	2809	9.48	3.03	0.32	2983	8.77	2.81	0.32	3097
29	18	5.91	4.84	0.82	728	5.91	4.84	0.82	808	5.91	4.84	0.82	888	6.56	5.38	0.82	941	6.56	5.38	0.82	1048	9.98	8.18	0.82	2163	9.55	7.83	0.82	2274	9.18	7.53	0.82	2379	8.83	7.24	0.82	2488	8.33	6.83	0.82	2650	7.65	6.27	0.82	2814	7.07	5.80	0.82	2921
29	20	6.21	4.47	0.72	768	6.21	4.47	0.72	848	6.21	4.47	0.72	928	6.89	4.96	0.72	981	6.89	4.96	0.72	1088	10.49	7.55	0.72	2195	10.04	7.23	0.72	2309	9.65	6.95	0.72	2415	9.28	6.68	0.72	2526	8.76	6.30	0.72	2690	8.04	5.79	0.72	2857	7.43	5.35	0.72	2965
29	22	6.58	3.95	0.60	807	6.58	3.95	0.60	887	6.58	3.95	0.60	967	7.31	4.38	0.60	1020	7.31	4.38	0.60	1127	11.12	6.67	0.60	2227	10.64	6.38	0.60	2342	10.23	6.14	0.60	2450	9.84	5.90	0.60	2563	9.28	5.57	0.60	2729	8.52	5.11	0.60	2898	7.88	4.73	0.60	3008
29	24	6.97	3.35	0.48	847	6.97	3.35	0.48	927	6.97	3.35	0.48	1007	7.75	3.72	0.48	1060	7.75	3.72	0.48	1167	11.79	5.66	0.48	2260	11.28	5.41	0.48	2376	10.84	5.21	0.48	2486	10.43	5.01	0.48	2600	9.84	4.72	0.48	2769	9.03	4.33	0.48	2941	8.35	4.01	0.48	3052
29	26	7.32	2.64	0.36	887	7.32	2.64	0.36	967	7.32	2.64	0.36	1047	8.13	2.93	0.36	1100	8.13	2.93	0.36	1207	12.38	4.46	0.36	2293	11.84	4.26	0.36	2411	11.39	4.10	0.36	2522	10.95	3.94	0.36	2638	10.33	3.72	0.36	2809	9.48	3.41	0.36	2983	8.77	3.16	0.36	3097
30	18	5.91	4.84	0.82	728	5.91	4.84	0.82	808	5.91	4.84	0.82	888	6.56	5.38	0.82	941	6.56	5.38	0.82	1048	9.98	8.18	0.82	2163	9.55	7.83	0.82	2274	9.18	7.53	0.82	2379	8.83	7.24	0.82	2488	8.33	6.83	0.82	2650	7.65	6.27	0.82	2814	7.07	5.80	0.82	2921
30	20	6.21	4.72	0.76	768	6.21	4.72	0.76	848	6.21	4.72	0.76	928	6.89	5.24	0.76	981	6.89	5.24	0.76	1088	10.49	7.97	0.76	2195	10.04	7.63	0.76	2309	9.65	7.34	0.76	2415	9.28	7.05	0.76	2526	8.76	6.65	0.76	2690	8.04	6.11	0.76	2857	7.43	5.65	0.76	2965
30	22	6.58	4.21	0.64	807	6.58	4.21	0.64	887	6.58	4.21	0.64	967	7.31	4.68	0.64	1020	7.31	4.68	0.64	1127	11.12	7.12	0.64	2227	10.64	6.81	0.64	2342	10.23	6.55	0.64	2450	9.84	6.30	0.64	2563	9.28	5.94	0.64	2729	8.52	5.45	0.64	2898	7.88	5.04	0.64	3008
30	24	6.97	3.63	0.52	847	6.97	3.63	0.52	927	6.97	3.63	0.52	1007	7.75	4.03	0.52	1060	7.75	4.03	0.52	1167	11.79	6.13	0.52	2260	11.28	5.86	0.52	2376	10.84	5.64	0.52	2486	10.43	5.42	0.52	2600	9.84	5.12	0.52	2769	9.03	4.70	0.52	2941	8.35	4.34	0.52	3052
30	26	7.32	2.93	0.40	887	7.32	2.93	0.40	967	7.32	2.93	0.40	1047	8.13	3.25	0.40	1100	8.13	3.25	0.40	1207	12.38	4.95	0.40	2293	11.84	4.74	0.40	2411	11.39	4.55	0.40	2522	10.95	4.38	0.40	2638	10.33	4.13	0.40	2809	9.48	3.79	0.40	2983	8.77	3.51	0.40	3097
31	18	5.91	4.84	0.82	728	5.91	4.84	0.82	808	5.91	4.84	0.82	888	6.56	5.38	0.82	941	6.56	5.38	0.82	1048	9.98	8.18	0.82	2163	9.55	7.83	0.82	2274	9.18	7.53	0.82	2379	8.83	7.24	0.82	2488	8.33	6.83	0.82	2650	7.65	6.27	0.82	2814	7.07	5.80	0.82	2921
31	20	6.21	4.97	0.80	768	6.21	4.97	0.80	848	6.21	4.97	0.80	928	6.89	5.52	0.80	981	6.89	5.52	0.80	1088	10.49	8.39	0.80	2195	10.04	8.03	0.80	2309	9.65	7.72	0.80	2415	9.28	7.42	0.80	2526	8.76	7.00	0.80	2690	8.04	6.43	0.80	2857	7.43	5.95	0.80	2965
31	22	6.58	4.47	0.68	807	6.58	4.47	0.68	887	6.58	4.47	0.68	967	7.31	4.97	0.68	1020	7.31	4.97	0.68	1127	11.12	7.56	0.68	2227	10.64	7.24	0.68	2342	10.23	6.96	0.68	2450	9.84	6.69	0.68	2563	9.28	6.31	0.68	2729	8.52	5.79	0.68	2898	7.88	5.36	0.68	3008
31	24	6.97	3.91	0.56	847	6.97	3.91	0.56	927	6.97	3.91	0.56	1007	7.75	4.34	0.56	1060	7.75	4.34	0.56	1167	11.79	6.60	0.56	2260	11.28	6.32	0.56	2376	10.84	6.07	0.56	2486	10.43	5.84	0.56	2600	9.84	5.51	0.56	2769	9.03	5.06	0.56	2941	8.35	4.68	0.56	3052
31	26	7.32	3.22	0.44	887	7.32	3.22	0.44	967	7.32	3.22	0.44	1047	8.13	3.58	0.44	1100	8.13	3.58	0.44	1207	12.38	5.45	0.44	2293	11.84	5.21	0.44	2411	11.39	5.01	0.44	2522	10.95	4.82	0.44	2638	10.33	4.54	0.44	2809	9.48	4.17	0.44	2983	8.77	3.86	0.44	3097
32	18	5.91	4.84	0.82	728	5.91	4.84	0.82	808	5.91	4.84	0.82	888	6.56	5.38	0.82	941	6.56	5.38	0.82	1048	9.98	8.18	0.82	2163	9.55	7.83	0.82	2274	9.18	7.53	0.82	2379	8.83	7.24	0.82	2488	8.33	6.83	0.82	2650	7.65	6.27	0.82	2814	7.07	5.80	0.82	2921
32	20	6.21	5.09	0.82	768	6.21	5.09	0.82	848	6.21	5.09	0.82	928	6.89	5.65	0.82	981	6.89	5.65	0.82	1088	10.49	8.60	0.82	2195	10.04	8.23	0.82	2309	9.65	7.91	0.82	2415	9.28	7.61	0.82	2526	8.76	7.18	0.82	2690	8.04	6.59	0.82	2857	7.43	6.10	0.82	2965
32	22	6.58	4.74	0.72	807	6.58	4.74	0.72	887	6.58	4.74	0.72	967	7.31	5.26	0.72	1020	7.31	5.26	0.72	1127	11.12	8.01	0.72	2227	10.64	7.66	0.72	2342	10.23	7.37	0.72	2450	9.84	7.08	0.72	2563	9.28	6.68	0.72	2729	8.52	6.13	0.72	2898	7.88	5.67	0.72	3008
32	24	6.97	4.18	0.60	847	6.97	4.18	0.60	927	6.97	4.18	0.60	1007	7.75	4.65	0.60	1060	7.75	4.65	0.60	1167	11.79	7.07	0.60	2260	11.28	6.77	0.60	2376	10.84	6.51	0.60	2486	10.43	6.26	0.60	2600	9.84	5.90	0.60	2769	9.03	5.42	0.60	2941	8.35	5.01	0.60	3052
32	26	7.32	3.52	0.48	887	7.32	3.52	0.48	967	7.32	3.52	0.48	1047	8.13	3.90	0.48	1100	8.13	3.90	0.48	1207	12.38	5.94	0.48	2293	11.84	5.68	0.48	2411	11.39	5.47	0.48	2522	10.95	5.26	0.48	2638	10.33	4.96	0.48	2809	9.48	4.55	0.48	2983	8.77	4.21	0.48	3097

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-4.0UFE1NH+RAS-4.0UFESNH1

CAPACITY: 10.10 kW SHF: 0.70 INPUT: 3800 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	7.02	3.65	0.52	1044	7.02	3.65	0.52	1158	7.02	3.65	0.52	1272	7.79	4.05	0.52	1348	7.79	4.05	0.52	1500	11.86	6.17	0.52	3085	11.35	5.90	0.52	3244	10.91	5.67	0.52	3393	10.49	5.46	0.52	3549
21	20	7.38	2.95	0.40	1084	7.38	2.95	0.40	1198	7.38	2.95	0.40	1312	8.19	3.28	0.40	1388	8.19	3.28	0.40	1540	12.46	4.99	0.40	3118	11.93	4.77	0.40	3278	11.47	4.59	0.40	3429	11.03	4.41	0.40	3587
22	18	7.02	3.93	0.56	1044	7.02	3.93	0.56	1158	7.02	3.93	0.56	1272	7.79	4.37	0.56	1348	7.79	4.37	0.56	1500	11.86	6.64	0.56	3085	11.35	6.35	0.56	3244	10.91	6.11	0.56	3393	10.49	5.88	0.56	3549
22	20	7.38	3.25	0.44	1084	7.38	3.25	0.44	1198	7.38	3.25	0.44	1312	8.19	3.60	0.44	1388	8.19	3.60	0.44	1540	12.46	5.48	0.44	3118	11.93	5.25	0.44	3278	11.47	5.05	0.44	3429	11.03	4.85	0.44	3587
22	22	7.82	2.50	0.32	1123	7.82	2.50	0.32	1237	7.82	2.50	0.32	1351	8.68	2.78	0.32	1427	8.68	2.78	0.32	1579	13.21	4.23	0.32	3149	12.64	4.05	0.32	3312	12.16	3.89	0.32	3464	11.69	3.74	0.32	3624
23	18	7.02	4.21	0.60	1044	7.02	4.21	0.60	1158	7.02	4.21	0.60	1272	7.79	4.68	0.60	1348	7.79	4.68	0.60	1500	11.86	7.12	0.60	3085	11.35	6.81	0.60	3244	10.91	6.55	0.60	3393	10.49	6.30	0.60	3549
23	20	7.38	3.54	0.48	1084	7.38	3.54	0.48	1198	7.38	3.54	0.48	1312	8.19	3.93	0.48	1388	8.19	3.93	0.48	1540	12.46	5.98	0.48	3118	11.93	5.72	0.48	3278	11.47	5.50	0.48	3429	11.03	5.29	0.48	3587
23	22	7.82	2.81	0.36	1123	7.82	2.81	0.36	1237	7.82	2.81	0.36	1351	8.68	3.13	0.36	1427	8.68	3.13	0.36	1579	13.21	4.76	0.36	3149	12.64	4.55	0.36	3312	12.16	4.38	0.36	3464	11.69	4.21	0.36	3624
24	18	7.02	4.49	0.64	1044	7.02	4.49	0.64	1158	7.02	4.49	0.64	1272	7.79	4.99	0.64	1348	7.79	4.99	0.64	1500	11.86	7.59	0.64	3085	11.35	7.26	0.64	3244	10.91	6.98	0.64	3393	10.49	6.71	0.64	3549
24	20	7.38	3.84	0.52	1084	7.38	3.84	0.52	1198	7.38	3.84	0.52	1312	8.19	4.26	0.52	1388	8.19	4.26	0.52	1540	12.46	6.48	0.52	3118	11.93	6.20	0.52	3278	11.47	5.96	0.52	3429	11.03	5.73	0.52	3587
24	22	7.82	3.13	0.40	1123	7.82	3.13	0.40	1237	7.82	3.13	0.40	1351	8.68	3.47	0.40	1427	8.68	3.47	0.40	1579	13.21	5.28	0.40	3149	12.64	5.06	0.40	3312	12.16	4.86	0.40	3464	11.69	4.68	0.40	3624
24	24	8.29	2.32	0.28	1163	8.29	2.32	0.28	1277	8.29	2.32	0.28	1391	9.20	2.58	0.28	1467	9.20	2.58	0.28	1619	14.00	3.92	0.28	3182	13.40	3.75	0.28	3346	12.89	3.61	0.28	3500	12.39	3.47	0.28	3661
25	18	7.02	4.77	0.68	1044	7.02	4.77	0.68	1158	7.02	4.77	0.68	1272	7.79	5.30	0.68	1348	7.79	5.30	0.68	1500	11.86	8.06	0.68	3085	11.35	7.72	0.68	3244	10.91	7.42	0.68	3393	10.49	7.13	0.68	3549
25	20	7.38	4.13	0.56	1084	7.38	4.13	0.56	1198	7.38	4.13	0.56	1312	8.19	4.59	0.56	1388	8.19	4.59	0.56	1540	12.46	6.98	0.56	3118	11.93	6.68	0.56	3278	11.47	6.42	0.56	3429	11.03	6.18	0.56	3587
25	22	7.82	3.44	0.44	1123	7.82	3.44	0.44	1237	7.82	3.44	0.44	1351	8.68	3.82	0.44	1427	8.68	3.82	0.44	1579	13.21	5.81	0.44	3149	12.64	5.56	0.44	3312	12.16	5.35	0.44	3464	11.69	5.14	0.44	3624
25	24	8.29	2.65	0.32	1163	8.29	2.65	0.32	1277	8.29	2.65	0.32	1391	9.20	2.95	0.32	1467	9.20	2.95	0.32	1619	14.00	4.48	0.32	3182	13.40	4.29	0.32	3346	12.89	4.12	0.32	3500	12.39	3.96	0.32	3661
26	18	7.02	5.05	0.72	1044	7.02	5.05	0.72	1158	7.02	5.05	0.72	1272	7.79	5.61	0.72	1348	7.79	5.61	0.72	1500	11.86	8.54	0.72	3085	11.35	8.17	0.72	3244	10.91	7.86	0.72	3393	10.49	7.55	0.72	3549
26	20	7.38	4.43	0.60	1084	7.38	4.43	0.60	1198	7.38	4.43	0.60	1312	8.19	4.92	0.60	1388	8.19	4.92	0.60	1540	12.46	7.48	0.60	3118	11.93	7.16	0.60	3278	11.47	6.88	0.60	3429	11.03	6.62	0.60	3587
26	22	7.82	3.75	0.48	1123	7.82	3.75	0.48	1237	7.82	3.75	0.48	1351	8.68	4.17	0.48	1427	8.68	4.17	0.48	1579	13.21	6.34	0.48	3149	12.64	6.07	0.48	3312	12.16	5.84	0.48	3464	11.69	5.61	0.48	3624
26	24	8.29	2.98	0.36	1163	8.29	2.98	0.36	1277	8.29	2.98	0.36	1391	9.20	3.31	0.36	1467	9.20	3.31	0.36	1619	14.00	5.04	0.36	3182	13.40	4.82	0.36	3346	12.89	4.64	0.36	3500	12.39	4.46	0.36	3661
26	26	8.70	2.09	0.24	1203	8.70	2.09	0.24	1317	8.70	2.09	0.24	1431	9.67	2.32	0.24	1507	9.67	2.32	0.24	1659	14.70	3.53	0.24	3215	14.07	3.38	0.24	3380	13.53	3.25	0.24	3536	13.01	3.12	0.24	3699
27	18	7.02	5.33	0.76	1044	7.02	5.33	0.76	1158	7.02	5.33	0.76	1272	7.79	5.92	0.76	1348	7.79	5.92	0.76	1500	11.86	9.01	0.76	3085	11.35	8.62	0.76	3244	10.91	8.29	0.76	3393	10.49	7.97	0.76	3549
27	19	7.16	5.01	0.70	1064	7.16	5.01	0.70	1178	7.16	5.01	0.70	1292	7.95	5.57	0.70	1368	7.95	5.57	0.70	1520	12.10	8.47	0.70	3101	11.58	8.11	0.70	3261	11.13	7.79	0.70	3411	10.71	7.49	0.70	3568
27	20	7.38	4.72	0.64	1084	7.38	4.72	0.64	1198	7.38	4.72	0.64	1312	8.19	5.24	0.64	1388	8.19	5.24	0.64	1540	12.46	7.98	0.64	3118	11.93	7.63	0.64	3278	11.47	7.34	0.64	3429	11.03	7.06	0.64	3587
27	22	7.82	4.07	0.52	1123	7.82	4.07	0.52	1237	7.82	4.07	0.52	1351	8.68	4.52	0.52	1427	8.68	4.52	0.52	1579	13.21	6.87	0.52	3149	12.64	6.57	0.52	3312	12.16	6.32	0.52	3464	11.69	6.08	0.52	3624
27	24	8.29	3.31	0.40	1163	8.29	3.31	0.40	1277	8.29	3.31	0.40	1391	9.20	3.68	0.40	1467	9.20	3.68	0.40	1619	14.00	5.60	0.40	3182	13.40	5.36	0.40	3346	12.89	5.15	0.40	3500	12.39	4.96	0.40	3661
27	26	8.70	2.44	0.28	1203	8.70	2.44	0.28	1317	8.70	2.44	0.28	1431	9.67	2.71	0.28	1507	9.67	2.71	0.28	1659	14.70	4.12	0.28	3215	14.07	3.94	0.28	3380	13.53	3.79	0.28	3536	13.01	3.64	0.28	3699
28	18	7.02	5.61	0.80	1044	7.02	5.61	0.80	1158	7.02	5.61	0.80	1272	7.79	6.24	0.80	1348	7.79	6.24	0.80	1500	11.86	9.49	0.80	3085	11.35	9.08	0.80	3244	10.91	8.73	0.80	3393	10.49	8.39	0.80	3549
28	20	7.38	5.02	0.68	1084	7.38	5.02	0.68	1198	7.38	5.02	0.68	1312	8.19	5.57	0.68	1388	8.19	5.57	0.68	1540	12.46	8.48	0.68	3118	11.93	8.11	0.68	3278	11.47	7.80	0.68	3429	11.03	7.50	0.68	3587
28	22	7.82	4.38	0.56	1123	7.82	4.38	0.56	1237	7.82	4.38	0.56	1351	8.68	4.86	0.56	1427	8.68	4.86	0.56	1579	13.21	7.40	0.56	3149	12.64	7.08	0.56	3312	12.16	6.81	0.56	3464	11.69	6.55	0.56	3624

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	9.90	5.15	0.52	3780	9.09	4.72	0.52	4014	8.40	4.37	0.52	4167
21	20	10.40	4.16	0.40	3820	9.55	3.82	0.40	4057	8.83	3.53	0.40	4211
22	18	9.90	5.54	0.56	3780	9.09	5.09	0.56	4014	8.40	4.71	0.56	4167
22	20	10.40	4.58	0.44	3820	9.55	4.20	0.44	4057	8.83	3.89	0.44	4211
22	22	11.03	3.53	0.32	3859	10.12	3.24	0.32	4098	9.36	3.00	0.32	4254
23	18	9.90	5.94	0.60	3780	9.09	5.45	0.60	4014	8.40	5.04	0.60	4167
23	20	10.40	4.99	0.48	3820	9.55	4.58	0.48	4057	8.83	4.24	0.48	4211
23	22	11.03	3.97	0.36	3859	10.12	3.64	0.36	4098	9.36	3.37	0.36	4254
24	18	9.90	6.33	0.64	3780	9.09	5.82	0.64	4014	8.40	5.38	0.64	4167
24	20	10.40	5.41	0.52	3820	9.55	4.97	0.52	4057	8.83	4.59	0.52	4211
24	22	11.03	4.41	0.40	3859	10.12	4.05	0.40	4098	9.36	3.75	0.40	4254
24	24	11.69	3.27	0.28	3899	10.73	3.00	0.28	4141	9.93	2.78	0.28	4298
25	18	9.90	6.73	0.68	3780	9.09	6.18	0.68	4014	8.40	5.72	0.68	4167
25	20	10.40	5.83	0.56	3820	9.55	5.35	0.56	4057	8.83	4.95	0.56	4211
25	22	11.03	4.85	0.44	3859	10.12	4.45	0.44	4098	9.36	4.12	0.44	4254
25	24	11.69	3.74	0.32	3899	10.73	3.43	0.32	4141	9.93	3.18	0.32	4298
26	18	9.90	7.13	0.72	3780	9.09	6.54	0.72	4014	8.40	6.05	0.72	4167
26	20	10.40	6.24	0.60	3820	9.55	5.73	0.60	4057	8.83	5.30	0.60	4211
26	22	11.03	5.29	0.48	3859	10.12	4.86	0.48	4098	9.36	4.49	0.48	4254
26	24	11.69	4.21	0.36	3899	10.73	3.86	0.36	4141	9.93	3.57	0.36	4298
26	26	12.27	2.95	0.24	3939	11.27	2.70	0.24	4183	10.42	2.50	0.24	4342
27	18	9.90	7.52	0.76	3780	9.09	6.91	0.76	4014	8.40	6.39	0.76	4167
27	19	10.10	7.07	0.70	3800	9.27	6.49	0.70	4036	8.58	6.00	0.70	4189
27	20	10.40	6.66	0.64	3820	9.55	6.11	0.64	4057	8.83	5.65	0.64	4211
27	22	11.03	5.73	0.52	3859	10.12	5.26	0.52	4098	9.36	4.87	0.52	4254
27	24	11.69	4.68	0.40	3899	10.73	4.29	0.40	4141	9.93	3.97	0.40	4298
27	26	12.27	3.44	0.28	3939	11.27	3.15	0.28	4183	10.42	2.92	0.28	4342
28	18	9.90	7.92	0.80	3780	9.09	7.27	0.80	4014	8.40	6.72	0.80	4167
28	20	10.40	7.07	0.68	3820	9.55	6.49	0.68	4057	8.83	6.01	0.68	4211
28	22	11.03	6.18	0.56	3859	10.12	5.67	0.56	4098	9.36	5.24	0.56	4254

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-4.0UFE1NH+RAS-4.0UFESNH1

CAPACITY: 10.10 kW SHF: 0.70 INPUT: 3800 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30				35				40				48			
		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	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	8.29	3.65	0.44	1163	8.29	3.65	0.44	1277	8.29	3.65	0.44	1391	9.20	4.05	0.44	1467	9.20	4.05	0.44	1619	14.00	6.16	0.44	3182	13.40	5.90	0.44	3346	12.89	5.67	0.44	3500	12.39	5.45	0.44	3661	11.69	5.14	0.44	3899	10.73	4.72	0.44	4141	9.93	4.37	0.44	4298
28	26	8.70	2.78	0.32	1203	8.70	2.78	0.32	1317	8.70	2.78	0.32	1431	9.67	3.09	0.32	1507	9.67	3.09	0.32	1659	14.70	4.71	0.32	3215	14.07	4.50	0.32	3380	13.53	4.33	0.32	3536	13.01	4.16	0.32	3699	12.27	3.93	0.32	3939	11.27	3.61	0.32	4183	10.42	3.33	0.32	4342
29	18	7.02	5.75	0.82	1044	7.02	5.75	0.82	1158	7.02	5.75	0.82	1272	7.79	6.39	0.82	1348	7.79	6.39	0.82	1500	11.86	9.72	0.82	3085	11.35	9.31	0.82	3244	10.91	8.95	0.82	3393	10.49	8.60	0.82	3549	9.90	8.12	0.82	3780	9.09	7.45	0.82	4014	8.40	6.89	0.82	4167
29	20	7.38	5.31	0.72	1084	7.38	5.31	0.72	1198	7.38	5.31	0.72	1312	8.19	5.90	0.72	1388	8.19	5.90	0.72	1540	12.46	8.97	0.72	3118	11.93	8.59	0.72	3278	11.47	8.26	0.72	3429	11.03	7.94	0.72	3587	10.40	7.49	0.72	3820	9.55	6.88	0.72	4057	8.83	6.36	0.72	4211
29	22	7.82	4.69	0.60	1123	7.82	4.69	0.60	1237	7.82	4.69	0.60	1351	8.68	5.21	0.60	1427	8.68	5.21	0.60	1579	13.21	7.93	0.60	3149	12.64	7.59	0.60	3312	12.16	7.29	0.60	3464	11.69	7.01	0.60	3624	11.03	6.62	0.60	3859	10.12	6.07	0.60	4098	9.36	5.62	0.60	4254
29	24	8.29	3.98	0.48	1163	8.29	3.98	0.48	1277	8.29	3.98	0.48	1391	9.20	4.42	0.48	1467	9.20	4.42	0.48	1619	14.00	6.72	0.48	3182	13.40	6.43	0.48	3346	12.89	6.19	0.48	3500	12.39	5.95	0.48	3661	11.69	5.61	0.48	3899	10.73	5.15	0.48	4141	9.93	4.76	0.48	4298
29	26	8.70	3.13	0.36	1203	8.70	3.13	0.36	1317	8.70	3.13	0.36	1431	9.67	3.48	0.36	1507	9.67	3.48	0.36	1659	14.70	5.29	0.36	3215	14.07	5.07	0.36	3380	13.53	4.87	0.36	3536	13.01	4.68	0.36	3699	12.27	4.42	0.36	3939	11.27	4.06	0.36	4183	10.42	3.75	0.36	4342
30	18	7.02	5.75	0.82	1044	7.02	5.75	0.82	1158	7.02	5.75	0.82	1272	7.79	6.39	0.82	1348	7.79	6.39	0.82	1500	11.86	9.72	0.82	3085	11.35	9.31	0.82	3244	10.91	8.95	0.82	3393	10.49	8.60	0.82	3549	9.90	8.12	0.82	3780	9.09	7.45	0.82	4014	8.40	6.89	0.82	4167
30	20	7.38	5.61	0.76	1084	7.38	5.61	0.76	1198	7.38	5.61	0.76	1312	8.19	6.23	0.76	1388	8.19	6.23	0.76	1540	12.46	9.47	0.76	3118	11.93	9.06	0.76	3278	11.47	8.72	0.76	3429	11.03	8.38	0.76	3587	10.40	7.91	0.76	3820	9.55	7.26	0.76	4057	8.83	6.71	0.76	4211
30	22	7.82	5.00	0.64	1123	7.82	5.00	0.64	1237	7.82	5.00	0.64	1351	8.68	5.56	0.64	1427	8.68	5.56	0.64	1579	13.21	8.46	0.64	3149	12.64	8.09	0.64	3312	12.16	7.78	0.64	3464	11.69	7.48	0.64	3624	11.03	7.06	0.64	3859	10.12	6.48	0.64	4098	9.36	5.99	0.64	4254
30	24	8.29	4.31	0.52	1163	8.29	4.31	0.52	1277	8.29	4.31	0.52	1391	9.20	4.79	0.52	1467	9.20	4.79	0.52	1619	14.00	7.28	0.52	3182	13.40	6.97	0.52	3346	12.89	6.70	0.52	3500	12.39	6.44	0.52	3661	11.69	6.08	0.52	3899	10.73	5.58	0.52	4141	9.93	5.16	0.52	4298
30	26	8.70	3.48	0.40	1203	8.70	3.48	0.40	1317	8.70	3.48	0.40	1431	9.67	3.87	0.40	1507	9.67	3.87	0.40	1659	14.70	5.88	0.40	3215	14.07	5.63	0.40	3380	13.53	5.41	0.40	3536	13.01	5.20	0.40	3699	12.27	4.91	0.40	3939	11.27	4.51	0.40	4183	10.42	4.17	0.40	4342
31	18	7.02	5.75	0.82	1044	7.02	5.75	0.82	1158	7.02	5.75	0.82	1272	7.79	6.39	0.82	1348	7.79	6.39	0.82	1500	11.86	9.72	0.82	3085	11.35	9.31	0.82	3244	10.91	8.95	0.82	3393	10.49	8.60	0.82	3549	9.90	8.12	0.82	3780	9.09	7.45	0.82	4014	8.40	6.89	0.82	4167
31	20	7.38	5.90	0.80	1084	7.38	5.90	0.80	1198	7.38	5.90	0.80	1312	8.19	6.55	0.80	1388	8.19	6.55	0.80	1540	12.46	9.97	0.80	3118	11.93	9.54	0.80	3278	11.47	9.17	0.80	3429	11.03	8.82	0.80	3587	10.40	8.32	0.80	3820	9.55	7.64	0.80	4057	8.83	7.07	0.80	4211
31	22	7.82	5.32	0.68	1123	7.82	5.32	0.68	1237	7.82	5.32	0.68	1351	8.68	5.91	0.68	1427	8.68	5.91	0.68	1579	13.21	8.98	0.68	3149	12.64	8.60	0.68	3312	12.16	8.27	0.68	3464	11.69	7.95	0.68	3624	11.03	7.50	0.68	3859	10.12	6.88	0.68	4098	9.36	6.37	0.68	4254
31	24	8.29	4.64	0.56	1163	8.29	4.64	0.56	1277	8.29	4.64	0.56	1391	9.20	5.15	0.56	1467	9.20	5.15	0.56	1619	14.00	7.84	0.56	3182	13.40	7.50	0.56	3346	12.89	7.22	0.56	3500	12.39	6.94	0.56	3661	11.69	6.55	0.56	3899	10.73	6.01	0.56	4141	9.93	5.56	0.56	4298
31	26	8.70	3.83	0.44	1203	8.70	3.83	0.44	1317	8.70	3.83	0.44	1431	9.67	4.25	0.44	1507	9.67	4.25	0.44	1659	14.70	6.47	0.44	3215	14.07	6.19	0.44	3380	13.53	5.95	0.44	3536	13.01	5.72	0.44	3699	12.27	5.40	0.44	3939	11.27	4.96	0.44	4183	10.42	4.59	0.44	4342
32	18	7.02	5.75	0.82	1044	7.02	5.75	0.82	1158	7.02	5.75	0.82	1272	7.79	6.39	0.82	1348	7.79	6.39	0.82	1500	11.86	9.72	0.82	3085	11.35	9.31	0.82	3244	10.91	8.95	0.82	3393	10.49	8.60	0.82	3549	9.90	8.12	0.82	3780	9.09	7.45	0.82	4014	8.40	6.89	0.82	4167
32	20	7.38	6.05	0.82	1084	7.38	6.05	0.82	1198	7.38	6.05	0.82	1312	8.19	6.72	0.82	1388	8.19	6.72	0.82	1540	12.46	10.22	0.82	3118	11.93	9.78	0.82	3278	11.47	9.40	0.82	3429	11.03	9.04	0.82	3587	10.40	8.53	0.82	3820	9.55	7.83	0.82	4057	8.83	7.24	0.82	4211
32	22	7.82	5.63	0.72	1123	7.82	5.63	0.72	1237	7.82	5.63	0.72	1351	8.68	6.25	0.72	1427	8.68	6.25	0.72	1579	13.21	9.51	0.72	3149	12.64	9.10	0.72	3312	12.16	8.75	0.72	3464	11.69	8.42	0.72	3624	11.03	7.94	0.72	3859	10.12	7.29	0.72	4098	9.36	6.74	0.72	4254
32	24	8.29	4.97	0.60	1163	8.29	4.97	0.60	1277	8.29	4.97	0.60	1391	9.20	5.52	0.60	1467	9.20	5.52	0.60	1619	14.00	8.40	0.60	3182	13.40	8.04	0.60	3346	12.89	7.73	0.60	3500	12.39	7.43	0.60	3661	11.69	7.01	0.60	3899	10.73	6.44	0.60	4141	9.93	5.96	0.60	4298
32	26	8.70	4.18	0.48	1203	8.70	4.18	0.48	1317	8.70	4.18	0.48	1431	9.67	4.64	0.48	1507	9.67	4.64	0.48	1659	14.70	7.06	0.48	3215	14.07	6.75	0.48	3380	13.53	6.49	0.48	3536	13.01	6.24	0.48	3699	12.27	5.89	0.48	3939	11.27	5.41	0.48	4183	10.42	5.00	0.48	4342

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-5.0UFE1NH+RAS-5.0UFESNH1

CAPACITY: 12.50 kW SHF: 0.70 INPUT: 4380 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	8.69	4.52	0.52	1206	8.69	4.52	0.52	1338	8.69	4.52	0.52	1469	9.65	5.02	0.52	1557	9.65	5.02	0.52	1732	14.68	7.63	0.52	3558	14.04	7.30	0.52	3742	13.50	7.02	0.52	3914	12.99	6.75	0.52	4094
21	20	9.13	3.65	0.40	1246	9.13	3.65	0.40	1378	9.13	3.65	0.40	1509	10.14	4.06	0.40	1597	10.14	4.06	0.40	1772	15.43	6.17	0.40	3591	14.76	5.90	0.40	3776	14.19	5.68	0.40	3950	13.65	5.46	0.40	4132
22	18	8.69	4.86	0.56	1206	8.69	4.86	0.56	1338	8.69	4.86	0.56	1469	9.65	5.40	0.56	1557	9.65	5.40	0.56	1732	14.68	8.22	0.56	3558	14.04	7.86	0.56	3742	13.50	7.56	0.56	3914	12.99	7.27	0.56	4094
22	20	9.13	4.02	0.44	1246	9.13	4.02	0.44	1378	9.13	4.02	0.44	1509	10.14	4.46	0.44	1597	10.14	4.46	0.44	1772	15.43	6.79	0.44	3591	14.76	6.49	0.44	3776	14.19	6.25	0.44	3950	13.65	6.00	0.44	4132
22	22	9.68	3.10	0.32	1285	9.68	3.10	0.32	1417	9.68	3.10	0.32	1548	10.75	3.44	0.32	1636	10.75	3.44	0.32	1811	16.35	5.23	0.32	3623	15.65	5.01	0.32	3809	15.05	4.81	0.32	3985	14.47	4.63	0.32	4168
23	18	8.69	5.21	0.60	1206	8.69	5.21	0.60	1338	8.69	5.21	0.60	1469	9.65	5.79	0.60	1557	9.65	5.79	0.60	1732	14.68	8.81	0.60	3558	14.04	8.43	0.60	3742	13.50	8.10	0.60	3914	12.99	7.79	0.60	4094
23	20	9.13	4.38	0.48	1246	9.13	4.38	0.48	1378	9.13	4.38	0.48	1509	10.14	4.87	0.48	1597	10.14	4.87	0.48	1772	15.43	7.40	0.48	3591	14.76	7.09	0.48	3776	14.19	6.81	0.48	3950	13.65	6.55	0.48	4132
23	22	9.68	3.48	0.36	1285	9.68	3.48	0.36	1417	9.68	3.48	0.36	1548	10.75	3.87	0.36	1636	10.75	3.87	0.36	1811	16.35	5.89	0.36	3623	15.65	5.63	0.36	3809	15.05	5.42	0.36	3985	14.47	5.21	0.36	4168
24	18	8.69	5.56	0.64	1206	8.69	5.56	0.64	1338	8.69	5.56	0.64	1469	9.65	6.17	0.64	1557	9.65	6.17	0.64	1732	14.68	9.39	0.64	3558	14.04	8.99	0.64	3742	13.50	8.64	0.64	3914	12.99	8.31	0.64	4094
24	20	9.13	4.75	0.52	1246	9.13	4.75	0.52	1378	9.13	4.75	0.52	1509	10.14	5.27	0.52	1597	10.14	5.27	0.52	1772	15.43	8.02	0.52	3591	14.76	7.68	0.52	3776	14.19	7.38	0.52	3950	13.65	7.10	0.52	4132
24	22	9.68	3.87	0.40	1285	9.68	3.87	0.40	1417	9.68	3.87	0.40	1548	10.75	4.30	0.40	1636	10.75	4.30	0.40	1811	16.35	6.54	0.40	3623	15.65	6.26	0.40	3809	15.05	6.02	0.40	3985	14.47	5.79	0.40	4168
24	24	10.26	2.87	0.28	1325	10.26	2.87	0.28	1457	10.26	2.87	0.28	1588	11.39	3.19	0.28	1676	11.39	3.19	0.28	1851	17.33	4.85	0.28	3655	16.59	4.64	0.28	3844	15.95	4.47	0.28	4021	15.33	4.29	0.28	4206
25	18	8.69	5.91	0.68	1206	8.69	5.91	0.68	1338	8.69	5.91	0.68	1469	9.65	6.56	0.68	1557	9.65	6.56	0.68	1732	14.68	9.98	0.68	3558	14.04	9.55	0.68	3742	13.50	9.18	0.68	3914	12.99	8.83	0.68	4094
25	20	9.13	5.11	0.56	1246	9.13	5.11	0.56	1378	9.13	5.11	0.56	1509	10.14	5.68	0.56	1597	10.14	5.68	0.56	1772	15.43	8.64	0.56	3591	14.76	8.27	0.56	3776	14.19	7.95	0.56	3950	13.65	7.64	0.56	4132
25	22	9.68	4.26	0.44	1285	9.68	4.26	0.44	1417	9.68	4.26	0.44	1548	10.75	4.73	0.44	1636	10.75	4.73	0.44	1811	16.35	7.19	0.44	3623	15.65	6.88	0.44	3809	15.05	6.62	0.44	3985	14.47	6.37	0.44	4168
25	24	10.26	3.28	0.32	1325	10.26	3.28	0.32	1457	10.26	3.28	0.32	1588	11.39	3.65	0.32	1676	11.39	3.65	0.32	1851	17.33	5.55	0.32	3655	16.59	5.31	0.32	3844	15.95	5.10	0.32	4021	15.33	4.91	0.32	4206
26	18	8.69	6.25	0.72	1206	8.69	6.25	0.72	1338	8.69	6.25	0.72	1469	9.65	6.95	0.72	1557	9.65	6.95	0.72	1732	14.68	10.57	0.72	3558	14.04	10.11	0.72	3742	13.50	9.72	0.72	3914	12.99	9.35	0.72	4094
26	20	9.13	5.48	0.60	1246	9.13	5.48	0.60	1378	9.13	5.48	0.60	1509	10.14	6.08	0.60	1597	10.14	6.08	0.60	1772	15.43	9.26	0.60	3591	14.76	8.86	0.60	3776	14.19	8.52	0.60	3950	13.65	8.19	0.60	4132
26	22	9.68	4.64	0.48	1285	9.68	4.64	0.48	1417	9.68	4.64	0.48	1548	10.75	5.16	0.48	1636	10.75	5.16	0.48	1811	16.35	7.85	0.48	3623	15.65	7.51	0.48	3809	15.05	7.22	0.48	3985	14.47	6.94	0.48	4168
26	24	10.26	3.69	0.36	1325	10.26	3.69	0.36	1457	10.26	3.69	0.36	1588	11.39	4.10	0.36	1676	11.39	4.10	0.36	1851	17.33	6.24	0.36	3655	16.59	5.97	0.36	3844	15.95	5.74	0.36	4021	15.33	5.52	0.36	4206
26	26	10.77	2.58	0.24	1365	10.77	2.58	0.24	1497	10.77	2.58	0.24	1628	11.96	2.87	0.24	1716	11.96	2.87	0.24	1891	18.20	4.37	0.24	3688	17.41	4.18	0.24	3878	16.75	4.02	0.24	4057	16.10	3.86	0.24	4243
27	18	8.69	6.60	0.76	1206	8.69	6.60	0.76	1338	8.69	6.60	0.76	1469	9.65	7.33	0.76	1557	9.65	7.33	0.76	1732	14.68	11.15	0.76	3558	14.04	10.67	0.76	3742	13.50	10.26	0.76	3914	12.99	9.87	0.76	4094
27	19	8.86	6.20	0.70	1226	8.86	6.20	0.70	1358	8.86	6.20	0.70	1489	9.84	6.89	0.70	1577	9.84	6.89	0.70	1752	14.98	10.48	0.70	3575	14.33	10.03	0.70	3759	13.78	9.65	0.70	3932	13.25	9.28	0.70	4113
27	20	9.13	5.84	0.64	1246	9.13	5.84	0.64	1378	9.13	5.84	0.64	1509	10.14	6.49	0.64	1597	10.14	6.49	0.64	1772	15.43	9.87	0.64	3591	14.76	9.45	0.64	3776	14.19	9.08	0.64	3950	13.65	8.73	0.64	4132
27	22	9.68	5.03	0.52	1285	9.68	5.03	0.52	1417	9.68	5.03	0.52	1548	10.75	5.59	0.52	1636	10.75	5.59	0.52	1811	16.35	8.50	0.52	3623	15.65	8.14	0.52	3809	15.05	7.82	0.52	3985	14.47	7.52	0.52	4168
27	24	10.26	4.10	0.40	1325	10.26	4.10	0.40	1457	10.26	4.10	0.40	1588	11.39	4.56	0.40	1676	11.39	4.56	0.40	1851	17.33	6.93	0.40	3655	16.59	6.63	0.40	3844	15.95	6.38	0.40	4021	15.33	6.13	0.40	4206
27	26	10.77	3.02	0.28	1365	10.77	3.02	0.28	1497	10.77	3.02	0.28	1628	11.96	3.35	0.28	1716	11.96	3.35	0.28	1891	18.20	5.10	0.28	3688	17.41	4.88	0.28	3878	16.75	4.69	0.28	4057	16.10	4.51	0.28	4243
28	18	8.69	6.95	0.80	1206	8.69	6.95	0.80	1338	8.69	6.95	0.80	1469	9.65	7.72	0.80	1557	9.65	7.72	0.80	1732	14.68	11.74	0.80	3558	14.04	11.24	0.80	3742	13.50	10.80	0.80	3914	12.99	10.39	0.80	4094
28	20	9.13	6.21	0.68	1246	9.13	6.21	0.68	1378	9.13	6.21	0.68	1509	10.14	6.89	0.68	1597	10.14	6.89	0.68	1772	15.43	10.49	0.68	3591	14.76	10.04	0.68	3776	14.19	9.65	0.68	3950	13.65	9.28	0.68	4132
28	22	9.68	5.42	0.56	1285	9.68	5.42	0.56	1417	9.68	5.42	0.56	1548	10.75	6.02	0.56	1636	10.75	6.02	0.56	1811	16.35	9.16	0.56	3623	15.65	8.76	0.56	3809	15.05	8.43	0.56	3985	14.47	8.10	0.56	4168

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
21	18	12.25	6.37	0.52	4360	11.25	5.85	0.52	4630	10.40	5.41	0.52	4806																						
21	20	12.88	5.15	0.40	4400	11.82	4.73	0.40	4673	10.93	4.37	0.40	4850																						
22	18	12.25	6.86	0.56	4360	11.25	6.30	0.56	4630	10.40	5.83	0.56	4806																						
22	20	12.88	5.67	0.44	4400	11.82	5.20	0.44	4673	10.93	4.81	0.44	4850																						
22	22	13.65	4.37	0.32	4439	12.53	4.01	0.32	4714	11.59	3.71	0.32	4893																						
23	18	12.25	7.35	0.60	4360	11.25	6.75	0.60	4630	10.40	6.24	0.60	4806																						
23	20	12.88	6.18	0.48	4400	11.82	5.67	0.48	4673	10.93	5.25	0.48	4850																						
23	22	13.65	4.91	0.36	4439	12.53	4.51	0.36	4714	11.59	4.17	0.36	4893																						
24	18	12.25	7.84	0.64	4360	11.25	7.20	0.64	4630	10.40	6.66	0.64	4806																						
24	20	12.88	6.70	0.52	4400	11.82	6.15	0.52	4673	10.93	5.69	0.52	4850																						
24	22	13.65	5.46	0.40	4439	12.53	5.01	0.40	4714	11.59	4.64	0.40	4893																						
24	24	14.47	4.05	0.28	4479	13.28	3.72	0.28	4757	12.28	3.44	0.28	4937																						
25	18	12.25	8.33	0.68	4360	11.25	7.65	0.68	4630	10.40	7.07	0.68	4806																						
25	20	12.88	7.21	0.56	4400	11.82	6.62	0.56	4673	10.93	6.12	0.56	4850																						
25	22	13.65	6.00	0.44	4439	12.53	5.51	0.44	4714	11.59	5.10	0.44	4893																						
25	24	14.47	4.63	0.32	4479	13.28	4.25	0.32	4757	12.28	3.93	0.32	4937																						
26	18	12.25	8.82	0.72	4360	11.25	8.10	0.72	4630	10.40	7.49	0.72	4806																						
26	20	12.88	7.73	0.60	4400	11.82	7.09	0.60	4673	10.93	6.56	0.60	4850																						
26	22	13.65	6.55	0.48	4439	12.53	6.01	0.48	4714	11.59	5.56	0.48	4893																						
26	24	14.47	5.21	0.36	4479	13.28	4.78	0.36	4757	12.28	4.42	0.36	4937																						
26	26	15.19	3.65	0.24	4519	13.94	3.35	0.24	4799	12.90	3.10	0.24	4982																						
27	18	12.25	9.31	0.76	4360	11.25	8.55	0.76	4630	10.40	7.91	0.76	4806																						
27	19	12.50	8.75	0.70	4380	11.48	8.03	0.70	4652	10.61	7.43	0.70	4828																						
27	20	12.88	8.24	0.64	4400	11.82	7.56	0.64	4673	10.93	7.00	0.64	4850																						
27	22	13.65	7.10	0.52	4439	12.53	6.51	0.52	4714	11.59	6.03	0.52	4893																						
27	24	14.47	5.79	0.40	4479	13.28	5.31	0.40	4757	12.28	4.91	0.40	4937																						
27	26	15.19	4.25	0.28	4519	13.94	3.90	0.28	4799	12.90	3.61	0.28	4982																						
28	18	12.25	9.80	0.80	4360	11.25	9.00	0.80	4630	10.40	8.32	0.80	4806																						
28	20	12.88	8.76	0.68	4400	11.82	8.04	0.68	4673	10.93	7.43	0.68	4850																						
28	22	13.65	7.64	0.56	4439	12.53	7.02	0.56	4714	11.59	6.49	0.56	4893																						

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-5.0UFE1NH+RAS-5.0UFESNH1

CAPACITY: 12.50 kW SHF: 0.70 INPUT: 4380 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	10.26	4.51	0.44	1325	10.26	4.51	0.44	1457	10.26	4.51	0.44	1588	11.39	5.01	0.44	1676	11.39	5.01	0.44	1851	17.33	7.63	0.44	3655	16.59	7.30	0.44	3844	15.95	7.02	0.44	4021	15.33	6.75	0.44	4206
28	26	10.77	3.45	0.32	1365	10.77	3.45	0.32	1497	10.77	3.45	0.32	1628	11.96	3.83	0.32	1716	11.96	3.83	0.32	1891	18.20	5.82	0.32	3688	17.41	5.57	0.32	3878	16.75	5.36	0.32	4057	16.10	5.15	0.32	4243
29	18	8.69	7.12	0.82	1206	8.69	7.12	0.82	1338	8.69	7.12	0.82	1469	9.65	7.91	0.82	1557	9.65	7.91	0.82	1732	14.68	12.03	0.82	3558	14.04	11.52	0.82	3742	13.50	11.07	0.82	3914	12.99	10.65	0.82	4094
29	20	9.13	6.57	0.72	1246	9.13	6.57	0.72	1378	9.13	6.57	0.72	1509	10.14	7.30	0.72	1597	10.14	7.30	0.72	1772	15.43	11.11	0.72	3591	14.76	10.63	0.72	3776	14.19	10.22	0.72	3950	13.65	9.83	0.72	4132
29	22	9.68	5.81	0.60	1285	9.68	5.81	0.60	1417	9.68	5.81	0.60	1548	10.75	6.45	0.60	1636	10.75	6.45	0.60	1811	16.35	9.81	0.60	3623	15.65	9.39	0.60	3809	15.05	9.03	0.60	3985	14.47	8.68	0.60	4168
29	24	10.26	4.92	0.48	1325	10.26	4.92	0.48	1457	10.26	4.92	0.48	1588	11.39	5.47	0.48	1676	11.39	5.47	0.48	1851	17.33	8.32	0.48	3655	16.59	7.96	0.48	3844	15.95	7.65	0.48	4021	15.33	7.36	0.48	4206
29	26	10.77	3.88	0.36	1365	10.77	3.88	0.36	1497	10.77	3.88	0.36	1628	11.96	4.31	0.36	1716	11.96	4.31	0.36	1891	18.20	6.55	0.36	3688	17.41	6.27	0.36	3878	16.75	6.03	0.36	4057	16.10	5.80	0.36	4243
30	18	8.69	7.12	0.82	1206	8.69	7.12	0.82	1338	8.69	7.12	0.82	1469	9.65	7.91	0.82	1557	9.65	7.91	0.82	1732	14.68	12.03	0.82	3558	14.04	11.52	0.82	3742	13.50	11.07	0.82	3914	12.99	10.65	0.82	4094
30	20	9.13	6.94	0.76	1246	9.13	6.94	0.76	1378	9.13	6.94	0.76	1509	10.14	7.71	0.76	1597	10.14	7.71	0.76	1772	15.43	11.72	0.76	3591	14.76	11.22	0.76	3776	14.19	10.79	0.76	3950	13.65	10.37	0.76	4132
30	22	9.68	6.19	0.64	1285	9.68	6.19	0.64	1417	9.68	6.19	0.64	1548	10.75	6.88	0.64	1636	10.75	6.88	0.64	1811	16.35	10.46	0.64	3623	15.65	10.01	0.64	3809	15.05	9.63	0.64	3985	14.47	9.26	0.64	4168
30	24	10.26	5.33	0.52	1325	10.26	5.33	0.52	1457	10.26	5.33	0.52	1588	11.39	5.92	0.52	1676	11.39	5.92	0.52	1851	17.33	9.01	0.52	3655	16.59	8.62	0.52	3844	15.95	8.29	0.52	4021	15.33	7.97	0.52	4206
30	26	10.77	4.31	0.40	1365	10.77	4.31	0.40	1497	10.77	4.31	0.40	1628	11.96	4.78	0.40	1716	11.96	4.78	0.40	1891	18.20	7.28	0.40	3688	17.41	6.97	0.40	3878	16.75	6.70	0.40	4057	16.10	6.44	0.40	4243
31	18	8.69	7.12	0.82	1206	8.69	7.12	0.82	1338	8.69	7.12	0.82	1469	9.65	7.91	0.82	1557	9.65	7.91	0.82	1732	14.68	12.03	0.82	3558	14.04	11.52	0.82	3742	13.50	11.07	0.82	3914	12.99	10.65	0.82	4094
31	20	9.13	7.30	0.80	1246	9.13	7.30	0.80	1378	9.13	7.30	0.80	1509	10.14	8.11	0.80	1597	10.14	8.11	0.80	1772	15.43	12.34	0.80	3591	14.76	11.81	0.80	3776	14.19	11.35	0.80	3950	13.65	10.92	0.80	4132
31	22	9.68	6.58	0.68	1285	9.68	6.58	0.68	1417	9.68	6.58	0.68	1548	10.75	7.31	0.68	1636	10.75	7.31	0.68	1811	16.35	11.12	0.68	3623	15.65	10.64	0.68	3809	15.05	10.23	0.68	3985	14.47	9.84	0.68	4168
31	24	10.26	5.74	0.56	1325	10.26	5.74	0.56	1457	10.26	5.74	0.56	1588	11.39	6.38	0.56	1676	11.39	6.38	0.56	1851	17.33	9.71	0.56	3655	16.59	9.29	0.56	3844	15.95	8.93	0.56	4021	15.33	8.59	0.56	4206
31	26	10.77	4.74	0.44	1365	10.77	4.74	0.44	1497	10.77	4.74	0.44	1628	11.96	5.26	0.44	1716	11.96	5.26	0.44	1891	18.20	8.01	0.44	3688	17.41	7.66	0.44	3878	16.75	7.37	0.44	4057	16.10	7.08	0.44	4243
32	18	8.69	7.12	0.82	1206	8.69	7.12	0.82	1338	8.69	7.12	0.82	1469	9.65	7.91	0.82	1557	9.65	7.91	0.82	1732	14.68	12.03	0.82	3558	14.04	11.52	0.82	3742	13.50	11.07	0.82	3914	12.99	10.65	0.82	4094
32	20	9.13	7.49	0.82	1246	9.13	7.49	0.82	1378	9.13	7.49	0.82	1509	10.14	8.31	0.82	1597	10.14	8.31	0.82	1772	15.43	12.65	0.82	3591	14.76	12.10	0.82	3776	14.19	11.64	0.82	3950	13.65	11.19	0.82	4132
32	22	9.68	6.97	0.72	1285	9.68	6.97	0.72	1417	9.68	6.97	0.72	1548	10.75	7.74	0.72	1636	10.75	7.74	0.72	1811	16.35	11.77	0.72	3623	15.65	11.27	0.72	3809	15.05	10.83	0.72	3985	14.47	10.42	0.72	4168
32	24	10.26	6.15	0.60	1325	10.26	6.15	0.60	1457	10.26	6.15	0.60	1588	11.39	6.84	0.60	1676	11.39	6.84	0.60	1851	17.33	10.40	0.60	3655	16.59	9.95	0.60	3844	15.95	9.57	0.60	4021	15.33	9.20	0.60	4206
32	26	10.77	5.17	0.48	1365	10.77	5.17	0.48	1497	10.77	5.17	0.48	1628	11.96	5.74	0.48	1716	11.96	5.74	0.48	1891	18.20	8.74	0.48	3688	17.41	8.36	0.48	3878	16.75	8.04	0.48	4057	16.10	7.73	0.48	4243

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		30				35				40				48																					
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																		
28	24	15.33	6.75	0.44	4206	14.47	6.37	0.44	4479	13.28	5.84	0.44	4757	12.28	5.41	0.44	4937																		
28	26	16.10	5.15	0.32	4243	15.19	4.86	0.32	4519	13.94	4.46	0.32	4799	12.90	4.13	0.32	4982																		
29	18	12.99	10.65	0.82	4094	12.25	10.05	0.82	4360	11.25	9.22	0.82	4630	10.40	8.53	0.82	4806																		
29	20	13.65	9.83	0.72	4132	12.88	9.27	0.72	4400	11.82	8.51	0.72	4673	10.93	7.87	0.72	4850																		
29	22	14.47	8.68	0.60	4168	13.65	8.19	0.60	4439	12.53	7.52	0.60	4714	11.59	6.95	0.60	4893																		
29	24	15.33	7.36	0.48	4206	14.47	6.94	0.48	4479	13.28	6.37	0.48	4757	12.28	5.90	0.48	4937																		
29	26	16.10	5.80	0.36	4243	15.19	5.47	0.36	4519	13.94	5.02	0.36	4799	12.90	4.64	0.36	4982																		
30	18	12.99	10.65	0.82	4094	12.25	10.05	0.82	4360	11.25	9.22	0.82	4630	10.40	8.53	0.82	4806																		
30	20	13.65	10.37	0.76	4132	12.88	9.79	0.76	4400	11.82	8.98	0.76	4673	10.93	8.31	0.76	4850																		
30	22	14.47	9.26	0.64	4168	13.65	8.73	0.64	4439	12.53	8.02	0.64	4714	11.59	7.42	0.64	4893																		
30	24	15.33	7.97	0.52	4206	14.47	7.52	0.52	4479	13.28	6.91	0.52	4757	12.28	6.39	0.52	4937																		
30	26	16.10	6.44	0.40	4243	15.19	6.08	0.40	4519	13.94	5.58	0.40	4799	12.90	5.16	0.40	4982																		
31	18	12.99	10.65	0.82	4094	12.25	10.05	0.82	4360	11.25	9.22	0.82	4630	10.40	8.53	0.82	4806																		
31	20	13.65	10.92	0.80	4132	12.88	10.30	0.80	4400	11.82	9.46	0.80	4673	10.93	8.75	0.80	4850																		
31	22	14.47	9.84	0.68	4168	13.65	9.28	0.68	4439	12.53	8.52	0.68	4714	11.59	7.88	0.68	4893																		
31	24	15.33	8.59	0.56	4206	14.47	8.10	0.56	4479	13.28	7.44	0.56	4757	12.28	6.88	0.56	4937																		
31	26	16.10	7.08	0.44	4243	15.19	6.68	0.44	4519	13.94	6.14	0.44	4799	12.90	5.68	0.44	4982																		
32	18	12.99	10.65	0.82	4094	12.25	10.05	0.82	4360	11.25	9.22	0.82	4630	10.40	8.53	0.82	4806																		
32	20	13.65	11.19	0.82	4132	12.88	10.56	0.82	4400	11.82	9.69	0.82	4673	10.93	8.96	0.82	4850																		
32	22	14.47	10.42	0.72	4168	13.65	9.83	0.72	4439	12.53	9.02	0.72	4714	11.59	8.34	0.72	4893																		
32	24	15.33	9.20	0.60	4206	14.47	8.68	0.60	4479	13.28	7.97	0.60	4757	12.28	7.37	0.60	4937																		
32	26	16.10	7.73	0.48	4243	15.19	7.29	0.48	4519	13.94	6.69	0.48	4799	12.90	6.19	0.48	4982																		

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-5.0UFE1NH+RAS-5.0UFESMH1

CAPACITY: 12.10 kW SHF: 0.70 INPUT: 4220 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	8.41	4.37	0.52	1162	8.41	4.37	0.52	1288	8.41	4.37	0.52	1415	9.34	4.86	0.52	1499	9.34	4.86	0.52	1668	14.21	7.39	0.52	3428	13.60	7.07	0.52	3604	13.07	6.80	0.52	3770	12.57	6.54	0.52	3944
21	20	8.84	3.53	0.40	1202	8.84	3.53	0.40	1328	8.84	3.53	0.40	1455	9.81	3.93	0.40	1539	9.81	3.93	0.40	1708	14.93	5.97	0.40	3460	14.29	5.72	0.40	3639	13.74	5.50	0.40	3806	13.21	5.28	0.40	3981
22	18	8.41	4.71	0.56	1162	8.41	4.71	0.56	1288	8.41	4.71	0.56	1415	9.34	5.23	0.56	1499	9.34	5.23	0.56	1668	14.21	7.96	0.56	3428	13.60	7.61	0.56	3604	13.07	7.32	0.56	3770	12.57	7.04	0.56	3944
22	20	8.84	3.89	0.44	1202	8.84	3.89	0.44	1328	8.84	3.89	0.44	1455	9.81	4.32	0.44	1539	9.81	4.32	0.44	1708	14.93	6.57	0.44	3460	14.29	6.29	0.44	3639	13.74	6.05	0.44	3806	13.21	5.81	0.44	3981
22	22	9.37	3.00	0.32	1241	9.37	3.00	0.32	1367	9.37	3.00	0.32	1494	10.40	3.33	0.32	1578	10.40	3.33	0.32	1747	15.83	5.06	0.32	3492	15.15	4.85	0.32	3672	14.56	4.66	0.32	3841	14.00	4.48	0.32	4018
23	18	8.41	5.04	0.60	1162	8.41	5.04	0.60	1288	8.41	5.04	0.60	1415	9.34	5.60	0.60	1499	9.34	5.60	0.60	1668	14.21	8.52	0.60	3428	13.60	8.16	0.60	3604	13.07	7.84	0.60	3770	12.57	7.54	0.60	3944
23	20	8.84	4.24	0.48	1202	8.84	4.24	0.48	1328	8.84	4.24	0.48	1455	9.81	4.71	0.48	1539	9.81	4.71	0.48	1708	14.93	7.17	0.48	3460	14.29	6.86	0.48	3639	13.74	6.59	0.48	3806	13.21	6.34	0.48	3981
23	22	9.37	3.37	0.36	1241	9.37	3.37	0.36	1367	9.37	3.37	0.36	1494	10.40	3.75	0.36	1578	10.40	3.75	0.36	1747	15.83	5.70	0.36	3492	15.15	5.45	0.36	3672	14.56	5.24	0.36	3841	14.00	5.04	0.36	4018
24	18	8.41	5.38	0.64	1162	8.41	5.38	0.64	1288	8.41	5.38	0.64	1415	9.34	5.98	0.64	1499	9.34	5.98	0.64	1668	14.21	9.09	0.64	3428	13.60	8.70	0.64	3604	13.07	8.37	0.64	3770	12.57	8.04	0.64	3944
24	20	8.84	4.59	0.52	1202	8.84	4.59	0.52	1328	8.84	4.59	0.52	1455	9.81	5.10	0.52	1539	9.81	5.10	0.52	1708	14.93	7.76	0.52	3460	14.29	7.43	0.52	3639	13.74	7.14	0.52	3806	13.21	6.87	0.52	3981
24	22	9.37	3.75	0.40	1241	9.37	3.75	0.40	1367	9.37	3.75	0.40	1494	10.40	4.16	0.40	1578	10.40	4.16	0.40	1747	15.83	6.33	0.40	3492	15.15	6.06	0.40	3672	14.56	5.83	0.40	3841	14.00	5.60	0.40	4018
24	24	9.93	2.78	0.28	1281	9.93	2.78	0.28	1407	9.93	2.78	0.28	1534	11.03	3.09	0.28	1618	11.03	3.09	0.28	1787	16.78	4.70	0.28	3525	16.05	4.50	0.28	3707	15.44	4.32	0.28	3877	14.84	4.16	0.28	4056
25	18	8.41	5.72	0.68	1162	8.41	5.72	0.68	1288	8.41	5.72	0.68	1415	9.34	6.35	0.68	1499	9.34	6.35	0.68	1668	14.21	9.66	0.68	3428	13.60	9.24	0.68	3604	13.07	8.89	0.68	3770	12.57	8.55	0.68	3944
25	20	8.84	4.95	0.56	1202	8.84	4.95	0.56	1328	8.84	4.95	0.56	1455	9.81	5.50	0.56	1539	9.81	5.50	0.56	1708	14.93	8.36	0.56	3460	14.29	8.00	0.56	3639	13.74	7.69	0.56	3806	13.21	7.40	0.56	3981
25	22	9.37	4.12	0.44	1241	9.37	4.12	0.44	1367	9.37	4.12	0.44	1494	10.40	4.58	0.44	1578	10.40	4.58	0.44	1747	15.83	6.96	0.44	3492	15.15	6.66	0.44	3672	14.56	6.41	0.44	3841	14.00	6.16	0.44	4018
25	24	9.93	3.18	0.32	1281	9.93	3.18	0.32	1407	9.93	3.18	0.32	1534	11.03	3.53	0.32	1618	11.03	3.53	0.32	1787	16.78	5.37	0.32	3525	16.05	5.14	0.32	3707	15.44	4.94	0.32	3877	14.84	4.75	0.32	4056
26	18	8.41	6.05	0.72	1162	8.41	6.05	0.72	1288	8.41	6.05	0.72	1415	9.34	6.72	0.72	1499	9.34	6.72	0.72	1668	14.21	10.23	0.72	3428	13.60	9.79	0.72	3604	13.07	9.41	0.72	3770	12.57	9.05	0.72	3944
26	20	8.84	5.30	0.60	1202	8.84	5.30	0.60	1328	8.84	5.30	0.60	1455	9.81	5.89	0.60	1539	9.81	5.89	0.60	1708	14.93	8.96	0.60	3460	14.29	8.57	0.60	3639	13.74	8.24	0.60	3806	13.21	7.93	0.60	3981
26	22	9.37	4.50	0.48	1241	9.37	4.50	0.48	1367	9.37	4.50	0.48	1494	10.40	4.99	0.48	1578	10.40	4.99	0.48	1747	15.83	7.60	0.48	3492	15.15	7.27	0.48	3672	14.56	6.99	0.48	3841	14.00	6.72	0.48	4018
26	24	9.93	3.57	0.36	1281	9.93	3.57	0.36	1407	9.93	3.57	0.36	1534	11.03	3.97	0.36	1618	11.03	3.97	0.36	1787	16.78	6.04	0.36	3525	16.05	5.78	0.36	3707	15.44	5.56	0.36	3877	14.84	5.34	0.36	4056
26	26	10.42	2.50	0.24	1321	10.42	2.50	0.24	1447	10.42	2.50	0.24	1574	11.58	2.78	0.24	1658	11.58	2.78	0.24	1827	17.62	4.23	0.24	3558	16.86	4.05	0.24	3741	16.21	3.89	0.24	3913	15.59	3.74	0.24	4093
27	18	8.41	6.39	0.76	1162	8.41	6.39	0.76	1288	8.41	6.39	0.76	1415	9.34	7.10	0.76	1499	9.34	7.10	0.76	1668	14.21	10.80	0.76	3428	13.60	10.33	0.76	3604	13.07	9.93	0.76	3770	12.57	9.55	0.76	3944
27	19	8.58	6.01	0.70	1182	8.58	6.01	0.70	1308	8.58	6.01	0.70	1435	9.53	6.67	0.70	1519	9.53	6.67	0.70	1688	14.50	10.15	0.70	3444	13.87	9.71	0.70	3622	13.34	9.34	0.70	3788	12.83	8.98	0.70	3963
27	20	8.84	5.66	0.64	1202	8.84	5.66	0.64	1328	8.84	5.66	0.64	1455	9.81	6.28	0.64	1539	9.81	6.28	0.64	1708	14.93	9.56	0.64	3460	14.29	9.14	0.64	3639	13.74	8.79	0.64	3806	13.21	8.45	0.64	3981
27	22	9.37	4.87	0.52	1241	9.37	4.87	0.52	1367	9.37	4.87	0.52	1494	10.40	5.41	0.52	1578	10.40	5.41	0.52	1747	15.83	8.23	0.52	3492	15.15	7.88	0.52	3672	14.56	7.57	0.52	3841	14.00	7.28	0.52	4018
27	24	9.93	3.97	0.40	1281	9.93	3.97	0.40	1407	9.93	3.97	0.40	1534	11.03	4.41	0.40	1618	11.03	4.41	0.40	1787	16.78	6.71	0.40	3525	16.05	6.42	0.40	3707	15.44	6.17	0.40	3877	14.84	5.94	0.40	4056
27	26	10.42	2.92	0.28	1321	10.42	2.92	0.28	1447	10.42	2.92	0.28	1574	11.58	3.24	0.28	1658	11.58	3.24	0.28	1827	17.62	4.93	0.28	3558	16.86	4.72	0.28	3741	16.21	4.54	0.28	3913	15.59	4.36	0.28	4093
28	18	8.41	6.73	0.80	1162	8.41	6.73	0.80	1288	8.41	6.73	0.80	1415	9.34	7.47	0.80	1499	9.34	7.47	0.80	1668	14.21	11.37	0.80	3428	13.60	10.88	0.80	3604	13.07	10.46	0.80	3770	12.57	10.06	0.80	3944
28	20	8.84	6.01	0.68	1202	8.84	6.01	0.68	1328	8.84	6.01	0.68	1455	9.81	6.67	0.68	1539	9.81	6.67	0.68	1708	14.93	10.15	0.68	3460	14.29	9.72	0.68	3639	13.74	9.34	0.68	3806	13.21	8.98	0.68	3981
28	22	9.37	5.25	0.56	1241	9.37	5.25	0.56	1367	9.37	5.25	0.56	1494	10.40	5.83	0.56	1578	10.40	5.83	0.56	1747	15.83	8.86	0.56	3492	15.15	8.48	0.56	3672	14.56	8.16	0.56	3841	14.00	7.84	0.56	4018

INDOOR DB (°C)	INDOOR WB (°C)	35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	11.86	6.17	0.52	4200	10.89	5.66	0.52	4460	10.07	5.24	0.52	4630
21	20	12.46	4.99	0.40	4240	11.44	4.58	0.40	4503	10.58	4.23	0.40	4674
22	18	11.86	6.64	0.56	4200	10.89	6.10	0.56	4460	10.07	5.64	0.56	4630
22	20	12.46	5.48	0.44	4240	11.44	5.03	0.44	4503	10.58	4.66	0.44	4674
22	22	13.21	4.23	0.32	4279	12.13	3.88	0.32	4544	11.22	3.59	0.32	4717
23	18	11.86	7.11	0.60	4200	10.89	6.53	0.60	4460	10.07	6.04	0.60	4630
23	20	12.46	5.98	0.48	4240	11.44	5.49	0.48	4503	10.58	5.08	0.48	4674
23	22	13.21	4.76	0.36	4279	12.13	4.37	0.36	4544	11.22	4.04	0.36	4717
24	18	11.86	7.59	0.64	4200	10.89	6.97	0.64	4460	10.07	6.44	0.64	4630
24	20	12.46	6.48	0.52	4240	11.44	5.95	0.52	4503	10.58	5.50	0.52	4674
24	22	13.21	5.28	0.40	4279	12.13	4.85	0.40	4544	11.22	4.49	0.40	4717
24	24	14.00	3.92	0.28	4319	12.86	3.60	0.28	4587	11.89	3.33	0.28	4761
25	18	11.86	8.06	0.68	4200	10.89	7.40	0.68	4460	10.07	6.85	0.68	4630
25	20	12.46	6.98	0.56	4240	11.44	6.41	0.56	4503	10.58	5.93	0.56	4674
25	22	13.21	5.81	0.44	4279	12.13	5.34	0.44	4544	11.22	4.94	0.44	4717
25	24	14.00	4.48	0.32	4319	12.86	4.11	0.32	4587	11.89	3.81	0.32	4761
26	18	11.86	8.54	0.72	4200	10.89	7.84	0.72	4460	10.07	7.25	0.72	4630
26	20	12.46	7.48	0.60	4240	11.44	6.86	0.60	4503	10.58	6.35	0.60	4674
26	22	13.21	6.34	0.48	4279	12.13	5.82	0.48	4544	11.22	5.38	0.48	4717
26	24	14.00	5.04	0.36	4319	12.86	4.63	0.36	4587	11.89	4.28	0.36	4761
26	26	14.70	3.53	0.24	4359	13.50	3.24	0.24	4629	12.49	3.00	0.24	4805
27	18	11.86	9.01	0.76	4200	10.89	8.27	0.76	4460	10.07	7.65	0.76	4630
27	19	12.10	8.47	0.70	4220	11.11	7.78	0.70	4482	10.27	7.19	0.70	4652
27	20	12.46	7.98	0.64	4240	11.44	7.32	0.64	4503	10.58	6.77	0.64	4674
27	22	13.21	6.87	0.52	4279	12.13	6.31	0.52	4544	11.22	5.83	0.52	4717
27	24	14.00	5.60	0.40	4319	12.86	5.14	0.40	4587	11.89	4.76	0.40	4761
27	26	14.70	4.12	0.28	4359	13.50	3.78	0.28	4629	12.49	3.50	0.28	4805
28	18	11.86	9.49	0.80	4200	10.89	8.71	0.80	4460	10.07	8.06	0.80	4630
28	20	12.46	8.47	0.68	4240	11.44	7.78	0.68	4503	10.58	7.20	0.68	4674
28	22	13.21	7.40	0.56	4279	12.13	6.79	0.56	4544	11.22	6.28	0.56	4717

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-5.0UFE1NH+RAS-5.0UFESMH1

CAPACITY: 12.10 kW SHF: 0.70 INPUT: 4220 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	9.93	4.37	0.44	1281	9.93	4.37	0.44	1407	9.93	4.37	0.44	1534	11.03	4.85	0.44	1618	11.03	4.85	0.44	1787	16.78	7.38	0.44	3525	16.05	7.06	0.44	3707	15.44	6.79	0.44	3877	14.84	6.53	0.44	4056
28	26	10.42	3.34	0.32	1321	10.42	3.34	0.32	1447	10.42	3.34	0.32	1574	11.58	3.71	0.32	1658	11.58	3.71	0.32	1827	17.62	5.64	0.32	3558	16.86	5.39	0.32	3741	16.21	5.19	0.32	3913	15.59	4.99	0.32	4093
29	18	8.41	6.89	0.82	1162	8.41	6.89	0.82	1288	8.41	6.89	0.82	1415	9.34	7.66	0.82	1499	9.34	7.66	0.82	1668	14.21	11.65	0.82	3428	13.60	11.15	0.82	3604	13.07	10.72	0.82	3770	12.57	10.31	0.82	3944
29	20	8.84	6.36	0.72	1202	8.84	6.36	0.72	1328	8.84	6.36	0.72	1455	9.81	7.07	0.72	1539	9.81	7.07	0.72	1708	14.93	10.75	0.72	3460	14.29	10.29	0.72	3639	13.74	9.89	0.72	3806	13.21	9.51	0.72	3981
29	22	9.37	5.62	0.60	1241	9.37	5.62	0.60	1367	9.37	5.62	0.60	1494	10.40	6.24	0.60	1578	10.40	6.24	0.60	1747	15.83	9.50	0.60	3492	15.15	9.09	0.60	3672	14.56	8.74	0.60	3841	14.00	8.40	0.60	4018
29	24	9.93	4.77	0.48	1281	9.93	4.77	0.48	1407	9.93	4.77	0.48	1534	11.03	5.29	0.48	1618	11.03	5.29	0.48	1787	16.78	8.05	0.48	3525	16.05	7.71	0.48	3707	15.44	7.41	0.48	3877	14.84	7.12	0.48	4056
29	26	10.42	3.75	0.36	1321	10.42	3.75	0.36	1447	10.42	3.75	0.36	1574	11.58	4.17	0.36	1658	11.58	4.17	0.36	1827	17.62	6.34	0.36	3558	16.86	6.07	0.36	3741	16.21	5.84	0.36	3913	15.59	5.61	0.36	4093
30	18	8.41	6.89	0.82	1162	8.41	6.89	0.82	1288	8.41	6.89	0.82	1415	9.34	7.66	0.82	1499	9.34	7.66	0.82	1668	14.21	11.65	0.82	3428	13.60	11.15	0.82	3604	13.07	10.72	0.82	3770	12.57	10.31	0.82	3944
30	20	8.84	6.72	0.76	1202	8.84	6.72	0.76	1328	8.84	6.72	0.76	1455	9.81	7.46	0.76	1539	9.81	7.46	0.76	1708	14.93	11.35	0.76	3460	14.29	10.86	0.76	3639	13.74	10.44	0.76	3806	13.21	10.04	0.76	3981
30	22	9.37	5.99	0.64	1241	9.37	5.99	0.64	1367	9.37	5.99	0.64	1494	10.40	6.66	0.64	1578	10.40	6.66	0.64	1747	15.83	10.13	0.64	3492	15.15	9.69	0.64	3672	14.56	9.32	0.64	3841	14.00	8.96	0.64	4018
30	24	9.93	5.16	0.52	1281	9.93	5.16	0.52	1407	9.93	5.16	0.52	1534	11.03	5.73	0.52	1618	11.03	5.73	0.52	1787	16.78	8.72	0.52	3525	16.05	8.35	0.52	3707	15.44	8.03	0.52	3877	14.84	7.72	0.52	4056
30	26	10.42	4.17	0.40	1321	10.42	4.17	0.40	1447	10.42	4.17	0.40	1574	11.58	4.63	0.40	1658	11.58	4.63	0.40	1827	17.62	7.05	0.40	3558	16.86	6.74	0.40	3741	16.21	6.48	0.40	3913	15.59	6.23	0.40	4093
31	18	8.41	6.89	0.82	1162	8.41	6.89	0.82	1288	8.41	6.89	0.82	1415	9.34	7.66	0.82	1499	9.34	7.66	0.82	1668	14.21	11.65	0.82	3428	13.60	11.15	0.82	3604	13.07	10.72	0.82	3770	12.57	10.31	0.82	3944
31	20	8.84	7.07	0.80	1202	8.84	7.07	0.80	1328	8.84	7.07	0.80	1455	9.81	7.85	0.80	1539	9.81	7.85	0.80	1708	14.93	11.95	0.80	3460	14.29	11.43	0.80	3639	13.74	10.99	0.80	3806	13.21	10.57	0.80	3981
31	22	9.37	6.37	0.68	1241	9.37	6.37	0.68	1367	9.37	6.37	0.68	1494	10.40	7.07	0.68	1578	10.40	7.07	0.68	1747	15.83	10.76	0.68	3492	15.15	10.30	0.68	3672	14.56	9.90	0.68	3841	14.00	9.52	0.68	4018
31	24	9.93	5.56	0.56	1281	9.93	5.56	0.56	1407	9.93	5.56	0.56	1534	11.03	6.18	0.56	1618	11.03	6.18	0.56	1787	16.78	9.40	0.56	3525	16.05	8.99	0.56	3707	15.44	8.64	0.56	3877	14.84	8.31	0.56	4056
31	26	10.42	4.59	0.44	1321	10.42	4.59	0.44	1447	10.42	4.59	0.44	1574	11.58	5.09	0.44	1658	11.58	5.09	0.44	1827	17.62	7.75	0.44	3558	16.86	7.42	0.44	3741	16.21	7.13	0.44	3913	15.59	6.86	0.44	4093
32	18	8.41	6.89	0.82	1162	8.41	6.89	0.82	1288	8.41	6.89	0.82	1415	9.34	7.66	0.82	1499	9.34	7.66	0.82	1668	14.21	11.65	0.82	3428	13.60	11.15	0.82	3604	13.07	10.72	0.82	3770	12.57	10.31	0.82	3944
32	20	8.84	7.25	0.82	1202	8.84	7.25	0.82	1328	8.84	7.25	0.82	1455	9.81	8.05	0.82	1539	9.81	8.05	0.82	1708	14.93	12.24	0.82	3460	14.29	11.72	0.82	3639	13.74	11.27	0.82	3806	13.21	10.83	0.82	3981
32	22	9.37	6.74	0.72	1241	9.37	6.74	0.72	1367	9.37	6.74	0.72	1494	10.40	7.49	0.72	1578	10.40	7.49	0.72	1747	15.83	11.40	0.72	3492	15.15	10.91	0.72	3672	14.56	10.49	0.72	3841	14.00	10.08	0.72	4018
32	24	9.93	5.96	0.60	1281	9.93	5.96	0.60	1407	9.93	5.96	0.60	1534	11.03	6.62	0.60	1618	11.03	6.62	0.60	1787	16.78	10.07	0.60	3525	16.05	9.63	0.60	3707	15.44	9.26	0.60	3877	14.84	8.91	0.60	4056
32	26	10.42	5.00	0.48	1321	10.42	5.00	0.48	1447	10.42	5.00	0.48	1574	11.58	5.56	0.48	1658	11.58	5.56	0.48	1827	17.62	8.46	0.48	3558	16.86	8.09	0.48	3741	16.21	7.78	0.48	3913	15.59	7.48	0.48	4093

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
28	24	14.00	6.16	0.44	4319	12.86	5.66	0.44	4587	11.89	5.23	0.44	4761																						
28	26	14.70	4.71	0.32	4359	13.50	4.32	0.32	4629	12.49	4.00	0.32	4805																						
29	18	11.86	9.72	0.82	4200	10.89	8.93	0.82	4460	10.07	8.26	0.82	4630																						
29	20	12.46	8.97	0.72	4240	11.44	8.24	0.72	4503	10.58	7.62	0.72	4674																						
29	22	13.21	7.93	0.60	4279	12.13	7.28	0.60	4544	11.22	6.73	0.60	4717																						
29	24	14.00	6.72	0.48	4319	12.86	6.17	0.48	4587	11.89	5.71	0.48	4761																						
29	26	14.70	5.29	0.36	4359	13.50	4.86	0.36	4629	12.49	4.49	0.36	4805																						
30	18	11.86	9.72	0.82	4200	10.89	8.93	0.82	4460	10.07	8.26	0.82	4630																						
30	20	12.46	9.47	0.76	4240	11.44	8.70	0.76	4503	10.58	8.04	0.76	4674																						
30	22	13.21	8.45	0.64	4279	12.13	7.76	0.64	4544	11.22	7.18	0.64	4717																						
30	24	14.00	7.28	0.52	4319	12.86	6.68	0.52	4587	11.89	6.18	0.52	4761																						
30	26	14.70	5.88	0.40	4359	13.50	5.40	0.40	4629	12.49	4.99	0.40	4805																						
31	18	11.86	9.72	0.82	4200	10.89	8.93	0.82	4460	10.07	8.26	0.82	4630																						
31	20	12.46	9.97	0.80	4240	11.44	9.15	0.80	4503	10.58	8.47	0.80	4674																						
31	22	13.21	8.98	0.68	4279	12.13	8.25	0.68	4544	11.22	7.63	0.68	4717																						
31	24	14.00	7.84	0.56	4319	12.86	7.20	0.56	4587	11.89	6.66	0.56	4761																						
31	26	14.70	6.47	0.44	4359	13.50	5.94	0.44	4629	12.49	5.49	0.44	4805																						
32	18	11.86	9.72	0.82	4200	10.89	8.93	0.82	4460	10.07	8.26	0.82	4630																						
32	20	12.46	10.22	0.82	4240	11.44	9.38	0.82	4503	10.58	8.68	0.82	4674																						
32	22	13.21	9.51	0.72	4279	12.13	8.73	0.72	4544	11.22	8.08	0.72	4717																						
32	24	14.00	8.40	0.60	4319	12.86	7.71	0.60	4587	11.89	7.13	0.60	4761																						
32	26	14.70	7.06	0.48	4359	13.50	6.48	0.48	4629	12.49	5.99	0.48	4805																						

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-6.0UFE1NH+RAS-6.0UFESNH1

CAPACITY: 14.10 kW SHF: 0.75 INPUT: 4780 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	9.80	5.58	0.57	1318	9.80	5.58	0.57	1462	9.80	5.58	0.57	1605	10.88	6.20	0.57	1701	10.88	6.20	0.57	1892	16.56	9.44	0.57	3885	15.84	9.03	0.57	4085	15.23	8.68	0.57	4273	14.65	8.35	0.57	4470
21	20	10.30	4.63	0.45	1358	10.30	4.63	0.45	1502	10.30	4.63	0.45	1645	11.44	5.15	0.45	1741	11.44	5.15	0.45	1932	17.40	7.83	0.45	3917	16.65	7.49	0.45	4119	16.01	7.20	0.45	4309	15.39	6.93	0.45	4507
22	18	9.80	5.98	0.61	1318	9.80	5.98	0.61	1462	9.80	5.98	0.61	1605	10.88	6.64	0.61	1701	10.88	6.64	0.61	1892	16.56	10.10	0.61	3885	15.84	9.66	0.61	4085	15.23	9.29	0.61	4273	14.65	8.93	0.61	4470
22	20	10.30	5.05	0.49	1358	10.30	5.05	0.49	1502	10.30	5.05	0.49	1645	11.44	5.60	0.49	1741	11.44	5.60	0.49	1932	17.40	8.53	0.49	3917	16.65	8.16	0.49	4119	16.01	7.84	0.49	4309	15.39	7.54	0.49	4507
22	22	10.91	4.04	0.37	1397	10.91	4.04	0.37	1541	10.91	4.04	0.37	1684	12.12	4.49	0.37	1780	12.12	4.49	0.37	1971	18.44	6.82	0.37	3949	17.65	6.53	0.37	4153	16.97	6.28	0.37	4344	16.32	6.04	0.37	4544
23	18	9.80	6.37	0.65	1318	9.80	6.37	0.65	1462	9.80	6.37	0.65	1605	10.88	7.07	0.65	1701	10.88	7.07	0.65	1892	16.56	10.76	0.65	3885	15.84	10.30	0.65	4085	15.23	9.90	0.65	4273	14.65	9.52	0.65	4470
23	20	10.30	5.46	0.53	1358	10.30	5.46	0.53	1502	10.30	5.46	0.53	1645	11.44	6.06	0.53	1741	11.44	6.06	0.53	1932	17.40	9.22	0.53	3917	16.65	8.82	0.53	4119	16.01	8.49	0.53	4309	15.39	8.16	0.53	4507
23	22	10.91	4.47	0.41	1397	10.91	4.47	0.41	1541	10.91	4.47	0.41	1684	12.12	4.97	0.41	1780	12.12	4.97	0.41	1971	18.44	7.56	0.41	3949	17.65	7.24	0.41	4153	16.97	6.96	0.41	4344	16.32	6.69	0.41	4544
24	18	9.80	6.76	0.69	1318	9.80	6.76	0.69	1462	9.80	6.76	0.69	1605	10.88	7.51	0.69	1701	10.88	7.51	0.69	1892	16.56	11.42	0.69	3885	15.84	10.93	0.69	4085	15.23	10.51	0.69	4273	14.65	10.11	0.69	4470
24	20	10.30	5.87	0.57	1358	10.30	5.87	0.57	1502	10.30	5.87	0.57	1645	11.44	6.52	0.57	1741	11.44	6.52	0.57	1932	17.40	9.92	0.57	3917	16.65	9.49	0.57	4119	16.01	9.13	0.57	4309	15.39	8.77	0.57	4507
24	22	10.91	4.91	0.45	1397	10.91	4.91	0.45	1541	10.91	4.91	0.45	1684	12.12	5.46	0.45	1780	12.12	5.46	0.45	1971	18.44	8.30	0.45	3949	17.65	7.94	0.45	4153	16.97	7.64	0.45	4344	16.32	7.34	0.45	4544
24	24	11.57	3.82	0.33	1437	11.57	3.82	0.33	1581	11.57	3.82	0.33	1724	12.85	4.24	0.33	1820	12.85	4.24	0.33	2011	19.55	6.45	0.33	3982	18.71	6.17	0.33	4187	17.99	5.94	0.33	4380	17.30	5.71	0.33	4581
25	18	9.80	7.15	0.73	1318	9.80	7.15	0.73	1462	9.80	7.15	0.73	1605	10.88	7.94	0.73	1701	10.88	7.94	0.73	1892	16.56	12.09	0.73	3885	15.84	11.56	0.73	4085	15.23	11.12	0.73	4273	14.65	10.69	0.73	4470
25	20	10.30	6.28	0.61	1358	10.30	6.28	0.61	1502	10.30	6.28	0.61	1645	11.44	6.98	0.61	1741	11.44	6.98	0.61	1932	17.40	10.61	0.61	3917	16.65	10.16	0.61	4119	16.01	9.77	0.61	4309	15.39	9.39	0.61	4507
25	22	10.91	5.35	0.49	1397	10.91	5.35	0.49	1541	10.91	5.35	0.49	1684	12.12	5.94	0.49	1780	12.12	5.94	0.49	1971	18.44	9.04	0.49	3949	17.65	8.65	0.49	4153	16.97	8.32	0.49	4344	16.32	8.00	0.49	4544
25	24	11.57	4.28	0.37	1437	11.57	4.28	0.37	1581	11.57	4.28	0.37	1724	12.85	4.75	0.37	1820	12.85	4.75	0.37	2011	19.55	7.23	0.37	3982	18.71	6.92	0.37	4187	17.99	6.66	0.37	4380	17.30	6.40	0.37	4581
26	18	9.80	7.54	0.77	1318	9.80	7.54	0.77	1462	9.80	7.54	0.77	1605	10.88	8.38	0.77	1701	10.88	8.38	0.77	1892	16.56	12.75	0.77	3885	15.84	12.20	0.77	4085	15.23	11.73	0.77	4273	14.65	11.28	0.77	4470
26	20	10.30	6.69	0.65	1358	10.30	6.69	0.65	1502	10.30	6.69	0.65	1645	11.44	7.43	0.65	1741	11.44	7.43	0.65	1932	17.40	11.31	0.65	3917	16.65	10.82	0.65	4119	16.01	10.41	0.65	4309	15.39	10.01	0.65	4507
26	22	10.91	5.78	0.53	1397	10.91	5.78	0.53	1541	10.91	5.78	0.53	1684	12.12	6.43	0.53	1780	12.12	6.43	0.53	1971	18.44	9.78	0.53	3949	17.65	9.35	0.53	4153	16.97	8.99	0.53	4344	16.32	8.65	0.53	4544
26	24	11.57	4.74	0.41	1437	11.57	4.74	0.41	1581	11.57	4.74	0.41	1724	12.85	5.27	0.41	1820	12.85	5.27	0.41	2011	19.55	8.02	0.41	3982	18.71	7.67	0.41	4187	17.99	7.38	0.41	4380	17.30	7.09	0.41	4581
26	26	12.15	3.52	0.29	1477	12.15	3.52	0.29	1621	12.15	3.52	0.29	1764	13.49	3.91	0.29	1860	13.49	3.91	0.29	2051	20.53	5.95	0.29	4015	19.64	5.70	0.29	4221	18.89	5.48	0.29	4416	18.16	5.27	0.29	4619
27	18	9.80	7.94	0.81	1318	9.80	7.94	0.81	1462	9.80	7.94	0.81	1605	10.88	8.81	0.81	1701	10.88	8.81	0.81	1892	16.56	13.41	0.81	3885	15.84	12.83	0.81	4085	15.23	12.34	0.81	4273	14.65	11.86	0.81	4470
27	19	10.00	7.50	0.75	1338	10.00	7.50	0.75	1482	10.00	7.50	0.75	1625	11.10	8.33	0.75	1721	11.10	8.33	0.75	1912	16.89	12.67	0.75	3901	16.17	12.12	0.75	4102	15.54	11.66	0.75	4291	14.95	11.21	0.75	4488
27	20	10.30	7.10	0.69	1358	10.30	7.10	0.69	1502	10.30	7.10	0.69	1645	11.44	7.89	0.69	1741	11.44	7.89	0.69	1932	17.40	12.01	0.69	3917	16.65	11.49	0.69	4119	16.01	11.05	0.69	4309	15.39	10.62	0.69	4507
27	22	10.91	6.22	0.57	1397	10.91	6.22	0.57	1541	10.91	6.22	0.57	1684	12.12	6.91	0.57	1780	12.12	6.91	0.57	1971	18.44	10.51	0.57	3949	17.65	10.06	0.57	4153	16.97	9.67	0.57	4344	16.32	9.30	0.57	4544
27	24	11.57	5.21	0.45	1437	11.57	5.21	0.45	1581	11.57	5.21	0.45	1724	12.85	5.78	0.45	1820	12.85	5.78	0.45	2011	19.55	8.80	0.45	3982	18.71	8.42	0.45	4187	17.99	8.10	0.45	4380	17.30	7.78	0.45	4581
27	26	12.15	4.01	0.33	1477	12.15	4.01	0.33	1621	12.15	4.01	0.33	1764	13.49	4.45	0.33	1860	13.49	4.45	0.33	2051	20.53	6.77	0.33	4015	19.64	6.48	0.33	4221	18.89	6.23	0.33	4416	18.16	5.99	0.33	4619
28	18	9.80	8.33	0.85	1318	9.80	8.33	0.85	1462	9.80	8.33	0.85	1605	10.88	9.25	0.85	1701	10.88	9.25	0.85	1892	16.56	14.07	0.85	3885	15.84	13.47	0.85	4085	15.23	12.95	0.85	4273	14.65	12.45	0.85	4470
28	20	10.30	7.52	0.73	1358	10.30	7.52	0.73	1502	10.30	7.52	0.73	1645	11.44	8.35	0.73	1741	11.44	8.35	0.73	1932	17.40	12.70	0.73	3917	16.65	12.15	0.73	4119	16.01	11.69	0.73	4309	15.39	11.24	0.73	4507
28	22	10.91	6.66	0.61	1397	10.91	6.66	0.61	1541	10.91	6.66	0.61	1684	12.12	7.40	0.61	1780	12.12	7.40	0.61	1971	18.44	11.25	0.61	3949	17.65	10.77	0.61	4153	16.97	10.35	0.61	4344	16.32	9.95	0.61	4544

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	13.82	7.88	0.57	4760	12.68	7.23	0.57	5055	11.73	6.69	0.57	5247
21	20	14.52	6.54	0.45	4800	13.33	6.00	0.45	5098	12.33	5.55	0.45	5291
22	18	13.82	8.43	0.61	4760	12.68	7.74	0.61	5055	11.73	7.16	0.61	5247
22	20	14.52	7.12	0.49	4800	13.33	6.53	0.49	5098	12.33	6.04	0.49	5291
22	22	15.39	5.70	0.37	4839	14.13	5.23	0.37	5139	13.07	4.84	0.37	5334
23	18	13.82	8.98	0.65	4760	12.68	8.25	0.65	5055	11.73	7.63	0.65	5247
23	20	14.52	7.70	0.53	4800	13.33	7.07	0.53	5098	12.33	6.54	0.53	5291
23	22	15.39	6.31	0.41	4839	14.13	5.79	0.41	5139	13.07	5.36	0.41	5334
24	18	13.82	9.53	0.69	4760	12.68	8.75	0.69	5055	11.73	8.10	0.69	5247
24	20	14.52	8.28	0.57	4800	13.33	7.60	0.57	5098	12.33	7.03	0.57	5291
24	22	15.39	6.93	0.45	4839	14.13	6.36	0.45	5139	13.07	5.88	0.45	5334
24	24	16.32	5.38	0.33	4879	14.98	4.94	0.33	5181	13.86	4.57	0.33	5378
25	18	13.82	10.09	0.73	4760	12.68	9.26	0.73	5055	11.73	8.57	0.73	5247
25	20	14.52	8.86	0.61	4800	13.33	8.13	0.61	5098	12.33	7.52	0.61	5291
25	22	15.39	7.54	0.49	4839	14.13	6.92	0.49	5139	13.07	6.41	0.49	5334
25	24	16.32	6.04	0.37	4879	14.98	5.54	0.37	5181	13.86	5.13	0.37	5378
26	18	13.82	10.64	0.77	4760	12.68	9.77	0.77	5055	11.73	9.03	0.77	5247
26	20	14.52	9.44	0.65	4800	13.33	8.67	0.65	5098	12.33	8.02	0.65	5291
26	22	15.39	8.16	0.53	4839	14.13	7.49	0.53	5139	13.07	6.93	0.53	5334
26	24	16.32	6.69	0.41	4879	14.98	6.14	0.41	5181	13.86	5.68	0.41	5378
26	26	17.13	4.97	0.29	4919	15.73	4.56	0.29	5224	14.55	4.22	0.29	5422
27	18	13.82	11.19	0.81	4760	12.68	10.27	0.81	5055	11.73	9.50	0.81	5247
27	19	14.10	10.58	0.75	4780	12.94	9.71	0.75	5076	11.97	8.98	0.75	5269
27	20	14.52	10.02	0.69	4800	13.33	9.20	0.69	5098	12.33	8.51	0.69	5291
27	22	15.39	8.77	0.57	4839	14.13	8.06	0.57	5139	13.07	7.45	0.57	5334
27	24	16.32	7.34	0.45	4879	14.98	6.74	0.45	5181	13.86	6.24	0.45	5378
27	26	17.13	5.65	0.33	4919	15.73	5.19	0.33	5224	14.55	4.80	0.33	5422
28	18	13.82	11.75	0.85	4760	12.68	10.78	0.85	5055	11.73	9.97	0.85	5247
28	20	14.52	10.60	0.73	4800	13.33	9.73	0.73	5098	12.33	9.00	0.73	5291
28	22	15.39	9.39	0.61	4839	14.13	8.62	0.61	5139	13.07	7.97	0.61	5334

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-6.0UFE1NH+RAS-6.0UFESNH1

CAPACITY: 14.10 kW SHF: 0.75 INPUT: 4780 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	11.57	5.67	0.49	1437	11.57	5.67	0.49	1581	11.57	5.67	0.49	1724	12.85	6.30	0.49	1820	12.85	6.30	0.49	2011	19.55	9.58	0.49	3982	18.71	9.17	0.49	4187	17.99	8.81	0.49	4380	17.30	8.48	0.49	4581
28	26	12.15	4.49	0.37	1477	12.15	4.49	0.37	1621	12.15	4.49	0.37	1764	13.49	4.99	0.37	1860	13.49	4.99	0.37	2051	20.53	7.60	0.37	4015	19.64	7.27	0.37	4221	18.89	6.99	0.37	4416	18.16	6.72	0.37	4619
29	18	9.80	8.52	0.87	1318	9.80	8.52	0.87	1462	9.80	8.52	0.87	1605	10.88	9.47	0.87	1701	10.88	9.47	0.87	1892	16.56	14.40	0.87	3885	15.84	13.78	0.87	4085	15.23	13.25	0.87	4273	14.65	12.74	0.87	4470
29	20	10.30	7.93	0.77	1358	10.30	7.93	0.77	1502	10.30	7.93	0.77	1645	11.44	8.81	0.77	1741	11.44	8.81	0.77	1932	17.40	13.40	0.77	3917	16.65	12.82	0.77	4119	16.01	12.33	0.77	4309	15.39	11.85	0.77	4507
29	22	10.91	7.09	0.65	1397	10.91	7.09	0.65	1541	10.91	7.09	0.65	1684	12.12	7.88	0.65	1780	12.12	7.88	0.65	1971	18.44	11.99	0.65	3949	17.65	11.47	0.65	4153	16.97	11.03	0.65	4344	16.32	10.61	0.65	4544
29	24	11.57	6.13	0.53	1437	11.57	6.13	0.53	1581	11.57	6.13	0.53	1724	12.85	6.81	0.53	1820	12.85	6.81	0.53	2011	19.55	10.36	0.53	3982	18.71	9.92	0.53	4187	17.99	9.53	0.53	4380	17.30	9.17	0.53	4581
29	26	12.15	4.98	0.41	1477	12.15	4.98	0.41	1621	12.15	4.98	0.41	1764	13.49	5.53	0.41	1860	13.49	5.53	0.41	2051	20.53	8.42	0.41	4015	19.64	8.05	0.41	4221	18.89	7.74	0.41	4416	18.16	7.45	0.41	4619
30	18	9.80	8.52	0.87	1318	9.80	8.52	0.87	1462	9.80	8.52	0.87	1605	10.88	9.47	0.87	1701	10.88	9.47	0.87	1892	16.56	14.40	0.87	3885	15.84	13.78	0.87	4085	15.23	13.25	0.87	4273	14.65	12.74	0.87	4470
30	20	10.30	8.34	0.81	1358	10.30	8.34	0.81	1502	10.30	8.34	0.81	1645	11.44	9.26	0.81	1741	11.44	9.26	0.81	1932	17.40	14.09	0.81	3917	16.65	13.49	0.81	4119	16.01	12.97	0.81	4309	15.39	12.47	0.81	4507
30	22	10.91	7.53	0.69	1397	10.91	7.53	0.69	1541	10.91	7.53	0.69	1684	12.12	8.36	0.69	1780	12.12	8.36	0.69	1971	18.44	12.73	0.69	3949	17.65	12.18	0.69	4153	16.97	11.71	0.69	4344	16.32	11.26	0.69	4544
30	24	11.57	6.59	0.57	1437	11.57	6.59	0.57	1581	11.57	6.59	0.57	1724	12.85	7.32	0.57	1820	12.85	7.32	0.57	2011	19.55	11.14	0.57	3982	18.71	10.66	0.57	4187	17.99	10.25	0.57	4380	17.30	9.86	0.57	4581
30	26	12.15	5.47	0.45	1477	12.15	5.47	0.45	1621	12.15	5.47	0.45	1764	13.49	6.07	0.45	1860	13.49	6.07	0.45	2051	20.53	9.24	0.45	4015	19.64	8.84	0.45	4221	18.89	8.50	0.45	4416	18.16	8.17	0.45	4619
31	18	9.80	8.52	0.87	1318	9.80	8.52	0.87	1462	9.80	8.52	0.87	1605	10.88	9.47	0.87	1701	10.88	9.47	0.87	1892	16.56	14.40	0.87	3885	15.84	13.78	0.87	4085	15.23	13.25	0.87	4273	14.65	12.74	0.87	4470
31	20	10.30	8.75	0.85	1358	10.30	8.75	0.85	1502	10.30	8.75	0.85	1645	11.44	9.72	0.85	1741	11.44	9.72	0.85	1932	17.40	14.79	0.85	3917	16.65	14.15	0.85	4119	16.01	13.61	0.85	4309	15.39	13.09	0.85	4507
31	22	10.91	7.97	0.73	1397	10.91	7.97	0.73	1541	10.91	7.97	0.73	1684	12.12	8.85	0.73	1780	12.12	8.85	0.73	1971	18.44	13.46	0.73	3949	17.65	12.88	0.73	4153	16.97	12.39	0.73	4344	16.32	11.91	0.73	4544
31	24	11.57	7.06	0.61	1437	11.57	7.06	0.61	1581	11.57	7.06	0.61	1724	12.85	7.84	0.61	1820	12.85	7.84	0.61	2011	19.55	11.93	0.61	3982	18.71	11.41	0.61	4187	17.99	10.97	0.61	4380	17.30	10.55	0.61	4581
31	26	12.15	5.95	0.49	1477	12.15	5.95	0.49	1621	12.15	5.95	0.49	1764	13.49	6.61	0.49	1860	13.49	6.61	0.49	2051	20.53	10.06	0.49	4015	19.64	9.63	0.49	4221	18.89	9.26	0.49	4416	18.16	8.90	0.49	4619
32	18	9.80	8.52	0.87	1318	9.80	8.52	0.87	1462	9.80	8.52	0.87	1605	10.88	9.47	0.87	1701	10.88	9.47	0.87	1892	16.56	14.40	0.87	3885	15.84	13.78	0.87	4085	15.23	13.25	0.87	4273	14.65	12.74	0.87	4470
32	20	10.30	8.96	0.87	1358	10.30	8.96	0.87	1502	10.30	8.96	0.87	1645	11.44	9.95	0.87	1741	11.44	9.95	0.87	1932	17.40	15.14	0.87	3917	16.65	14.49	0.87	4119	16.01	13.93	0.87	4309	15.39	13.39	0.87	4507
32	22	10.91	8.40	0.77	1397	10.91	8.40	0.77	1541	10.91	8.40	0.77	1684	12.12	9.33	0.77	1780	12.12	9.33	0.77	1971	18.44	14.20	0.77	3949	17.65	13.59	0.77	4153	16.97	13.07	0.77	4344	16.32	12.56	0.77	4544
32	24	11.57	7.52	0.65	1437	11.57	7.52	0.65	1581	11.57	7.52	0.65	1724	12.85	8.35	0.65	1820	12.85	8.35	0.65	2011	19.55	12.71	0.65	3982	18.71	12.16	0.65	4187	17.99	11.69	0.65	4380	17.30	11.24	0.65	4581
32	26	12.15	6.44	0.53	1477	12.15	6.44	0.53	1621	12.15	6.44	0.53	1764	13.49	7.15	0.53	1860	13.49	7.15	0.53	2051	20.53	10.88	0.53	4015	19.64	10.41	0.53	4221	18.89	10.01	0.53	4416	18.16	9.63	0.53	4619

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
28	24	16.32	8.00	0.49	4879	14.98	7.34	0.49	5181	13.86	6.79	0.49	5378																						
28	26	17.13	6.34	0.37	4919	15.73	5.82	0.37	5224	14.55	5.38	0.37	5422																						
29	18	13.82	12.02	0.87	4760	12.68	11.04	0.87	5055	11.73	10.21	0.87	5247																						
29	20	14.52	11.18	0.77	4800	13.33	10.27	0.77	5098	12.33	9.50	0.77	5291																						
29	22	15.39	10.01	0.65	4839	14.13	9.19	0.65	5139	13.07	8.50	0.65	5334																						
29	24	16.32	8.65	0.53	4879	14.98	7.94	0.53	5181	13.86	7.34	0.53	5378																						
29	26	17.13	7.02	0.41	4919	15.73	6.45	0.41	5224	14.55	5.97	0.41	5422																						
30	18	13.82	12.02	0.87	4760	12.68	11.04	0.87	5055	11.73	10.21	0.87	5247																						
30	20	14.52	11.76	0.81	4800	13.33	10.80	0.81	5098	12.33	9.99	0.81	5291																						
30	22	15.39	10.62	0.69	4839	14.13	9.75	0.69	5139	13.07	9.02	0.69	5334																						
30	24	16.32	9.30	0.57	4879	14.98	8.54	0.57	5181	13.86	7.90	0.57	5378																						
30	26	17.13	7.71	0.45	4919	15.73	7.08	0.45	5224	14.55	6.55	0.45	5422																						
31	18	13.82	12.02	0.87	4760	12.68	11.04	0.87	5055	11.73	10.21	0.87	5247																						
31	20	14.52	12.34	0.85	4800	13.33	11.33	0.85	5098	12.33	10.48	0.85	5291																						
31	22	15.39	11.24	0.73	4839	14.13	10.32	0.73	5139	13.07	9.54	0.73	5334																						
31	24	16.32	9.95	0.61	4879	14.98	9.14	0.61	5181	13.86	8.45	0.61	5378																						
31	26	17.13	8.40	0.49	4919	15.73	7.71	0.49	5224	14.55	7.13	0.49	5422																						
32	18	13.82	12.02	0.87	4760	12.68	11.04	0.87	5055	11.73	10.21	0.87	5247																						
32	20	14.52	12.64	0.87	4800	13.33	11.60	0.87	5098	12.33	10.73	0.87	5291																						
32	22	15.39	11.85	0.77	4839	14.13	10.88	0.77	5139	13.07	10.07	0.77	5334																						
32	24	16.32	10.61	0.65	4879	14.98	9.74	0.65	5181	13.86	9.01	0.65	5378																						
32	26	17.13	9.08	0.53	4919	15.73	8.34	0.53	5224	14.55	7.71	0.53	5422																						

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-6.0UFE1NH+RAS-6.0UFESMH1

CAPACITY: 14.19 kW SHF: 0.75 INPUT: 4780 W

OUTDOOR DB (°C)

INDOOR DB (°C)	INDOOR WB (°C)	-15				-7				0				10			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	9.86	5.62	0.57	1318	9.86	5.62	0.57	1462	9.86	5.62	0.57	1605	10.95	6.24	0.57	1701
21	20	10.36	4.66	0.45	1358	10.36	4.66	0.45	1502	10.36	4.66	0.45	1645	11.51	5.18	0.45	1741
22	18	9.86	6.01	0.61	1318	9.86	6.01	0.61	1462	9.86	6.01	0.61	1605	10.95	6.68	0.61	1701
22	20	10.36	5.08	0.49	1358	10.36	5.08	0.49	1502	10.36	5.08	0.49	1645	11.51	5.64	0.49	1741
22	22	10.98	4.06	0.37	1397	10.98	4.06	0.37	1541	10.98	4.06	0.37	1684	12.20	4.51	0.37	1780
23	18	9.86	6.41	0.65	1318	9.86	6.41	0.65	1462	9.86	6.41	0.65	1605	10.95	7.12	0.65	1701
23	20	10.36	5.49	0.53	1358	10.36	5.49	0.53	1502	10.36	5.49	0.53	1645	11.51	6.10	0.53	1741
23	22	10.98	4.50	0.41	1397	10.98	4.50	0.41	1541	10.98	4.50	0.41	1684	12.20	5.00	0.41	1780
24	18	9.86	6.80	0.69	1318	9.86	6.80	0.69	1462	9.86	6.80	0.69	1605	10.95	7.56	0.69	1701
24	20	10.36	5.91	0.57	1358	10.36	5.91	0.57	1502	10.36	5.91	0.57	1645	11.51	6.56	0.57	1741
24	22	10.98	4.94	0.45	1397	10.98	4.94	0.45	1541	10.98	4.94	0.45	1684	12.20	5.49	0.45	1780
24	24	11.64	3.84	0.33	1437	11.64	3.84	0.33	1581	11.64	3.84	0.33	1724	12.93	4.27	0.33	1820
25	18	9.86	7.20	0.73	1318	9.86	7.20	0.73	1462	9.86	7.20	0.73	1605	10.95	7.99	0.73	1701
25	20	10.36	6.32	0.61	1358	10.36	6.32	0.61	1502	10.36	6.32	0.61	1645	11.51	7.02	0.61	1741
25	22	10.98	5.38	0.49	1397	10.98	5.38	0.49	1541	10.98	5.38	0.49	1684	12.20	5.98	0.49	1780
25	24	11.64	4.31	0.37	1437	11.64	4.31	0.37	1581	11.64	4.31	0.37	1724	12.93	4.79	0.37	1820
26	18	9.86	7.59	0.77	1318	9.86	7.59	0.77	1462	9.86	7.59	0.77	1605	10.95	8.43	0.77	1701
26	20	10.36	6.74	0.65	1358	10.36	6.74	0.65	1502	10.36	6.74	0.65	1645	11.51	7.48	0.65	1741
26	22	10.98	5.82	0.53	1397	10.98	5.82	0.53	1541	10.98	5.82	0.53	1684	12.20	6.47	0.53	1780
26	24	11.64	4.77	0.41	1437	11.64	4.77	0.41	1581	11.64	4.77	0.41	1724	12.93	5.30	0.41	1820
26	26	12.23	3.55	0.29	1477	12.23	3.55	0.29	1621	12.23	3.55	0.29	1764	13.58	3.94	0.29	1860
27	18	9.86	7.99	0.81	1318	9.86	7.99	0.81	1462	9.86	7.99	0.81	1605	10.95	8.87	0.81	1701
27	19	10.06	7.55	0.75	1338	10.06	7.55	0.75	1482	10.06	7.55	0.75	1625	11.17	8.38	0.75	1721
27	20	10.36	7.15	0.69	1358	10.36	7.15	0.69	1502	10.36	7.15	0.69	1645	11.51	7.94	0.69	1741
27	22	10.98	6.26	0.57	1397	10.98	6.26	0.57	1541	10.98	6.26	0.57	1684	12.20	6.95	0.57	1780
27	24	11.64	5.24	0.45	1437	11.64	5.24	0.45	1581	11.64	5.24	0.45	1724	12.93	5.82	0.45	1820
27	26	12.23	4.03	0.33	1477	12.23	4.03	0.33	1621	12.23	4.03	0.33	1764	13.58	4.48	0.33	1860
28	18	9.86	8.38	0.85	1318	9.86	8.38	0.85	1462	9.86	8.38	0.85	1605	10.95	9.31	0.85	1701
28	20	10.36	7.56	0.73	1358	10.36	7.56	0.73	1502	10.36	7.56	0.73	1645	11.51	8.40	0.73	1741
28	22	10.98	6.70	0.61	1397	10.98	6.70	0.61	1541	10.98	6.70	0.61	1684	12.20	7.44	0.61	1780

INDOOR DB (°C)	INDOOR WB (°C)	15				21				25				27			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	10.95	6.24	0.57	1892	16.66	9.50	0.57	3885	15.94	9.09	0.57	4085	15.33	8.74	0.57	4273
21	20	11.51	5.18	0.45	1932	17.51	7.88	0.45	3917	16.76	7.54	0.45	4119	16.11	7.25	0.45	4309
22	18	10.95	6.68	0.61	1892	16.66	10.16	0.61	3885	15.94	9.73	0.61	4085	15.33	9.35	0.61	4273
22	20	11.51	5.64	0.49	1932	17.51	8.58	0.49	3917	16.76	8.21	0.49	4119	16.11	7.90	0.49	4309
22	22	12.20	4.51	0.37	1971	18.56	6.87	0.37	3949	17.76	6.57	0.37	4153	17.08	6.32	0.37	4344
23	18	10.95	7.12	0.65	1892	16.66	10.83	0.65	3885	15.94	10.36	0.65	4085	15.33	9.96	0.65	4273
23	20	11.51	6.10	0.53	1932	17.51	9.28	0.53	3917	16.76	8.88	0.53	4119	16.11	8.54	0.53	4309
23	22	12.20	5.00	0.41	1971	18.56	7.61	0.41	3949	17.76	7.28	0.41	4153	17.08	7.00	0.41	4344
24	18	10.95	7.56	0.69	1892	16.66	11.50	0.69	3885	15.94	11.00	0.69	4085	15.33	10.58	0.69	4273
24	20	11.51	6.56	0.57	1932	17.51	9.98	0.57	3917	16.76	9.55	0.57	4119	16.11	9.18	0.57	4309
24	22	12.20	5.49	0.45	1971	18.56	8.35	0.45	3949	17.76	7.99	0.45	4153	17.08	7.69	0.45	4344
24	24	12.93	4.27	0.33	2011	19.68	6.49	0.33	3982	18.83	6.21	0.33	4187	18.10	5.97	0.33	4380
25	18	10.95	7.99	0.73	1892	16.66	12.16	0.73	3885	15.94	11.64	0.73	4085	15.33	11.19	0.73	4273
25	20	11.51	7.02	0.61	1932	17.51	10.68	0.61	3917	16.76	10.22	0.61	4119	16.11	9.83	0.61	4309
25	22	12.20	5.98	0.49	1971	18.56	9.10	0.49	3949	17.76	8.70	0.49	4153	17.08	8.37	0.49	4344
25	24	12.93	4.79	0.37	2011	19.68	7.28	0.37	3982	18.83	6.97	0.37	4187	18.10	6.70	0.37	4380
26	18	10.95	8.43	0.77	1892	16.66	12.83	0.77	3885	15.94	12.28	0.77	4085	15.33	11.80	0.77	4273
26	20	11.51	7.48	0.65	1932	17.51	11.38	0.65	3917	16.76	10.89	0.65	4119	16.11	10.47	0.65	4309
26	22	12.20	6.47	0.53	1971	18.56	9.84	0.53	3949	17.76	9.41	0.53	4153	17.08	9.05	0.53	4344
26	24	12.93	5.30	0.41	2011	19.68	8.07	0.41	3982	18.83	7.72	0.41	4187	18.10	7.42	0.41	4380
26	26	13.58	3.94	0.29	2051	20.66	5.99	0.29	4015	19.77	5.73	0.29	4221	19.01	5.51	0.29	4416
27	18	10.95	8.87	0.81	1892	16.66	13.50	0.81	3885	15.94	12.91	0.81	4085	15.33	12.42	0.81	4273
27	19	11.17	8.38	0.75	1912	17.00	12.75	0.75	3901	16.27	12.20	0.75	4102	15.64	11.73	0.75	4291
27	20	11.51	7.94	0.69	1932	17.51	12.08	0.69	3917	16.76	11.56	0.69	4119	16.11	11.12	0.69	4309
27	22	12.20	6.95	0.57	1971	18.56	10.58	0.57	3949	17.76	10.12	0.57	4153	17.08	9.74	0.57	4344
27	24	12.93	5.82	0.45	2011	19.68	8.85	0.45	3982	18.83	8.47	0.45	4187	18.10	8.15	0.45	4380
27	26	13.58	4.48	0.33	2051	20.66	6.82	0.33	4015	19.77	6.52	0.33	4221	19.01	6.27	0.33	4416
28	18	10.95	9.31	0.85	1892	16.66	14.16	0.85	3885	15.94	13.55	0.85	4085	15.33	13.03	0.85	4273
28	20	11.51	8.40	0.73	1932	17.51	12.78	0.73	3917	16.76	12.23	0.73	4119	16.11	11.76	0.73	4309
28	22	12.20	7.44	0.61	1971	18.56	11.32	0.61	3949	17.76	10.83	0.61	4153	17.08	10.42	0.61	4344

INDOOR DB (°C)	INDOOR WB (°C)	30				35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	14.74	8.40	0.57	4470	13.91	7.93	0.57	4760	12.77	7.28	0.57	5055	11.81	6.73	0.57	5247
21	20	15.49	6.97	0.45	4507	14.62	6.58	0.45	4800	13.42	6.04	0.45	5098	12.41	5.58	0.45	5291
22	18	14.74	8.99	0.61	4470	13.91	8.48	0.61	4760	12.77	7.79	0.61	5055	11.81	7.20	0.61	5247
22	20	15.49	7.59	0.49	4507	14.62	7.16	0.49	4800	13.42	6.57	0.49	5098	12.41	6.08	0.49	5291
22	22	16.42	6.08	0.37	4544	15.49	5.73	0.37	4839	14.22	5.26	0.37	5139	13.16	4.87	0.37	5334
23	18	14.74	9.58	0.65	4470	13.91	9.04	0.65	4760	12.77	8.30	0.65	5055	11.81	7.68	0.65	5247
23	20	15.49	8.21	0.53	4507	14.62	7.75	0.53	4800	13.42	7.11	0.53	5098	12.41	6.58	0.53	5291
23	22	16.42	6.73	0.41	4544	15.49	6.35	0.41	4839	14.22	5.83	0.41	5139	13.16	5.39	0.41	5334
24	18	14.74	10.17	0.69	4470	13.91	9.60	0.69	4760	12.77	8.81	0.69	5055	11.81	8.15	0.69	5247
24	20	15.49	8.83	0.57	4507	14.62	8.33	0.57	4800	13.42	7.65	0.57	5098	12.41	7.07	0.57	5291
24	22	16.42	7.39	0.45	4544	15.49	6.97	0.45	4839	14.22	6.40	0.45	5139	13.16	5.92	0.45	5334
24	24	17.41	5.74	0.33	4581	16.42	5.42	0.33	4879	15.08	4.97	0.33	5181	13.94	4.60	0.33	5378
25	18	14.74	10.76	0.73	4470	13.91	10.15	0.73	4760	12.77	9.32	0.73	5055	11.81	8.62	0.73	5247
25	20	15.49	9.45	0.61	4507	14.62	8.92	0.61	4800	13.42	8.18	0.61	5098	12.41	7.57	0.61	5291
25	22	16.42	8.05	0.49	4544	15.49	7.59	0.49	4839	14.22	6.97	0.49	5139	13.16	6.45	0.49	5334
25	24	17.41	6.44	0.37	4581	16.42	6.08	0.37	4879	15.08	5.58	0.37	5181	13.94	5.16	0.37	5378
26	18	14.74	11.35	0.77	4470	13.91	10.71	0.77	4760	12.77	9.83	0.77	5055	11.81	9.09	0.77	5247
26	20	15.49	10.07	0.65	4507	14.62	9.50	0.65	4800	13.42	8.72	0.65	5098	12.41	8.07	0.65	5291
26	22	16.42	8.70	0.53	4544	15.49	8.21	0.53	4839	14.22	7.54	0.53	5139	13.16	6.97	0.53	5334
26	24	17.41	7.14	0.41	4581	16.42	6.73	0.41	4879	15.08	6.18	0.41	5181	13.94	5.72	0.41	5378
26	26	18.28	5.30	0.29	4619	17.24	5.00	0.29	4919	15.83	4.59	0.29	5224	14.64	4.25	0.29	5422
27	18	14.74	11.94	0.81	4470	13.91	11.26	0.81	4760	12.77	10.34	0.81	5055	11.81	9.56	0.81	5247
27	19	15.04	11.28	0.75	4488	14.19	10.64	0.75	4780	13.03	9.77	0.75	5076	12.05	9.04	0.75	5269
27	20	15.49	10.69	0.69	4507	14.62	10.08	0.69	4800	13.42	9.26	0.69	5098	12.41	8.56	0.69	5291
27	22	16.42	9.36	0.57	4544	15.49	8.83	0.57	4839	14.22	8.11	0.57	5139	13.16	7.50	0.57	5334
27	24	17.41	7.83	0.45	4581	16.42	7.39	0.45	4879	15.08	6.78	0.45	5181	13.94	6.28	0.45	5378
27	26	18.28	6.03	0.33	4619	17.24	5.69	0.33	4919	15.83	5.22	0.33	5224	14.64	4.83	0.33	5422
28	18	14.74	12.53	0.85	4470	13.91	11.82	0.85	4760	12.77	10.85	0.85	5055	11.81	10.04	0.85	5247
28	20	15.49	11.31	0.73	4507	14.62	10.67	0.73	4800	13.42	9.79	0.73	5098	12.41	9.06	0.73	5291
28	22	16.42	10.02	0.61	4544	15.49	9.45	0.61	4839	14.22	8.68	0.61	5139	13.16	8.02	0.61	5334

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-6.0UFE1NH+RAS-6.0UFESMH1

CAPACITY: 14.19 kW SHF: 0.75 INPUT: 4780 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	11.64	5.71	0.49	1437	11.64	5.71	0.49	1581	11.64	5.71	0.49	1724	12.93	6.34	0.49	1820	12.93	6.34	0.49	2011	19.68	9.64	0.49	3982	18.83	9.23	0.49	4187	18.10	8.87	0.49	4380	17.41	8.53	0.49	4581
28	26	12.23	4.52	0.37	1477	12.23	4.52	0.37	1621	12.23	4.52	0.37	1764	13.58	5.02	0.37	1860	13.58	5.02	0.37	2051	20.66	7.64	0.37	4015	19.77	7.31	0.37	4221	19.01	7.03	0.37	4416	18.28	6.76	0.37	4619
29	18	9.86	8.58	0.87	1318	9.86	8.58	0.87	1462	9.86	8.58	0.87	1605	10.95	9.53	0.87	1701	10.95	9.53	0.87	1892	16.66	14.49	0.87	3885	15.94	13.87	0.87	4085	15.33	13.34	0.87	4273	14.74	12.82	0.87	4470
29	20	10.36	7.98	0.77	1358	10.36	7.98	0.77	1502	10.36	7.98	0.77	1645	11.51	8.86	0.77	1741	11.51	8.86	0.77	1932	17.51	13.48	0.77	3917	16.76	12.90	0.77	4119	16.11	12.41	0.77	4309	15.49	11.93	0.77	4507
29	22	10.98	7.14	0.65	1397	10.98	7.14	0.65	1541	10.98	7.14	0.65	1684	12.20	7.93	0.65	1780	12.20	7.93	0.65	1971	18.56	12.07	0.65	3949	17.76	11.55	0.65	4153	17.08	11.10	0.65	4344	16.42	10.67	0.65	4544
29	24	11.64	6.17	0.53	1437	11.64	6.17	0.53	1581	11.64	6.17	0.53	1724	12.93	6.85	0.53	1820	12.93	6.85	0.53	2011	19.68	10.43	0.53	3982	18.83	9.98	0.53	4187	18.10	9.60	0.53	4380	17.41	9.23	0.53	4581
29	26	12.23	5.01	0.41	1477	12.23	5.01	0.41	1621	12.23	5.01	0.41	1764	13.58	5.57	0.41	1860	13.58	5.57	0.41	2051	20.66	8.47	0.41	4015	19.77	8.11	0.41	4221	19.01	7.79	0.41	4416	18.28	7.49	0.41	4619
30	18	9.86	8.58	0.87	1318	9.86	8.58	0.87	1462	9.86	8.58	0.87	1605	10.95	9.53	0.87	1701	10.95	9.53	0.87	1892	16.66	14.49	0.87	3885	15.94	13.87	0.87	4085	15.33	13.34	0.87	4273	14.74	12.82	0.87	4470
30	20	10.36	8.39	0.81	1358	10.36	8.39	0.81	1502	10.36	8.39	0.81	1645	11.51	9.32	0.81	1741	11.51	9.32	0.81	1932	17.51	14.18	0.81	3917	16.76	13.57	0.81	4119	16.11	13.05	0.81	4309	15.49	12.55	0.81	4507
30	22	10.98	7.58	0.69	1397	10.98	7.58	0.69	1541	10.98	7.58	0.69	1684	12.20	8.42	0.69	1780	12.20	8.42	0.69	1971	18.56	12.81	0.69	3949	17.76	12.26	0.69	4153	17.08	11.78	0.69	4344	16.42	11.33	0.69	4544
30	24	11.64	6.64	0.57	1437	11.64	6.64	0.57	1581	11.64	6.64	0.57	1724	12.93	7.37	0.57	1820	12.93	7.37	0.57	2011	19.68	11.21	0.57	3982	18.83	10.73	0.57	4187	18.10	10.32	0.57	4380	17.41	9.92	0.57	4581
30	26	12.23	5.50	0.45	1477	12.23	5.50	0.45	1621	12.23	5.50	0.45	1764	13.58	6.11	0.45	1860	13.58	6.11	0.45	2051	20.66	9.30	0.45	4015	19.77	8.90	0.45	4221	19.01	8.55	0.45	4416	18.28	8.23	0.45	4619
31	18	9.86	8.58	0.87	1318	9.86	8.58	0.87	1462	9.86	8.58	0.87	1605	10.95	9.53	0.87	1701	10.95	9.53	0.87	1892	16.66	14.49	0.87	3885	15.94	13.87	0.87	4085	15.33	13.34	0.87	4273	14.74	12.82	0.87	4470
31	20	10.36	8.81	0.85	1358	10.36	8.81	0.85	1502	10.36	8.81	0.85	1645	11.51	9.78	0.85	1741	11.51	9.78	0.85	1932	17.51	14.88	0.85	3917	16.76	14.24	0.85	4119	16.11	13.70	0.85	4309	15.49	13.17	0.85	4507
31	22	10.98	8.02	0.73	1397	10.98	8.02	0.73	1541	10.98	8.02	0.73	1684	12.20	8.91	0.73	1780	12.20	8.91	0.73	1971	18.56	13.55	0.73	3949	17.76	12.97	0.73	4153	17.08	12.47	0.73	4344	16.42	11.99	0.73	4544
31	24	11.64	7.10	0.61	1437	11.64	7.10	0.61	1581	11.64	7.10	0.61	1724	12.93	7.89	0.61	1820	12.93	7.89	0.61	2011	19.68	12.00	0.61	3982	18.83	11.49	0.61	4187	18.10	11.04	0.61	4380	17.41	10.62	0.61	4581
31	26	12.23	5.99	0.49	1477	12.23	5.99	0.49	1621	12.23	5.99	0.49	1764	13.58	6.65	0.49	1860	13.58	6.65	0.49	2051	20.66	10.12	0.49	4015	19.77	9.69	0.49	4221	19.01	9.31	0.49	4416	18.28	8.96	0.49	4619
32	18	9.86	8.58	0.87	1318	9.86	8.58	0.87	1462	9.86	8.58	0.87	1605	10.95	9.53	0.87	1701	10.95	9.53	0.87	1892	16.66	14.49	0.87	3885	15.94	13.87	0.87	4085	15.33	13.34	0.87	4273	14.74	12.82	0.87	4470
32	20	10.36	9.02	0.87	1358	10.36	9.02	0.87	1502	10.36	9.02	0.87	1645	11.51	10.01	0.87	1741	11.51	10.01	0.87	1932	17.51	15.23	0.87	3917	16.76	14.58	0.87	4119	16.11	14.02	0.87	4309	15.49	13.48	0.87	4507
32	22	10.98	8.46	0.77	1397	10.98	8.46	0.77	1541	10.98	8.46	0.77	1684	12.20	9.39	0.77	1780	12.20	9.39	0.77	1971	18.56	14.29	0.77	3949	17.76	13.68	0.77	4153	17.08	13.15	0.77	4344	16.42	12.65	0.77	4544
32	24	11.64	7.57	0.65	1437	11.64	7.57	0.65	1581	11.64	7.57	0.65	1724	12.93	8.41	0.65	1820	12.93	8.41	0.65	2011	19.68	12.79	0.65	3982	18.83	12.24	0.65	4187	18.10	11.77	0.65	4380	17.41	11.31	0.65	4581
32	26	12.23	6.48	0.53	1477	12.23	6.48	0.53	1621	12.23	6.48	0.53	1764	13.58	7.20	0.53	1860	13.58	7.20	0.53	2051	20.66	10.95	0.53	4015	19.77	10.48	0.53	4221	19.01	10.07	0.53	4416	18.28	9.69	0.53	4619

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
28	24	16.42	8.05	0.49	4879	15.08	7.39	0.49	5181	13.94	6.83	0.49	5378																						
28	26	17.24	6.38	0.37	4919	15.83	5.86	0.37	5224	14.64	5.42	0.37	5422																						
29	18	13.91	12.10	0.87	4760	12.77	11.11	0.87	5055	11.81	10.27	0.87	5247																						
29	20	14.62	11.25	0.77	4800	13.42	10.33	0.77	5098	12.41	9.56	0.77	5291																						
29	22	15.49	10.07	0.65	4839	14.22	9.24	0.65	5139	13.16	8.55	0.65	5334																						
29	24	16.42	8.70	0.53	4879	15.08	7.99	0.53	5181	13.94	7.39	0.53	5378																						
29	26	17.24	7.07	0.41	4919	15.83	6.49	0.41	5224	14.64	6.00	0.41	5422																						
30	18	13.91	12.10	0.87	4760	12.77	11.11	0.87	5055	11.81	10.27	0.87	5247																						
30	20	14.62	11.84	0.81	4800	13.42	10.87	0.81	5098	12.41	10.05	0.81	5291																						
30	22	15.49	10.69	0.69	4839	14.22	9.81	0.69	5139	13.16	9.08	0.69	5334																						
30	24	16.42	9.36	0.57	4879	15.08	8.59	0.57	5181	13.94	7.95	0.57	5378																						
30	26	17.24	7.76	0.45	4919	15.83	7.12	0.45	5224	14.64	6.59	0.45	5422																						
31	18	13.91	12.10	0.87	4760	12.77	11.11	0.87	5055	11.81	10.27	0.87	5247																						
31	20	14.62	12.42	0.85	4800	13.42	11.40	0.85	5098	12.41	10.55	0.85	5291																						
31	22	15.49	11.31	0.73	4839	14.22	10.38	0.73	5139	13.16	9.60	0.73	5334																						
31	24	16.42	10.02	0.61	4879	15.08	9.20	0.61	5181	13.94	8.51	0.61	5378																						
31	26	17.24	8.45	0.49	4919	15.83	7.76	0.49	5224	14.64	7.17	0.49	5422																						
32	18	13.91	12.10	0.87	4760	12.77	11.11	0.87	5055	11.81	10.27	0.87	5247																						
32	20	14.62	12.72	0.87	4800	13.42	11.67	0.87	5098	12.41	10.80	0.87	5291																						
32	22	15.49	11.93	0.77	4839	14.22	10.95	0.77	5139	13.16	10.13	0.77	5334																						
32	24	16.42	10.67	0.65	4879	15.08	9.80	0.65	5181	13.94	9.06	0.65	5378																						
32	26	17.24	9.14	0.53	4919	15.83	8.39	0.53	5224	14.64	7.76	0.53	5422																						

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-6.5UFE1NH+RAS-6.5UFESMH1

CAPACITY: 17.10 kW SHF: 0.70 INPUT: 6600 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	11.88	6.18	0.52	1828	11.88	6.18	0.52	2026	11.88	6.18	0.52	2224	13.20	6.86	0.52	2356	13.20	6.86	0.52	2620	20.08	10.44	0.52	5370	19.21	9.99	0.52	5647	18.47	9.61	0.52	5907	17.76	9.24	0.52	6179
21	20	12.49	5.00	0.40	1868	12.49	5.00	0.40	2066	12.49	5.00	0.40	2264	13.87	5.55	0.40	2396	13.87	5.55	0.40	2660	21.10	8.44	0.40	5403	20.19	8.08	0.40	5681	19.42	7.77	0.40	5943	18.67	7.47	0.40	6216
22	18	11.88	6.65	0.56	1828	11.88	6.65	0.56	2026	11.88	6.65	0.56	2224	13.20	7.39	0.56	2356	13.20	7.39	0.56	2620	20.08	11.24	0.56	5370	19.21	10.76	0.56	5647	18.47	10.35	0.56	5907	17.76	9.95	0.56	6179
22	20	12.49	5.49	0.44	1868	12.49	5.49	0.44	2066	12.49	5.49	0.44	2264	13.87	6.10	0.44	2396	13.87	6.10	0.44	2660	21.10	9.28	0.44	5403	20.19	8.89	0.44	5681	19.42	8.54	0.44	5943	18.67	8.21	0.44	6216
22	22	13.24	4.24	0.32	1907	13.24	4.24	0.32	2105	13.24	4.24	0.32	2303	14.70	4.70	0.32	2435	14.70	4.70	0.32	2699	22.37	7.16	0.32	5435	21.40	6.85	0.32	5715	20.58	6.59	0.32	5978	19.79	6.33	0.32	6253
23	18	11.88	7.13	0.60	1828	11.88	7.13	0.60	2026	11.88	7.13	0.60	2224	13.20	7.92	0.60	2356	13.20	7.92	0.60	2620	20.08	12.05	0.60	5370	19.21	11.53	0.60	5647	18.47	11.08	0.60	5907	17.76	10.66	0.60	6179
23	20	12.49	5.99	0.48	1868	12.49	5.99	0.48	2066	12.49	5.99	0.48	2264	13.87	6.66	0.48	2396	13.87	6.66	0.48	2660	21.10	10.13	0.48	5403	20.19	9.69	0.48	5681	19.42	9.32	0.48	5943	18.67	8.96	0.48	6216
23	22	13.24	4.77	0.36	1907	13.24	4.77	0.36	2105	13.24	4.77	0.36	2303	14.70	5.29	0.36	2435	14.70	5.29	0.36	2699	22.37	8.05	0.36	5435	21.40	7.71	0.36	5715	20.58	7.41	0.36	5978	19.79	7.12	0.36	6253
24	18	11.88	7.60	0.64	1828	11.88	7.60	0.64	2026	11.88	7.60	0.64	2224	13.20	8.45	0.64	2356	13.20	8.45	0.64	2620	20.08	12.85	0.64	5370	19.21	12.30	0.64	5647	18.47	11.82	0.64	5907	17.76	11.37	0.64	6179
24	20	12.49	6.49	0.52	1868	12.49	6.49	0.52	2066	12.49	6.49	0.52	2264	13.87	7.21	0.52	2396	13.87	7.21	0.52	2660	21.10	10.97	0.52	5403	20.19	10.50	0.52	5681	19.42	10.10	0.52	5943	18.67	9.71	0.52	6216
24	22	13.24	5.29	0.40	1907	13.24	5.29	0.40	2105	13.24	5.29	0.40	2303	14.70	5.88	0.40	2435	14.70	5.88	0.40	2699	22.37	8.95	0.40	5435	21.40	8.56	0.40	5715	20.58	8.23	0.40	5978	19.79	7.92	0.40	6253
24	24	14.03	3.93	0.28	1947	14.03	3.93	0.28	2145	14.03	3.93	0.28	2343	15.58	4.36	0.28	2475	15.58	4.36	0.28	2739	23.71	6.64	0.28	5467	22.69	6.35	0.28	5749	21.82	6.11	0.28	6014	20.98	5.87	0.28	6290
25	18	11.88	8.08	0.68	1828	11.88	8.08	0.68	2026	11.88	8.08	0.68	2224	13.20	8.97	0.68	2356	13.20	8.97	0.68	2620	20.08	13.65	0.68	5370	19.21	13.06	0.68	5647	18.47	12.56	0.68	5907	17.76	12.08	0.68	6179
25	20	12.49	6.99	0.56	1868	12.49	6.99	0.56	2066	12.49	6.99	0.56	2264	13.87	7.77	0.56	2396	13.87	7.77	0.56	2660	21.10	11.82	0.56	5403	20.19	11.31	0.56	5681	19.42	10.87	0.56	5943	18.67	10.46	0.56	6216
25	22	13.24	5.82	0.44	1907	13.24	5.82	0.44	2105	13.24	5.82	0.44	2303	14.70	6.47	0.44	2435	14.70	6.47	0.44	2699	22.37	9.84	0.44	5435	21.40	9.42	0.44	5715	20.58	9.06	0.44	5978	19.79	8.71	0.44	6253
25	24	14.03	4.49	0.32	1947	14.03	4.49	0.32	2145	14.03	4.49	0.32	2343	15.58	4.99	0.32	2475	15.58	4.99	0.32	2739	23.71	7.59	0.32	5467	22.69	7.26	0.32	5749	21.82	6.98	0.32	6014	20.98	6.71	0.32	6290
26	18	11.88	8.55	0.72	1828	11.88	8.55	0.72	2026	11.88	8.55	0.72	2224	13.20	9.50	0.72	2356	13.20	9.50	0.72	2620	20.08	14.46	0.72	5370	19.21	13.83	0.72	5647	18.47	13.30	0.72	5907	17.76	12.79	0.72	6179
26	20	12.49	7.49	0.60	1868	12.49	7.49	0.60	2066	12.49	7.49	0.60	2264	13.87	8.32	0.60	2396	13.87	8.32	0.60	2660	21.10	12.66	0.60	5403	20.19	12.12	0.60	5681	19.42	11.65	0.60	5943	18.67	11.20	0.60	6216
26	22	13.24	6.35	0.48	1907	13.24	6.35	0.48	2105	13.24	6.35	0.48	2303	14.70	7.06	0.48	2435	14.70	7.06	0.48	2699	22.37	10.74	0.48	5435	21.40	10.27	0.48	5715	20.58	9.88	0.48	5978	19.79	9.50	0.48	6253
26	24	14.03	5.05	0.36	1947	14.03	5.05	0.36	2145	14.03	5.05	0.36	2343	15.58	5.61	0.36	2475	15.58	5.61	0.36	2739	23.71	8.54	0.36	5467	22.69	8.17	0.36	5749	21.82	7.85	0.36	6014	20.98	7.55	0.36	6290
26	26	14.73	3.54	0.24	1987	14.73	3.54	0.24	2185	14.73	3.54	0.24	2383	16.36	3.93	0.24	2515	16.36	3.93	0.24	2779	24.90	5.97	0.24	5500	23.82	5.72	0.24	5783	22.91	5.50	0.24	6049	22.03	5.29	0.24	6328
27	18	11.88	9.03	0.76	1828	11.88	9.03	0.76	2026	11.88	9.03	0.76	2224	13.20	10.03	0.76	2356	13.20	10.03	0.76	2620	20.08	15.26	0.76	5370	19.21	14.60	0.76	5647	18.47	14.04	0.76	5907	17.76	13.50	0.76	6179
27	19	12.12	8.49	0.70	1848	12.12	8.49	0.70	2046	12.12	8.49	0.70	2244	13.47	9.43	0.70	2376	13.47	9.43	0.70	2640	20.49	14.34	0.70	5386	19.61	13.72	0.70	5664	18.85	13.20	0.70	5925	18.13	12.69	0.70	6197
27	20	12.49	7.99	0.64	1868	12.49	7.99	0.64	2066	12.49	7.99	0.64	2264	13.87	8.88	0.64	2396	13.87	8.88	0.64	2660	21.10	13.51	0.64	5403	20.19	12.92	0.64	5681	19.42	12.43	0.64	5943	18.67	11.95	0.64	6216
27	22	13.24	6.88	0.52	1907	13.24	6.88	0.52	2105	13.24	6.88	0.52	2303	14.70	7.65	0.52	2435	14.70	7.65	0.52	2699	22.37	11.63	0.52	5435	21.40	11.13	0.52	5715	20.58	10.70	0.52	5978	19.79	10.29	0.52	6253
27	24	14.03	5.61	0.40	1947	14.03	5.61	0.40	2145	14.03	5.61	0.40	2343	15.58	6.23	0.40	2475	15.58	6.23	0.40	2739	23.71	9.48	0.40	5467	22.69	9.08	0.40	5749	21.82	8.73	0.40	6014	20.98	8.39	0.40	6290
27	26	14.73	4.13	0.28	1987	14.73	4.13	0.28	2185	14.73	4.13	0.28	2383	16.36	4.58	0.28	2515	16.36	4.58	0.28	2779	24.90	6.97	0.28	5500	23.82	6.67	0.28	5783	22.91	6.41	0.28	6049	22.03	6.17	0.28	6328
28	18	11.88	9.51	0.80	1828	11.88	9.51	0.80	2026	11.88	9.51	0.80	2224	13.20	10.56	0.80	2356	13.20	10.56	0.80	2620	20.08	16.06	0.80	5370	19.21	15.37	0.80	5647	18.47	14.78	0.80	5907	17.76	14.21	0.80	6179
28	20	12.49	8.49	0.68	1868	12.49	8.49	0.68	2066	12.49	8.49	0.68	2264	13.87	9.43	0.68	2396	13.87	9.43	0.68	2660	21.10	14.35	0.68	5403	20.19	13.73	0.68	5681	19.42	13.20	0.68	5943	18.67	12.70	0.68	6216
28	22	13.24	7.41	0.56	1907	13.24	7.41	0.56	2105	13.24	7.41	0.56	2303	14.70	8.23	0.56	2435	14.70	8.23	0.56	2699	22.37	12.53	0.56	5435	21.40	11.99	0.56	5715	20.58	11.53	0.56	5978	19.79	11.08	0.56	6253

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	16.76	8.71	0.52	6580	15.38	8.00	0.52	6988	14.23	7.40	0.52	7254
21	20	17.61	7.05	0.40	6620	16.17	6.47	0.40	7030	14.96	5.98	0.40	7298
22	18	16.76	9.38	0.56	6580	15.38	8.61	0.56	6988	14.23	7.97	0.56	7254
22	20	17.61	7.75	0.44	6620	16.17	7.11	0.44	7030	14.96	6.58	0.44	7298
22	22	18.67	5.97	0.32	6659	17.14	5.48	0.32	7072	15.85	5.07	0.32	7341
23	18	16.76	10.05	0.60	6580	15.38	9.23	0.60	6988	14.23	8.54	0.60	7254
23	20	17.61	8.45	0.48	6620	16.17	7.76	0.48	7030	14.96	7.18	0.48	7298
23	22	18.67	6.72	0.36	6659	17.14	6.17	0.36	7072	15.85	5.71	0.36	7341
24	18	16.76	10.73	0.64	6580	15.38	9.85	0.64	6988	14.23	9.11	0.64	7254
24	20	17.61	9.16	0.52	6620	16.17	8.41	0.52	7030	14.96	7.78	0.52	7298
24	22	18.67	7.47	0.40	6659	17.14	6.86	0.40	7072	15.85	6.34	0.40	7341
24	24	19.79	5.54	0.28	6699	18.17	5.09	0.28	7114	16.80	4.71	0.28	7385
25	18	16.76	11.40	0.68	6580	15.38	10.46	0.68	6988	14.23	9.68	0.68	7254
25	20	17.61	9.86	0.56	6620	16.17	9.05	0.56	7030	14.96	8.38	0.56	7298
25	22	18.67	8.21	0.44	6659	17.14	7.54	0.44	7072	15.85	6.98	0.44	7341
25	24	19.79	6.33	0.32	6699	18.17	5.81	0.32	7114	16.80	5.38	0.32	7385
26	18	16.76	12.07	0.72	6580	15.38	11.08	0.72	6988	14.23	10.25	0.72	7254
26	20	17.61	10.57	0.60	6620	16.17	9.70	0.60	7030	14.96	8.97	0.60	7298
26	22	18.67	8.96	0.48	6659	17.14	8.23	0.48	7072	15.85	7.61	0.48	7341
26	24	19.79	7.12	0.36	6699	18.17	6.54	0.36	7114	16.80	6.05	0.36	7385
26	26	20.78	4.99	0.24	6739	19.08	4.58	0.24	7157	17.64	4.23	0.24	7429
27	18	16.76	12.74	0.76	6580	15.38	11.69	0.76	6988	14.23	10.81	0.76	7254
27	19	17.10	11.97	0.70	6600	15.70	10.99	0.70	7009	14.52	10.16	0.70	7276
27	20	17.61	11.27	0.64	6620	16.17	10.35	0.64	7030	14.96	9.57	0.64	7298
27	22	18.67	9.71	0.52	6659	17.14	8.91	0.52	7072	15.85	8.24	0.52	7341
27	24	19.79	7.92	0.40	6699	18.17	7.27	0.40	7114	16.80	6.72	0.40	7385
27	26	20.78	5.82	0.28	6739	19.08	5.34	0.28	7157	17.64	4.94	0.28	7429
28	18	16.76	13.41	0.80	6580	15.38	12.31	0.80	6988	14.23	11.38	0.80	7254
28	20	17.61	11.98	0.68	6620	16.17	10.99	0.68	7030	14.96	10.17	0.68	7298
28	22	18.67	10.46	0.56	6659	17.14	9.60	0.56	7072	15.85	8.88	0.56	7341

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPIH-6.5UFE1NH+RAS-6.5UFESMH1

CAPACITY: 17.10 kW SHF: 0.70 INPUT: 6600 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	14.03	6.17	0.44	1947	14.03	6.17	0.44	2145	14.03	6.17	0.44	2343	15.58	6.86	0.44	2475	15.58	6.86	0.44	2739	23.71	10.43	0.44	5467	22.69	9.98	0.44	5749	21.82	9.60	0.44	6014	20.98	9.23	0.44	6290
28	26	14.73	4.71	0.32	1987	14.73	4.71	0.32	2185	14.73	4.71	0.32	2383	16.36	5.24	0.32	2515	16.36	5.24	0.32	2779	24.90	7.97	0.32	5500	23.82	7.62	0.32	5783	22.91	7.33	0.32	6049	22.03	7.05	0.32	6328
29	18	11.88	9.74	0.82	1828	11.88	9.74	0.82	2026	11.88	9.74	0.82	2224	13.20	10.82	0.82	2356	13.20	10.82	0.82	2620	20.08	16.46	0.82	5370	19.21	15.75	0.82	5647	18.47	15.15	0.82	5907	17.76	14.57	0.82	6179
29	20	12.49	8.99	0.72	1868	12.49	8.99	0.72	2066	12.49	8.99	0.72	2264	13.87	9.99	0.72	2396	13.87	9.99	0.72	2660	21.10	15.19	0.72	5403	20.19	14.54	0.72	5681	19.42	13.98	0.72	5943	18.67	13.44	0.72	6216
29	22	13.24	7.94	0.60	1907	13.24	7.94	0.60	2105	13.24	7.94	0.60	2303	14.70	8.82	0.60	2435	14.70	8.82	0.60	2699	22.37	13.42	0.60	5435	21.40	12.84	0.60	5715	20.58	12.35	0.60	5978	19.79	11.87	0.60	6253
29	24	14.03	6.73	0.48	1947	14.03	6.73	0.48	2145	14.03	6.73	0.48	2343	15.58	7.48	0.48	2475	15.58	7.48	0.48	2739	23.71	11.38	0.48	5467	22.69	10.89	0.48	5749	21.82	10.47	0.48	6014	20.98	10.07	0.48	6290
29	26	14.73	5.30	0.36	1987	14.73	5.30	0.36	2185	14.73	5.30	0.36	2383	16.36	5.89	0.36	2515	16.36	5.89	0.36	2779	24.90	8.96	0.36	5500	23.82	8.58	0.36	5783	22.91	8.25	0.36	6049	22.03	7.93	0.36	6328
30	18	11.88	9.74	0.82	1828	11.88	9.74	0.82	2026	11.88	9.74	0.82	2224	13.20	10.82	0.82	2356	13.20	10.82	0.82	2620	20.08	16.46	0.82	5370	19.21	15.75	0.82	5647	18.47	15.15	0.82	5907	17.76	14.57	0.82	6179
30	20	12.49	9.49	0.76	1868	12.49	9.49	0.76	2066	12.49	9.49	0.76	2264	13.87	10.54	0.76	2396	13.87	10.54	0.76	2660	21.10	16.04	0.76	5403	20.19	15.35	0.76	5681	19.42	14.76	0.76	5943	18.67	14.19	0.76	6216
30	22	13.24	8.47	0.64	1907	13.24	8.47	0.64	2105	13.24	8.47	0.64	2303	14.70	9.41	0.64	2435	14.70	9.41	0.64	2699	22.37	14.32	0.64	5435	21.40	13.70	0.64	5715	20.58	13.17	0.64	5978	19.79	12.67	0.64	6253
30	24	14.03	7.30	0.52	1947	14.03	7.30	0.52	2145	14.03	7.30	0.52	2343	15.58	8.10	0.52	2475	15.58	8.10	0.52	2739	23.71	12.33	0.52	5467	22.69	11.80	0.52	5749	21.82	11.34	0.52	6014	20.98	10.91	0.52	6290
30	26	14.73	5.89	0.40	1987	14.73	5.89	0.40	2185	14.73	5.89	0.40	2383	16.36	6.55	0.40	2515	16.36	6.55	0.40	2779	24.90	9.96	0.40	5500	23.82	9.53	0.40	5783	22.91	9.16	0.40	6049	22.03	8.81	0.40	6328
31	18	11.88	9.74	0.82	1828	11.88	9.74	0.82	2026	11.88	9.74	0.82	2224	13.20	10.82	0.82	2356	13.20	10.82	0.82	2620	20.08	16.46	0.82	5370	19.21	15.75	0.82	5647	18.47	15.15	0.82	5907	17.76	14.57	0.82	6179
31	20	12.49	9.99	0.80	1868	12.49	9.99	0.80	2066	12.49	9.99	0.80	2264	13.87	11.10	0.80	2396	13.87	11.10	0.80	2660	21.10	16.88	0.80	5403	20.19	16.15	0.80	5681	19.42	15.53	0.80	5943	18.67	14.94	0.80	6216
31	22	13.24	9.00	0.68	1907	13.24	9.00	0.68	2105	13.24	9.00	0.68	2303	14.70	10.00	0.68	2435	14.70	10.00	0.68	2699	22.37	15.21	0.68	5435	21.40	14.56	0.68	5715	20.58	14.00	0.68	5978	19.79	13.46	0.68	6253
31	24	14.03	7.86	0.56	1947	14.03	7.86	0.56	2145	14.03	7.86	0.56	2343	15.58	8.73	0.56	2475	15.58	8.73	0.56	2739	23.71	13.28	0.56	5467	22.69	12.71	0.56	5749	21.82	12.22	0.56	6014	20.98	11.75	0.56	6290
31	26	14.73	6.48	0.44	1987	14.73	6.48	0.44	2185	14.73	6.48	0.44	2383	16.36	7.20	0.44	2515	16.36	7.20	0.44	2779	24.90	10.95	0.44	5500	23.82	10.48	0.44	5783	22.91	10.08	0.44	6049	22.03	9.69	0.44	6328
32	18	11.88	9.74	0.82	1828	11.88	9.74	0.82	2026	11.88	9.74	0.82	2224	13.20	10.82	0.82	2356	13.20	10.82	0.82	2620	20.08	16.46	0.82	5370	19.21	15.75	0.82	5647	18.47	15.15	0.82	5907	17.76	14.57	0.82	6179
32	20	12.49	10.24	0.82	1868	12.49	10.24	0.82	2066	12.49	10.24	0.82	2264	13.87	11.37	0.82	2396	13.87	11.37	0.82	2660	21.10	17.30	0.82	5403	20.19	16.56	0.82	5681	19.42	15.92	0.82	5943	18.67	15.31	0.82	6216
32	22	13.24	9.53	0.72	1907	13.24	9.53	0.72	2105	13.24	9.53	0.72	2303	14.70	10.59	0.72	2435	14.70	10.59	0.72	2699	22.37	16.10	0.72	5435	21.40	15.41	0.72	5715	20.58	14.82	0.72	5978	19.79	14.25	0.72	6253
32	24	14.03	8.42	0.60	1947	14.03	8.42	0.60	2145	14.03	8.42	0.60	2343	15.58	9.35	0.60	2475	15.58	9.35	0.60	2739	23.71	14.23	0.60	5467	22.69	13.61	0.60	5749	21.82	13.09	0.60	6014	20.98	12.59	0.60	6290
32	26	14.73	7.07	0.48	1987	14.73	7.07	0.48	2185	14.73	7.07	0.48	2383	16.36	7.85	0.48	2515	16.36	7.85	0.48	2779	24.90	11.95	0.48	5500	23.82	11.44	0.48	5783	22.91	11.00	0.48	6049	22.03	10.57	0.48	6328

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	14.03	6.17	0.44	1947	14.03	6.17	0.44	2145	14.03	6.17	0.44	2343	15.58	6.86	0.44	2475	15.58	6.86	0.44	2739	23.71	10.43	0.44	5467	22.69	9.98	0.44	5749	21.82	9.60	0.44	6014	20.98	9.23	0.44	6290
28	26	14.73	4.71	0.32	1987	14.73	4.71	0.32	2185	14.73	4.71	0.32	2383	16.36	5.24	0.32	2515	16.36	5.24	0.32	2779	24.90	7.97	0.32	5500	23.82	7.62	0.32	5783	22.91	7.33	0.32	6049	22.03	7.05	0.32	6328
29	18	11.88	9.74	0.82	1828	11.88	9.74	0.82	2026	11.88	9.74	0.82	2224	13.20	10.82	0.82	2356	13.20	10.82	0.82	2620	20.08	16.46	0.82	5370	19.21	15.75	0.82	5647	18.47	15.15	0.82	5907	17.76	14.57	0.82	6179
29	20	12.49	8.99	0.72	1868	12.49	8.99	0.72	2066	12.49	8.99	0.72	2264	13.87	9.99	0.72	2396	13.87	9.99	0.72	2660	21.10	15.19	0.72	5403	20.19	14.54	0.72	5681	19.42	13.98	0.72	5943	18.67	13.44	0.72	6216
29	22	13.24	7.94	0.60	1907	13.24	7.94	0.60	2105	13.24	7.94	0.60	2303	14.70	8.82	0.60	2435	14.70	8.82	0.60	2699	22.37	13.42	0.60	5435	21.40	12.84	0.60	5715	20.58	12.35	0.60	5978	19.79	11.87	0.60	6253
29	24	14.03	6.73	0.48	1947	14.03	6.73	0.48	2145	14.03	6.73	0.48	2343	15.58	7.48	0.48	2475	15.58	7.48	0.48	2739	23.71	11.38	0.48	5467	22.69	10.89	0.48	5749	21.82	10.47	0.48	6014	20.98	10.07	0.48	6290
29	26	14.73	5.30	0.36	1987	14.73	5.30	0.36	2185	14.73	5.30	0.36	2383	16.36	5.89	0.36	2515	16.36	5.89	0.36	2779	24.90	8.96	0.36	5500	23.82	8.58	0.36	5783	22.91	8.25	0.36	6049	22.03	7.93	0.36	6328
30	18	11.88	9.74	0.82	1828	11.88	9.74	0.82	2026	11.88	9.74	0.82	2224	13.20	10.82	0.82	2356	13.20	10.82	0.82	2620	20.08	16.46	0.82	5370	19.21	15.75	0.82	5647	18.47	15.15	0.82	5907	17.76	14.57	0.82	6179
30	20	12.49	9.49	0.76	1868	12.49	9.49	0.76	2066	12.49	9.49	0.76	2264	13.87	10.54	0.76	2396	13.87	10.54	0.76	2660	21.10	16.04	0.76	5403	20.19	15.35	0.76	5681	19.42	14.76	0.76	5943	18.67	14.19	0.76	6216
30	22	13.24	8.47	0.64	1907	13.24	8.47	0.64	2105	13.24	8.47	0.64	2303	14.70	9.41	0.64	2435	14.70	9.41	0.64	2699	22.37	14.32	0.64	5435	21.40	13.70	0.64	5715	20.58	13.17	0.64	5978	19.79	12.67	0.64	6253
30	24	14.03	7.30	0.52	1947	14.03	7.30	0.52	2145	14.03	7.30	0.52	2343	15.58	8.10	0.52	2475	15.58	8.10	0.52	2739	23.71	12.33	0.52	5467	22.69	11.80	0.52	5749	21.82	11.34	0.52	6014	20.98	10.91	0.52	6290
30	26	14.73	5.89	0.40	1987	14.73	5.89	0.40	2185	14.73	5.89	0.40	2383	16.36	6.55	0.40	2515	16.36	6.55	0.40	2779	24.90	9.96	0.40	5500	23.82	9.53	0.40	5783	22.91	9.16	0.40	6049	22.03	8.81	0.40	6328
31	18	11.88	9.74	0.82	1828	11.88	9.74	0.82	2026	11.88	9.74	0.82	2224	13.20	10.82	0.82	2356	13.20	10.82	0.82	2620	20.08	16.46	0.82	5370	19.21	15.75	0.82	5647	18.47	15.15	0.82	5907	17.76	14.57	0.82	6179
31	20	12.49	9.99	0.80	1868	12.49	9.99	0.80	2066	12.49	9.99	0.80	2264	13.87	11.10	0.80	2396	13.87	11.10	0.80	2660	21.10	16.88	0.80	5403	20.19	16.15	0.80	5681	19.42	15.53	0.80	5943	18.67	14.94	0.80	6216
31	22	13.24	9.00	0.68	1907	13.24	9.00	0.68	2105	13.24	9.00	0.68	2303	14.70	10.00	0.68	2435	14.70	10.00	0.68	2699	22.37	15.21	0.68	5435	21.40	14.56	0.68	5715	20.58	14.00	0.68	5978	19.79	13.46	0.68	6253
31	24	14.03	7.86	0.56	1947	14.03	7.86	0.56	2145	14.03	7.86	0.56	2343	15.58	8.73	0.56	2475	15.58	8.73	0.56	2739	23.71	13.28	0.56	5467	22.69	12.71	0.56	5749	21.82	12.22	0.56	6014	20.98	11.75	0.56	6290
31	26	14.73	6.48	0.44	1987	14.73	6.48	0.44	2185	14.73	6.48	0.44	2383	16.36	7.20	0.44	2515	16.36	7.20	0.44	2779	24.90	10.95	0.44	5500	23.82	10.48	0.44	5783	22.91	10.08	0.44	6049	22.03	9.69	0.44	6328
32	18	11.88	9.74	0.82	1828	11.88	9.74	0.82	2026	11.88	9.74	0.82	2224	13.20	10.82	0.82	2356	13.20	10.82	0.82	2620	20.08	16.46	0.82	5370	19.21	15.75	0.82	5647	18.47	15.15	0.82	5907	17.76	14.57	0.82	6179
32	20	12.49	10.24	0.82	1868	12.49	10.24	0.82	2066	12.49	10.24	0.82	2264	13.87	11.37	0.82	2396	13.87	11.37	0.82	2660	21.10	17.30	0.82	5403	20.19	16.56	0.82	5681	19.42	15.92	0.82	5943	18.67	15.31	0.82	6216
32	22	13.24	9.53	0.72	1907	13.24	9.53	0.72	2105	13.24	9.53	0.72	2303	14.70	10.59	0.72	2435	14.70	10.59	0.72	2699	22.37	16.10	0.72	5435	21.40	15.41	0.72	5715	20.58	14.82	0.72	5978	19.79	14.25	0.72	6253
32	24	14.03	8.42	0.60	1947	14.03	8.42	0.60	2145	14.03	8.42	0.60	2343	15.58	9.35	0.60	2475	15.58	9.35	0.60	2739	23.71	14.23	0.60	5467	22.69	13.61	0.60	5749	21.82	13.09	0.60	6014	20.98	12.59	0.60	6290
32	26	14.73	7.07	0.48	1987	14.73	7.07	0.48	2185	14.73	7.07	0.48	2383	16.36	7.85	0.48	2515	16.36	7.85	0.48	2779	24.90	11.95	0.48	5500	23.82	11.44	0.48	5783	22.91	11.00	0.48	6049	22.03	10.57	0.48	6328

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPIL-3.0UFE1NH+RAS-3.0UFESNH1
CAPACITY: 8.30 kW INPUT: 2220 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	4.40	1221	5.24	1443	6.30	1730	7.39	1952	8.46	2109	9.55	2243	10.53	2308	11.62	2354
21	4.15	1332	4.98	1554	5.97	1841	7.06	2044	8.04	2197	9.13	2308	10.12	2377	11.15	2465
26	3.65	1443	4.49	1665	5.55	1952	6.56	2155	7.63	2308	8.72	2419	9.70	2488	10.79	2553

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPIH-3.5UFE1NH+RAS-3.5UFESNH1
CAPACITY: 9.00 kW INPUT: 2400 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	4.77	1320	5.68	1560	6.83	1871	8.02	2111	9.17	2280	10.35	2425	11.42	2495	12.60	2545
21	4.50	1440	5.40	1680	6.47	1991	7.65	2209	8.72	2375	9.90	2495	10.97	2569	12.09	2665
26	3.96	1560	4.87	1800	6.02	2111	7.12	2329	8.27	2495	9.45	2615	10.52	2689	11.70	2760

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPIH-4.0UFE1NH+RAS-4.0UFESNH1
CAPACITY: 10.50 kW INPUT: 3500 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	5.56	1925	6.63	2275	7.97	2728	9.35	3078	10.70	3325	12.08	3536	13.32	3639	14.70	3711
21	5.25	2100	6.30	2450	7.55	2903	8.93	3222	10.17	3464	11.55	3639	12.80	3747	14.11	3886
26	4.62	2275	5.68	2625	7.02	3078	8.30	3397	9.65	3639	11.03	3814	12.27	3922	13.65	4025

Remarks:
Q: Total Heating Capacity (Gross) **kW**
INPUT: 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

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPIH-5.0UFE1NH+RAS-5.0UFESMH1 CAPACITY: 13.40 kW
INPUT: 4070 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	7.10	2238	8.46	2646	10.18	3173	11.93	3580	13.65	3867	15.41	4112	17.00	4232	18.76	4315
21	6.70	2442	8.04	2849	9.63	3376	11.39	3746	12.98	4028	14.74	4232	16.33	4357	18.01	4519
26	5.89	2645	7.24	3053	8.96	3580	10.59	3950	12.31	4232	14.07	4435	15.66	4560	17.42	4681

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPIH-6.0UFE1NH+RAS-6.0UFESMH1 CAPACITY: 16.13 kW
INPUT: 4650 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	8.54	2557	10.18	3023	12.25	3625	14.37	4090	16.43	4418	18.55	4698	20.46	4835	22.58	4930
21	8.06	2790	9.68	3255	11.59	3857	13.71	4280	15.63	4602	17.74	4835	19.66	4978	21.67	5163
26	7.09	3022	8.72	3488	10.79	4090	12.75	4513	14.82	4835	16.94	5067	18.85	5210	20.97	5348

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPIH-6.5UFE1NH+RAS-6.5UFESMH1
CAPACITY: 18.00 kW INPUT: 6100 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	9.54	3355	11.36	3965	13.67	4755	16.03	5365	18.34	5795	20.70	6163	22.84	6342	25.20	6468
21	9.00	3660	10.80	4270	12.94	5060	15.30	5615	17.44	6037	19.80	6342	21.94	6530	24.19	6773
26	7.92	3965	9.73	4575	12.04	5365	14.23	5920	16.54	6342	18.90	6647	21.04	6835	23.40	7015

Remarks:
Q: Total Heating Capacity (Gross) **kW**
INPUT: 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

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPIH-5.0UFE1NH + RAS-5.0UFESNH1 CAPACITY: 12.80 kW
INPUT: 3820 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	6.78	2101	8.08	2483	9.72	2978	11.40	3360	13.04	3629	14.72	3859	16.24	3972	17.92	4050
21	6.40	2292	7.68	2674	9.20	3169	10.88	3516	12.40	3781	14.08	3972	15.60	4089	17.20	4241
26	5.63	2483	6.92	2865	8.56	3360	10.12	3707	11.76	3972	13.44	4163	14.96	4280	16.64	4393

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPIH-6.0UFE1NH+RAS-6.0UFESNH1
CAPACITY: 16.50 kW INPUT: 4850 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	8.74	2667	10.42	3153	12.53	3781	14.70	4266	16.81	4608	18.98	4900	20.93	5043	23.10	5142
21	8.25	2910	9.90	3395	11.86	4023	14.03	4464	15.98	4800	18.15	5043	20.11	5192	22.17	5385
26	7.26	3152	8.92	3638	11.03	4266	13.05	4707	15.16	5043	17.33	5285	19.28	5434	21.45	5578

Remarks:
Q: Total Heating Capacity (Gross) **kW**
INPUT: 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

Cassette

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-3.0UFE1NH+RAS-3.0UFESNH1

CAPACITY: 7.00 kW SHF: 0.70 INPUT: 1910 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																															
		-15				-7				0				10				15				21				25				27				30				35				40				48			
		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	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.86	2.53	0.52	515	4.86	2.53	0.52	572	4.86	2.53	0.52	629	5.40	2.81	0.52	668	5.40	2.81	0.52	744	8.22	4.27	0.52	1542	7.86	4.09	0.52	1622	7.56	3.93	0.52	1697	7.27	3.78	0.52	1775	6.86	3.57	0.52	1890	6.30	3.27	0.52	2007	21	18	4.86	2.53
21	20	5.11	2.04	0.40	555	5.11	2.04	0.40	612	5.11	2.04	0.40	669	5.68	2.27	0.40	708	5.68	2.27	0.40	784	8.64	3.46	0.40	1575	8.27	3.31	0.40	1656	7.95	3.18	0.40	1733	7.64	3.06	0.40	1812	7.21	2.88	0.40	1930	6.62	2.65	0.40	2050	21	20	5.11	2.04
22	18	4.86	2.72	0.56	515	4.86	2.72	0.56	572	4.86	2.72	0.56	629	5.40	3.03	0.56	668	5.40	3.03	0.56	744	8.22	4.60	0.56	1542	7.86	4.40	0.56	1622	7.56	4.23	0.56	1697	7.27	4.07	0.56	1775	6.86	3.84	0.56	1890	6.30	3.53	0.56	2007	22	18	4.86	2.72
22	20	5.11	2.25	0.44	555	5.11	2.25	0.44	612	5.11	2.25	0.44	669	5.68	2.50	0.44	708	5.68	2.50	0.44	784	8.64	3.80	0.44	1575	8.27	3.64	0.44	1656	7.95	3.50	0.44	1733	7.64	3.36	0.44	1812	7.21	3.17	0.44	1930	6.62	2.91	0.44	2050	22	20	5.11	2.25
22	22	5.42	1.73	0.32	594	5.42	1.73	0.32	651	5.42	1.73	0.32	708	6.02	1.93	0.32	747	6.02	1.93	0.32	823	9.16	2.93	0.32	1607	8.76	2.80	0.32	1690	8.43	2.70	0.32	1768	8.10	2.59	0.32	1849	7.64	2.45	0.32	1969	7.02	2.25	0.32	2091	22	22	5.42	1.73
23	18	4.86	2.92	0.60	515	4.86	2.92	0.60	572	4.86	2.92	0.60	629	5.40	3.24	0.60	668	5.40	3.24	0.60	744	8.22	4.93	0.60	1542	7.86	4.72	0.60	1622	7.56	4.54	0.60	1697	7.27	4.36	0.60	1775	6.86	4.12	0.60	1890	6.30	3.78	0.60	2007	23	18	4.86	2.92
23	20	5.11	2.45	0.48	555	5.11	2.45	0.48	612	5.11	2.45	0.48	669	5.68	2.73	0.48	708	5.68	2.73	0.48	784	8.64	4.15	0.48	1575	8.27	3.97	0.48	1656	7.95	3.82	0.48	1733	7.64	3.67	0.48	1812	7.21	3.46	0.48	1930	6.62	3.18	0.48	2050	23	20	5.11	2.45
23	22	5.42	1.95	0.36	594	5.42	1.95	0.36	651	5.42	1.95	0.36	708	6.02	2.17	0.36	747	6.02	2.17	0.36	823	9.16	3.30	0.36	1607	8.76	3.15	0.36	1690	8.43	3.03	0.36	1768	8.10	2.92	0.36	1849	7.64	2.75	0.36	1969	7.02	2.53	0.36	2091	23	22	5.42	1.95
24	18	4.86	3.11	0.64	515	4.86	3.11	0.64	572	4.86	3.11	0.64	629	5.40	3.46	0.64	668	5.40	3.46	0.64	744	8.22	5.26	0.64	1542	7.86	5.03	0.64	1622	7.56	4.84	0.64	1697	7.27	4.65	0.64	1775	6.86	4.39	0.64	1890	6.30	4.03	0.64	2007	24	18	4.86	3.11
24	20	5.11	2.66	0.52	555	5.11	2.66	0.52	612	5.11	2.66	0.52	669	5.68	2.95	0.52	708	5.68	2.95	0.52	784	8.64	4.49	0.52	1575	8.27	4.30	0.52	1656	7.95	4.13	0.52	1733	7.64	3.97	0.52	1812	7.21	3.75	0.52	1930	6.62	3.44	0.52	2050	24	20	5.11	2.66
24	22	5.42	2.17	0.40	594	5.42	2.17	0.40	651	5.42	2.17	0.40	708	6.02	2.41	0.40	747	6.02	2.41	0.40	823	9.16	3.66	0.40	1607	8.76	3.50	0.40	1690	8.43	3.37	0.40	1768	8.10	3.24	0.40	1849	7.64	3.06	0.40	1969	7.02	2.81	0.40	2091	24	22	5.42	2.17
24	24	5.74	1.61	0.28	634	5.74	1.61	0.28	691	5.74	1.61	0.28	748	6.38	1.79	0.28	787	6.38	1.79	0.28	863	9.71	2.72	0.28	1640	9.29	2.60	0.28	1724	8.93	2.50	0.28	1803	8.59	2.40	0.28	1886	8.10	2.27	0.28	2009	7.44	2.08	0.28	2134	24	24	5.74	1.61
25	18	4.86	3.31	0.68	515	4.86	3.31	0.68	572	4.86	3.31	0.68	629	5.40	3.67	0.68	668	5.40	3.67	0.68	744	8.22	5.59	0.68	1542	7.86	5.35	0.68	1622	7.56	5.14	0.68	1697	7.27	4.94	0.68	1775	6.86	4.66	0.68	1890	6.30	4.28	0.68	2007	25	18	4.86	3.31
25	20	5.11	2.86	0.56	555	5.11	2.86	0.56	612	5.11	2.86	0.56	669	5.68	3.18	0.56	708	5.68	3.18	0.56	784	8.64	4.84	0.56	1575	8.27	4.63	0.56	1656	7.95	4.45	0.56	1733	7.64	4.28	0.56	1812	7.21	4.04	0.56	1930	6.62	3.71	0.56	2050	25	20	5.11	2.86
25	22	5.42	2.38	0.44	594	5.42	2.38	0.44	651	5.42	2.38	0.44	708	6.02	2.65	0.44	747	6.02	2.65	0.44	823	9.16	4.03	0.44	1607	8.76	3.86	0.44	1690	8.43	3.71	0.44	1768	8.10	3.56	0.44	1849	7.64	3.36	0.44	1969	7.02	3.09	0.44	2091	25	22	5.42	2.38
25	24	5.74	1.84	0.32	634	5.74	1.84	0.32	691	5.74	1.84	0.32	748	6.38	2.04	0.32	787	6.38	2.04	0.32	863	9.71	3.11	0.32	1640	9.29	2.97	0.32	1724	8.93	2.86	0.32	1803	8.59	2.75	0.32	1886	8.10	2.59	0.32	2009	7.44	2.38	0.32	2134	25	24	5.74	1.84
26	18	4.86	3.50	0.72	515	4.86	3.50	0.72	572	4.86	3.50	0.72	629	5.40	3.89	0.72	668	5.40	3.89	0.72	744	8.22	5.92	0.72	1542	7.86	5.66	0.72	1622	7.56	5.44	0.72	1697	7.27	5.24	0.72	1775	6.86	4.94	0.72	1890	6.30	4.53	0.72	2007	26	18	4.86	3.50
26	20	5.11	3.07	0.60	555	5.11	3.07	0.60	612	5.11	3.07	0.60	669	5.68	3.41	0.60	708	5.68	3.41	0.60	784	8.64	5.18	0.60	1575	8.27	4.96	0.60	1656	7.95	4.77	0.60	1733	7.64	4.59	0.60	1812	7.21	4.33	0.60	1930	6.62	3.97	0.60	2050	26	20	5.11	3.07
26	22	5.42	2.60	0.48	594	5.42	2.60	0.48	651	5.42	2.60	0.48	708	6.02	2.89	0.48	747	6.02	2.89	0.48	823	9.16	4.40	0.48	1607	8.76	4.21	0.48	1690	8.43	4.04	0.48	1768	8.10	3.89	0.48	1849	7.64	3.67	0.48	1969	7.02	3.37	0.48	2091	26	22	5.42	2.60
26	24	5.74	2.07	0.36	634	5.74	2.07	0.36	691	5.74	2.07	0.36	748	6.38	2.30	0.36	787	6.38	2.30	0.36	863	9.71	3.49	0.36	1640	9.29	3.34	0.36	1724	8.93	3.22	0.36	1803	8.59	3.09	0.36	1886	8.10	2.92	0.36	2009	7.44	2.68	0.36	2134	26	24	5.74	2.07
26	26	6.03	1.45	0.24	674	6.03	1.45	0.24	731	6.03	1.45	0.24	788	6.70	1.61	0.24	827	6.70	1.61	0.24	903	10.19	2.45	0.24	1672	9.75	2.34	0.24	1758	9.38	2.25	0.24	1839	9.02	2.16	0.24	1924	8.51	2.04	0.24	2049	7.81	1.87	0.24	2176	26	26	6.03	1.45
27	18	4.86	3.70	0.76	515	4.86	3.70	0.76	572	4.86	3.70	0.76	629	5.40	4.11	0.76	668	5.40	4.11	0.76	744	8.22	6.25	0.76	1542	7.86	5.98	0.76	1622	7.56	5.75	0.76	1697	7.27	5.53	0.76	1775	6.86	5.21	0.76	1890	6.30	4.79	0.76	2007	27	18	4.86	3.70
27	19	4.96	3.47	0.70	535	4.96	3.47	0.70	592	4.96	3.47	0.70	649	5.51	3.86	0.70	688	5.51	3.86	0.70	764	8.39	5.87	0.70	1559	8.03	5.62	0.70	1639	7.72	5.40	0.70	1715	7.42	5.19	0.70	1793	7.00	4.90	0.70	1910	6.43	4.50	0.70	2028	27	19	4.96	3.47
27	20	5.11	3.27	0.64	555	5.11	3.27	0.64	612	5.11	3.27	0.64	669	5.68	3.63	0.64	708	5.68	3.63	0.64	784	8.64	5.53	0.64	1575	8.27	5.29	0.64	1656	7.95	5.09	0.64	1733	7.64	4.89	0.64	1812	7.21	4.61	0.64	1930	6.62	4.24	0.64	2050	27	20	5.11	3.27
27	22	5.42	2.82	0.52	594	5.42	2.82	0.52	651	5.42	2.82	0.52	708	6.02	3.13	0.52	747	6.02	3.13	0.52	823	9.16	4.76	0.52	1607	8.76	4.56	0.52	1690	8.43	4.38	0.52	1768	8.10	4.21	0.52	1849	7.64	3.97	0.52	1969	7.02	3.65	0.52	2091	27	22	5.42	2.82
27	24	5.74	2.30	0.40	634	5.74	2.30	0.40	691	5.74	2.30	0.40	748	6.38	2.55	0.40	787	6.38	2.55	0.40	863	9.71	3.88	0.40	1640	9.29	3.72	0.40	1724	8.93	3.57	0.40	1803	8.59	3.43	0.40	1886	8.10	3.24	0.40	2009	7.44	2.97	0.40	2134	27	24	5.74	2.30
27	26	6.03	1.69	0.28	674	6.03	1.69	0.28	731	6.03	1.69	0.28	788	6.70	1.88	0.28	827	6.70	1.88	0.28	903	10.19	2.85	0.28	1672	9.75	2.73	0.28	1758	9.38	2.63	0.28	1839	9.02	2.52	0.28	1924	8.51	2.38	0.28	2049	7.81	2.19	0.28	2176	27	26	6.03	1.69
28	18	4.86	3.89	0.80	515	4.86	3.89	0.80	572	4.86	3.89	0.80	629	5.40	4.32	0.80	668	5.40	4.32	0.80	744	8.22	6.58	0.80	1542	7.86	6.29	0.80	1622	7.56	6.05	0.80	1697	7.27	5.82	0.80	1775	6.86	5.49	0.80	1890	6.30	5.04	0.80	2007	28	18	4.86	3.89
28	20	5.11	3.48	0.68	555	5.11	3.48	0.68	612	5.11	3.48	0.68	669	5.68	3.86	0.68	708	5.68	3.86	0.68	784	8.64	5.87	0.68	1575	8.27	5.62	0.68	1656	7.95	5.40	0.68	1733	7.64	5.20	0.68	1812	7.21	4.90	0.68	1930	6.62	4.50	0.68	2050	28	20	5.11	3.48
28	22	5.42	3.03	0.56	594	5.42	3.03	0.56	651	5.42	3.03	0.56	708	6.02	3.37	0.56	747	6.02	3.37	0.56	823	9.16	5.13	0.56	1607	8.76	4.91	0.56	1690	8.43	4.72	0.56	1768	8.10	4.54	0.56	1849	7.64	4.28	0.56	1969	7.02	3.93	0.56	2091	28	22	5.42	3.03

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-3.0UFE1NH+RAS-3.0UFESNH1

CAPACITY: 7.00 kW SHF: 0.70 INPUT: 1910 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	5.74	2.53	0.44	634	5.74	2.53	0.44	691	5.74	2.53	0.44	748	6.38	2.81	0.44	787	6.38	2.81	0.44	863	9.71	4.27	0.44	1640	9.29	4.09	0.44	1724	8.93	3.93	0.44	1803	8.59	3.78	0.44	1886
28	26	6.03	1.93	0.32	674	6.03	1.93	0.32	731	6.03	1.93	0.32	788	6.70	2.14	0.32	827	6.70	2.14	0.32	903	10.19	3.26	0.32	1672	9.75	3.12	0.32	1758	9.38	3.00	0.32	1839	9.02	2.89	0.32	1924
29	18	4.86	3.99	0.82	515	4.86	3.99	0.82	572	4.86	3.99	0.82	629	5.40	4.43	0.82	668	5.40	4.43	0.82	744	8.22	6.74	0.82	1542	7.86	6.45	0.82	1622	7.56	6.20	0.82	1697	7.27	5.96	0.82	1775
29	20	5.11	3.68	0.72	555	5.11	3.68	0.72	612	5.11	3.68	0.72	669	5.68	4.09	0.72	708	5.68	4.09	0.72	784	8.64	6.22	0.72	1575	8.27	5.95	0.72	1656	7.95	5.72	0.72	1733	7.64	5.50	0.72	1812
29	22	5.42	3.25	0.60	594	5.42	3.25	0.60	651	5.42	3.25	0.60	708	6.02	3.61	0.60	747	6.02	3.61	0.60	823	9.16	5.49	0.60	1607	8.76	5.26	0.60	1690	8.43	5.06	0.60	1768	8.10	4.86	0.60	1849
29	24	5.74	2.76	0.48	634	5.74	2.76	0.48	691	5.74	2.76	0.48	748	6.38	3.06	0.48	787	6.38	3.06	0.48	863	9.71	4.66	0.48	1640	9.29	4.46	0.48	1724	8.93	4.29	0.48	1803	8.59	4.12	0.48	1886
29	26	6.03	2.17	0.36	674	6.03	2.17	0.36	731	6.03	2.17	0.36	788	6.70	2.41	0.36	827	6.70	2.41	0.36	903	10.19	3.67	0.36	1672	9.75	3.51	0.36	1758	9.38	3.38	0.36	1839	9.02	3.25	0.36	1924
30	18	4.86	3.99	0.82	515	4.86	3.99	0.82	572	4.86	3.99	0.82	629	5.40	4.43	0.82	668	5.40	4.43	0.82	744	8.22	6.74	0.82	1542	7.86	6.45	0.82	1622	7.56	6.20	0.82	1697	7.27	5.96	0.82	1775
30	20	5.11	3.89	0.76	555	5.11	3.89	0.76	612	5.11	3.89	0.76	669	5.68	4.32	0.76	708	5.68	4.32	0.76	784	8.64	6.57	0.76	1575	8.27	6.28	0.76	1656	7.95	6.04	0.76	1733	7.64	5.81	0.76	1812
30	22	5.42	3.47	0.64	594	5.42	3.47	0.64	651	5.42	3.47	0.64	708	6.02	3.85	0.64	747	6.02	3.85	0.64	823	9.16	5.86	0.64	1607	8.76	5.61	0.64	1690	8.43	5.39	0.64	1768	8.10	5.18	0.64	1849
30	24	5.74	2.99	0.52	634	5.74	2.99	0.52	691	5.74	2.99	0.52	748	6.38	3.32	0.52	787	6.38	3.32	0.52	863	9.71	5.05	0.52	1640	9.29	4.83	0.52	1724	8.93	4.64	0.52	1803	8.59	4.47	0.52	1886
30	26	6.03	2.41	0.40	674	6.03	2.41	0.40	731	6.03	2.41	0.40	788	6.70	2.68	0.40	827	6.70	2.68	0.40	903	10.19	4.08	0.40	1672	9.75	3.90	0.40	1758	9.38	3.75	0.40	1839	9.02	3.61	0.40	1924
31	18	4.86	3.99	0.82	515	4.86	3.99	0.82	572	4.86	3.99	0.82	629	5.40	4.43	0.82	668	5.40	4.43	0.82	744	8.22	6.74	0.82	1542	7.86	6.45	0.82	1622	7.56	6.20	0.82	1697	7.27	5.96	0.82	1775
31	20	5.11	4.09	0.80	555	5.11	4.09	0.80	612	5.11	4.09	0.80	669	5.68	4.54	0.80	708	5.68	4.54	0.80	784	8.64	6.91	0.80	1575	8.27	6.61	0.80	1656	7.95	6.36	0.80	1733	7.64	6.11	0.80	1812
31	22	5.42	3.68	0.68	594	5.42	3.68	0.68	651	5.42	3.68	0.68	708	6.02	4.09	0.68	747	6.02	4.09	0.68	823	9.16	6.23	0.68	1607	8.76	5.96	0.68	1690	8.43	5.73	0.68	1768	8.10	5.51	0.68	1849
31	24	5.74	3.22	0.56	634	5.74	3.22	0.56	691	5.74	3.22	0.56	748	6.38	3.57	0.56	787	6.38	3.57	0.56	863	9.71	5.44	0.56	1640	9.29	5.20	0.56	1724	8.93	5.00	0.56	1803	8.59	4.81	0.56	1886
31	26	6.03	2.65	0.44	674	6.03	2.65	0.44	731	6.03	2.65	0.44	788	6.70	2.95	0.44	827	6.70	2.95	0.44	903	10.19	4.48	0.44	1672	9.75	4.29	0.44	1758	9.38	4.13	0.44	1839	9.02	3.97	0.44	1924
32	18	4.86	3.99	0.82	515	4.86	3.99	0.82	572	4.86	3.99	0.82	629	5.40	4.43	0.82	668	5.40	4.43	0.82	744	8.22	6.74	0.82	1542	7.86	6.45	0.82	1622	7.56	6.20	0.82	1697	7.27	5.96	0.82	1775
32	20	5.11	4.19	0.82	555	5.11	4.19	0.82	612	5.11	4.19	0.82	669	5.68	4.66	0.82	708	5.68	4.66	0.82	784	8.64	7.08	0.82	1575	8.27	6.78	0.82	1656	7.95	6.52	0.82	1733	7.64	6.27	0.82	1812
32	22	5.42	3.90	0.72	594	5.42	3.90	0.72	651	5.42	3.90	0.72	708	6.02	4.33	0.72	747	6.02	4.33	0.72	823	9.16	6.59	0.72	1607	8.76	6.31	0.72	1690	8.43	6.07	0.72	1768	8.10	5.83	0.72	1849
32	24	5.74	3.45	0.60	634	5.74	3.45	0.60	691	5.74	3.45	0.60	748	6.38	3.83	0.60	787	6.38	3.83	0.60	863	9.71	5.82	0.60	1640	9.29	5.57	0.60	1724	8.93	5.36	0.60	1803	8.59	5.15	0.60	1886
32	26	6.03	2.89	0.48	674	6.03	2.89	0.48	731	6.03	2.89	0.48	788	6.70	3.22	0.48	827	6.70	3.22	0.48	903	10.19	4.89	0.48	1672	9.75	4.68	0.48	1758	9.38	4.50	0.48	1839	9.02	4.33	0.48	1924

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
28	24	8.10	3.56	0.44	2009	7.44	3.27	0.44	2134	6.88	3.03	0.44	2215																						
28	26	8.51	2.72	0.32	2049	7.81	2.50	0.32	2176	7.22	2.31	0.32	2259																						
29	18	6.86	5.63	0.82	1890	6.30	5.16	0.82	2007	5.83	4.78	0.82	2083																						
29	20	7.21	5.19	0.72	1930	6.62	4.77	0.72	2050	6.12	4.41	0.72	2128																						
29	22	7.64	4.59	0.60	1969	7.02	4.21	0.60	2091	6.49	3.89	0.60	2171																						
29	24	8.10	3.89	0.48	2009	7.44	3.57	0.48	2134	6.88	3.30	0.48	2215																						
29	26	8.51	3.06	0.36	2049	7.81	2.81	0.36	2176	7.22	2.60	0.36	2259																						
30	18	6.86	5.63	0.82	1890	6.30	5.16	0.82	2007	5.83	4.78	0.82	2083																						
30	20	7.21	5.48	0.76	1930	6.62	5.03	0.76	2050	6.12	4.65	0.76	2128																						
30	22	7.64	4.89	0.64	1969	7.02	4.49	0.64	2091	6.49	4.15	0.64	2171																						
30	24	8.10	4.21	0.52	2009	7.44	3.87	0.52	2134	6.88	3.58	0.52	2215																						
30	26	8.51	3.40	0.40	2049	7.81	3.12	0.40	2176	7.22	2.89	0.40	2259																						
31	18	6.86	5.63	0.82	1890	6.30	5.16	0.82	2007	5.83	4.78	0.82	2083																						
31	20	7.21	5.77	0.80	1930	6.62	5.30	0.80	2050	6.12	4.90	0.80	2128																						
31	22	7.64	5.20	0.68	1969	7.02	4.77	0.68	2091	6.49	4.41	0.68	2171																						
31	24	8.10	4.54	0.56	2009	7.44	4.16	0.56	2134	6.88	3.85	0.56	2215																						
31	26	8.51	3.74	0.44	2049	7.81	3.44	0.44	2176	7.22	3.18	0.44	2259																						
32	18	6.86	5.63	0.82	1890	6.30	5.16	0.82	2007	5.83	4.78	0.82	2083																						
32	20	7.21	5.91	0.82	1930	6.62	5.43	0.82	2050	6.12	5.02	0.82	2128																						
32	22	7.64	5.50	0.72	1969	7.02	5.05	0.72	2091	6.49	4.67	0.72	2171																						
32	24	8.10	4.86	0.60	2009	7.44	4.46	0.60	2134	6.88	4.13	0.60	2215																						
32	26	8.51	4.08	0.48	2049	7.81	3.75	0.48	2176	7.22	3.47	0.48	2259																						

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-3.5UFE1NH+RAS-3.5UFESNH1

CAPACITY: 8.70 kW SHF: 0.70 INPUT: 2710 W

OUTDOOR DB (°C): -15, -7, 0, 10

INDOOR DB (°C)	INDOOR WB (°C)	-15 Q	-15 SHC	-15 SHF	-15 INPUT	-7 Q	-7 SHC	-7 SHF	-7 INPUT	0 Q	0 SHC	0 SHF	0 INPUT	10 Q	10 SHC	10 SHF	10 INPUT
21	18	6.04	3.14	0.52	739	6.04	3.14	0.52	820	6.04	3.14	0.52	901	6.71	3.49	0.52	956
21	20	6.35	2.54	0.40	779	6.35	2.54	0.40	860	6.35	2.54	0.40	941	7.06	2.82	0.40	996
22	18	6.04	3.39	0.56	739	6.04	3.39	0.56	820	6.04	3.39	0.56	901	6.71	3.76	0.56	956
22	20	6.35	2.80	0.44	779	6.35	2.80	0.44	860	6.35	2.80	0.44	941	7.06	3.10	0.44	996
22	22	6.73	2.16	0.32	818	6.73	2.16	0.32	899	6.73	2.16	0.32	980	7.48	2.39	0.32	1035
23	18	6.04	3.63	0.60	739	6.04	3.63	0.60	820	6.04	3.63	0.60	901	6.71	4.03	0.60	956
23	20	6.35	3.05	0.48	779	6.35	3.05	0.48	860	6.35	3.05	0.48	941	7.06	3.39	0.48	996
23	22	6.73	2.42	0.36	818	6.73	2.42	0.36	899	6.73	2.42	0.36	980	7.48	2.69	0.36	1035
24	18	6.04	3.87	0.64	739	6.04	3.87	0.64	820	6.04	3.87	0.64	901	6.71	4.30	0.64	956
24	20	6.35	3.30	0.52	779	6.35	3.30	0.52	860	6.35	3.30	0.52	941	7.06	3.67	0.52	996
24	22	6.73	2.69	0.40	818	6.73	2.69	0.40	899	6.73	2.69	0.40	980	7.48	2.99	0.40	1035
24	24	7.14	2.00	0.28	858	7.14	2.00	0.28	939	7.14	2.00	0.28	1020	7.93	2.22	0.28	1075
25	18	6.04	4.11	0.68	739	6.04	4.11	0.68	820	6.04	4.11	0.68	901	6.71	4.57	0.68	956
25	20	6.35	3.56	0.56	779	6.35	3.56	0.56	860	6.35	3.56	0.56	941	7.06	3.95	0.56	996
25	22	6.73	2.96	0.44	818	6.73	2.96	0.44	899	6.73	2.96	0.44	980	7.48	3.29	0.44	1035
25	24	7.14	2.28	0.32	858	7.14	2.28	0.32	939	7.14	2.28	0.32	1020	7.93	2.54	0.32	1075
26	18	6.04	4.35	0.72	739	6.04	4.35	0.72	820	6.04	4.35	0.72	901	6.71	4.83	0.72	956
26	20	6.35	3.81	0.60	779	6.35	3.81	0.60	860	6.35	3.81	0.60	941	7.06	4.23	0.60	996
26	22	6.73	3.23	0.48	818	6.73	3.23	0.48	899	6.73	3.23	0.48	980	7.48	3.59	0.48	1035
26	24	7.14	2.57	0.36	858	7.14	2.57	0.36	939	7.14	2.57	0.36	1020	7.93	2.85	0.36	1075
26	26	7.50	1.80	0.24	898	7.50	1.80	0.24	979	7.50	1.80	0.24	1060	8.33	2.00	0.24	1115
27	18	6.04	4.59	0.76	739	6.04	4.59	0.76	820	6.04	4.59	0.76	901	6.71	5.10	0.76	956
27	19	6.17	4.32	0.70	759	6.17	4.32	0.70	840	6.17	4.32	0.70	921	6.85	4.80	0.70	976
27	20	6.35	4.07	0.64	779	6.35	4.07	0.64	860	6.35	4.07	0.64	941	7.06	4.52	0.64	996
27	22	6.73	3.50	0.52	818	6.73	3.50	0.52	899	6.73	3.50	0.52	980	7.48	3.89	0.52	1035
27	24	7.14	2.86	0.40	858	7.14	2.86	0.40	939	7.14	2.86	0.40	1020	7.93	3.17	0.40	1075
27	26	7.50	2.10	0.28	898	7.50	2.10	0.28	979	7.50	2.10	0.28	1060	8.33	2.33	0.28	1115
28	18	6.04	4.84	0.80	739	6.04	4.84	0.80	820	6.04	4.84	0.80	901	6.71	5.37	0.80	956
28	20	6.35	4.32	0.68	779	6.35	4.32	0.68	860	6.35	4.32	0.68	941	7.06	4.80	0.68	996
28	22	6.73	3.77	0.56	818	6.73	3.77	0.56	899	6.73	3.77	0.56	980	7.48	4.19	0.56	1035

OUTDOOR DB (°C): 15, 21, 25, 27

INDOOR DB (°C)	INDOOR WB (°C)	15 Q	15 SHC	15 SHF	15 INPUT	21 Q	21 SHC	21 SHF	21 INPUT	25 Q	25 SHC	25 SHF	25 INPUT	27 Q	27 SHC	27 SHF	27 INPUT
21	18	6.71	3.49	0.52	1064	10.21	5.31	0.52	2195	9.78	5.08	0.52	2309	9.40	4.89	0.52	2415
21	20	7.06	2.82	0.40	1104	10.74	4.29	0.40	2228	10.27	4.11	0.40	2343	9.88	3.95	0.40	2451
22	18	6.71	3.76	0.56	1064	10.21	5.72	0.56	2195	9.78	5.47	0.56	2309	9.40	5.26	0.56	2415
22	20	7.06	3.10	0.44	1104	10.74	4.72	0.44	2228	10.27	4.52	0.44	2343	9.88	4.35	0.44	2451
22	22	7.48	2.39	0.32	1143	11.38	3.64	0.32	2260	10.89	3.48	0.32	2376	10.47	3.35	0.32	2486
23	18	6.71	4.03	0.60	1064	10.21	6.13	0.60	2195	9.78	5.87	0.60	2309	9.40	5.64	0.60	2415
23	20	7.06	3.39	0.48	1104	10.74	5.15	0.48	2228	10.27	4.93	0.48	2343	9.88	4.74	0.48	2451
23	22	7.48	2.69	0.36	1143	11.38	4.10	0.36	2260	10.89	3.92	0.36	2376	10.47	3.77	0.36	2486
24	18	6.71	4.30	0.64	1064	10.21	6.54	0.64	2195	9.78	6.26	0.64	2309	9.40	6.02	0.64	2415
24	20	7.06	3.67	0.52	1104	10.74	5.58	0.52	2228	10.27	5.34	0.52	2343	9.88	5.14	0.52	2451
24	22	7.48	2.99	0.40	1143	11.38	4.55	0.40	2260	10.89	4.36	0.40	2376	10.47	4.19	0.40	2486
24	24	7.93	2.22	0.28	1183	12.06	3.38	0.28	2293	11.54	3.23	0.28	2411	11.10	3.11	0.28	2522
25	18	6.71	4.57	0.68	1064	10.21	6.95	0.68	2195	9.78	6.65	0.68	2309	9.40	6.39	0.68	2415
25	20	7.06	3.95	0.56	1104	10.74	6.01	0.56	2228	10.27	5.75	0.56	2343	9.88	5.53	0.56	2451
25	22	7.48	3.29	0.44	1143	11.38	5.01	0.44	2260	10.89	4.79	0.44	2376	10.47	4.61	0.44	2486
25	24	7.93	2.54	0.32	1183	12.06	3.86	0.32	2293	11.54	3.69	0.32	2411	11.10	3.55	0.32	2522
26	18	6.71	4.83	0.72	1064	10.21	7.35	0.72	2195	9.78	7.04	0.72	2309	9.40	6.77	0.72	2415
26	20	7.06	4.23	0.60	1104	10.74	6.44	0.60	2228	10.27	6.16	0.60	2343	9.88	5.93	0.60	2451
26	22	7.48	3.59	0.48	1143	11.38	5.46	0.48	2260	10.89	5.23	0.48	2376	10.47	5.03	0.48	2486
26	24	7.93	2.85	0.36	1183	12.06	4.34	0.36	2293	11.54	4.16	0.36	2411	11.10	4.00	0.36	2522
26	26	8.33	2.00	0.24	1223	12.67	3.04	0.24	2325	12.12	2.91	0.24	2445	11.65	2.80	0.24	2558
27	18	6.71	5.10	0.76	1064	10.21	7.76	0.76	2195	9.78	7.43	0.76	2309	9.40	7.14	0.76	2415
27	19	6.85	4.80	0.70	1084	10.42	7.30	0.70	2212	9.97	6.98	0.70	2326	9.59	6.71	0.70	2433
27	20	7.06	4.52	0.64	1104	10.74	6.87	0.64	2228	10.27	6.58	0.64	2343	9.88	6.32	0.64	2451
27	22	7.48	3.89	0.52	1143	11.38	5.92	0.52	2260	10.89	5.66	0.52	2376	10.47	5.45	0.52	2486
27	24	7.93	3.17	0.40	1183	12.06	4.83	0.40	2293	11.54	4.62	0.40	2411	11.10	4.44	0.40	2522
27	26	8.33	2.33	0.28	1223	12.67	3.55	0.28	2325	12.12	3.39	0.28	2445	11.65	3.26	0.28	2558
28	18	6.71	5.37	0.80	1064	10.21	8.17	0.80	2195	9.78	7.82	0.80	2309	9.40	7.52	0.80	2415
28	20	7.06	4.80	0.68	1104	10.74	7.30	0.68	2228	10.27	6.99	0.68	2343	9.88	6.72	0.68	2451
28	22	7.48	4.19	0.56	1143	11.38	6.37	0.56	2260	10.89	6.10	0.56	2376	10.47	5.86	0.56	2486

OUTDOOR DB (°C): 30, 35, 40, 48

INDOOR DB (°C)	INDOOR WB (°C)	30 Q	30 SHC	30 SHF	30 INPUT	35 Q	35 SHC	35 SHF	35 INPUT	40 Q	40 SHC	40 SHF	40 INPUT	48 Q	48 SHC	48 SHF	48 INPUT
21	18	9.04	4.70	0.52	2526	8.53	4.43	0.52	2690	7.83	4.07	0.52	2857	7.24	3.76	0.52	2965
21	20	9.50	3.80	0.40	2563	8.96	3.58	0.40	2730	8.23	3.29	0.40	2899	7.61	3.04	0.40	3009
22	18	9.04	5.06	0.56	2526	8.53	4.77	0.56	2690	7.83	4.38	0.56	2857	7.24	4.05	0.56	2965
22	20	9.50	4.18	0.44	2563	8.96	3.94	0.44	2730	8.23	3.62	0.44	2899	7.61	3.35	0.44	3009
22	22	10.07	3.22	0.32	2600	9.50	3.04	0.32	2769	8.72	2.79	0.32	2941	8.07	2.58	0.32	3052
23	18	9.04	5.42	0.60	2526	8.53	5.12	0.60	2690	7.83	4.70	0.60	2857	7.24	4.34	0.60	2965
23	20	9.50	4.56	0.48	2563	8.96	4.30	0.48	2730	8.23	3.95	0.48	2899	7.61	3.65	0.48	3009
23	22	10.07	3.62	0.36	2600	9.50	3.42	0.36	2769	8.72	3.14	0.36	2941	8.07	2.90	0.36	3052
24	18	9.04	5.78	0.64	2526	8.53	5.46	0.64	2690	7.83	5.01	0.64	2857	7.24	4.63	0.64	2965
24	20	9.50	4.94	0.52	2563	8.96	4.66	0.52	2730	8.23	4.28	0.52	2899	7.61	3.96	0.52	3009
24	22	10.07	4.03	0.40	2600	9.50	3.80	0.40	2769	8.72	3.49	0.40	2941	8.07	3.23	0.40	3052
24	24	10.67	2.99	0.28	2638	10.07	2.82	0.28	2809	9.24	2.59	0.28	2983	8.55	2.39	0.28	3097
25	18	9.04	6.15	0.68	2526	8.53	5.80	0.68	2690	7.83	5.32	0.68	2857	7.24	4.92	0.68	2965
25	20	9.50	5.32	0.56	2563	8.96	5.02	0.56	2730	8.23	4.61	0.56	2899	7.61	4.26	0.56	3009
25	22	10.07	4.43	0.44	2600	9.50	4.18	0.44	2769	8.72	3.84	0.44	2941	8.07	3.55	0.44	3052
25	24	10.67	3.42	0.32	2638	10.07	3.22	0.32	2809	9.24	2.96	0.32	2983	8.55	2.74	0.32	3097
26	18	9.04	6.51	0.72	2526	8.53	6.14	0.72	2690	7.83	5.64	0.72	2857	7.24	5.21	0.72	2965
26	20	9.50	5.70	0.60	2563	8.96	5.38	0.60	2730	8.23	4.94	0.60	2899	7.61	4.57	0.60	3009
26	22	10.07	4.83	0.48	2600	9.50	4.56	0.48	2769	8.72	4.19	0.48	2941	8.07	3.87	0.48	3052
26	24	10.67	3.84	0.36	2638	10.07	3.62	0.36	2809	9.24	3.33	0.36	2983	8.55	3.08	0.36	3097
26	26	11.21	2.69	0.24	2675	10.57	2.54	0.24	2849	9.71	2.33	0.24	3026	8.98	2.15	0.24	3141
27	18	9.04	6.87	0.76	2526	8.53	6.48	0.76	2690	7.83	5.95	0.76	2857	7.24	5.50	0.76	2965
27	19	9.22	6.46	0.70	2545	8.70	6.09	0.70	2710	7.99	5.59	0.70	2878	7.39	5.17	0.70	2987
27	20	9.50	6.08	0.64	2563	8.96	5.74	0.64	2730	8.23	5.26	0.64	2899	7.61	4.87	0.64	3009
27	22	10.07	5.24	0.52	2600	9.50	4.94	0.52	2769	8.72	4.53	0.52	2941	8.07	4.19	0.52	3052
27	24	10.67	4.27	0.40	2638	10.07	4.03	0.40	2809	9.24	3.70	0.40	2983	8.55	3.42	0.40	3097
27	26	11.21	3.14	0.28	2675	10.57	2.96	0.28	2849	9.71	2.72	0.28	3026	8.98	2.51	0.28	3141
28	18	9.04	7.23	0.80	2526	8.53	6.82	0.80	2690	7.83	6.26	0.80	2857	7.24	5.79	0.80	2965
28	20	9.50	6.46	0.68	2563	8.96	6.09	0.68	2730	8.23	5.59	0.68	2899	7.61	5.17	0.68	3009
28	22	10.07	5.64	0.56	2600	9.50	5.32	0.56	2769	8.72	4.88	0.56	2941	8.07	4.52	0.56	3052

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-3.5UFE1NH+RAS-3.5UFESNH1

CAPACITY: 8.70 kW SHF: 0.70 INPUT: 2710 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																					
		-15				-7				0				10				15				21				25				27				30				35				40				48			
		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	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	7.14	3.14	0.44	858	7.14	3.14	0.44	939	7.14	3.14	0.44	1020	7.93	3.49	0.44	1075	7.93	3.49	0.44	1183	12.06	5.31	0.44	2293	11.54	5.08	0.44	2411	11.10	4.88	0.44	2522	10.67	4.70	0.44	2638	10.07	4.43	0.44	2809	9.24	4.07	0.44	2983	8.55	3.76	0.44	3097
28	26	7.50	2.40	0.32	898	7.50	2.40	0.32	979	7.50	2.40	0.32	1060	8.33	2.66	0.32	1115	8.33	2.66	0.32	1223	12.67	4.05	0.32	2325	12.12	3.88	0.32	2445	11.65	3.73	0.32	2558	11.21	3.59	0.32	2675	10.57	3.38	0.32	2849	9.71	3.11	0.32	3026	8.98	2.87	0.32	3141
29	18	6.04	4.96	0.82	739	6.04	4.96	0.82	820	6.04	4.96	0.82	901	6.71	5.51	0.82	956	6.71	5.51	0.82	1064	10.21	8.38	0.82	2195	9.78	8.02	0.82	2309	9.40	7.71	0.82	2415	9.04	7.41	0.82	2526	8.53	6.99	0.82	2690	7.83	6.42	0.82	2857	7.24	5.94	0.82	2965
29	20	6.35	4.57	0.72	779	6.35	4.57	0.72	860	6.35	4.57	0.72	941	7.06	5.08	0.72	996	7.06	5.08	0.72	1104	10.74	7.73	0.72	2228	10.27	7.40	0.72	2343	9.88	7.11	0.72	2451	9.50	6.84	0.72	2563	8.96	6.45	0.72	2730	8.23	5.92	0.72	2899	7.61	5.48	0.72	3009
29	22	6.73	4.04	0.60	818	6.73	4.04	0.60	899	6.73	4.04	0.60	980	7.48	4.49	0.60	1035	7.48	4.49	0.60	1143	11.38	6.83	0.60	2260	10.89	6.53	0.60	2376	10.47	6.28	0.60	2486	10.07	6.04	0.60	2600	9.50	5.70	0.60	2769	8.72	5.23	0.60	2941	8.07	4.84	0.60	3052
29	24	7.14	3.43	0.48	858	7.14	3.43	0.48	939	7.14	3.43	0.48	1020	7.93	3.81	0.48	1075	7.93	3.81	0.48	1183	12.06	5.79	0.48	2293	11.54	5.54	0.48	2411	11.10	5.33	0.48	2522	10.67	5.12	0.48	2638	10.07	4.83	0.48	2809	9.24	4.44	0.48	2983	8.55	4.10	0.48	3097
29	26	7.50	2.70	0.36	898	7.50	2.70	0.36	979	7.50	2.70	0.36	1060	8.33	3.00	0.36	1115	8.33	3.00	0.36	1223	12.67	4.56	0.36	2325	12.12	4.36	0.36	2445	11.65	4.20	0.36	2558	11.21	4.03	0.36	2675	10.57	3.81	0.36	2849	9.71	3.49	0.36	3026	8.98	3.23	0.36	3141
30	18	6.04	4.96	0.82	739	6.04	4.96	0.82	820	6.04	4.96	0.82	901	6.71	5.51	0.82	956	6.71	5.51	0.82	1064	10.21	8.38	0.82	2195	9.78	8.02	0.82	2309	9.40	7.71	0.82	2415	9.04	7.41	0.82	2526	8.53	6.99	0.82	2690	7.83	6.42	0.82	2857	7.24	5.94	0.82	2965
30	20	6.35	4.83	0.76	779	6.35	4.83	0.76	860	6.35	4.83	0.76	941	7.06	5.36	0.76	996	7.06	5.36	0.76	1104	10.74	8.16	0.76	2228	10.27	7.81	0.76	2343	9.88	7.51	0.76	2451	9.50	7.22	0.76	2563	8.96	6.81	0.76	2730	8.23	6.25	0.76	2899	7.61	5.78	0.76	3009
30	22	6.73	4.31	0.64	818	6.73	4.31	0.64	899	6.73	4.31	0.64	980	7.48	4.79	0.64	1035	7.48	4.79	0.64	1143	11.38	7.28	0.64	2260	10.89	6.97	0.64	2376	10.47	6.70	0.64	2486	10.07	6.44	0.64	2600	9.50	6.08	0.64	2769	8.72	5.58	0.64	2941	8.07	5.16	0.64	3052
30	24	7.14	3.71	0.52	858	7.14	3.71	0.52	939	7.14	3.71	0.52	1020	7.93	4.12	0.52	1075	7.93	4.12	0.52	1183	12.06	6.27	0.52	2293	11.54	6.00	0.52	2411	11.10	5.77	0.52	2522	10.67	5.55	0.52	2638	10.07	5.24	0.52	2809	9.24	4.81	0.52	2983	8.55	4.45	0.52	3097
30	26	7.50	3.00	0.40	898	7.50	3.00	0.40	979	7.50	3.00	0.40	1060	8.33	3.33	0.40	1115	8.33	3.33	0.40	1223	12.67	5.07	0.40	2325	12.12	4.85	0.40	2445	11.65	4.66	0.40	2558	11.21	4.48	0.40	2675	10.57	4.23	0.40	2849	9.71	3.88	0.40	3026	8.98	3.59	0.40	3141
31	18	6.04	4.96	0.82	739	6.04	4.96	0.82	820	6.04	4.96	0.82	901	6.71	5.51	0.82	956	6.71	5.51	0.82	1064	10.21	8.38	0.82	2195	9.78	8.02	0.82	2309	9.40	7.71	0.82	2415	9.04	7.41	0.82	2526	8.53	6.99	0.82	2690	7.83	6.42	0.82	2857	7.24	5.94	0.82	2965
31	20	6.35	5.08	0.80	779	6.35	5.08	0.80	860	6.35	5.08	0.80	941	7.06	5.65	0.80	996	7.06	5.65	0.80	1104	10.74	8.59	0.80	2228	10.27	8.22	0.80	2343	9.88	7.90	0.80	2451	9.50	7.60	0.80	2563	8.96	7.17	0.80	2730	8.23	6.58	0.80	2899	7.61	6.09	0.80	3009
31	22	6.73	4.58	0.68	818	6.73	4.58	0.68	899	6.73	4.58	0.68	980	7.48	5.09	0.68	1035	7.48	5.09	0.68	1143	11.38	7.74	0.68	2260	10.89	7.41	0.68	2376	10.47	7.12	0.68	2486	10.07	6.85	0.68	2600	9.50	6.46	0.68	2769	8.72	5.93	0.68	2941	8.07	5.48	0.68	3052
31	24	7.14	4.00	0.56	858	7.14	4.00	0.56	939	7.14	4.00	0.56	1020	7.93	4.44	0.56	1075	7.93	4.44	0.56	1183	12.06	6.76	0.56	2293	11.54	6.46	0.56	2411	11.10	6.22	0.56	2522	10.67	5.98	0.56	2638	10.07	5.64	0.56	2809	9.24	5.18	0.56	2983	8.55	4.79	0.56	3097
31	26	7.50	3.30	0.44	898	7.50	3.30	0.44	979	7.50	3.30	0.44	1060	8.33	3.66	0.44	1115	8.33	3.66	0.44	1223	12.67	5.57	0.44	2325	12.12	5.33	0.44	2445	11.65	5.13	0.44	2558	11.21	4.93	0.44	2675	10.57	4.65	0.44	2849	9.71	4.27	0.44	3026	8.98	3.95	0.44	3141
32	18	6.04	4.96	0.82	739	6.04	4.96	0.82	820	6.04	4.96	0.82	901	6.71	5.51	0.82	956	6.71	5.51	0.82	1064	10.21	8.38	0.82	2195	9.78	8.02	0.82	2309	9.40	7.71	0.82	2415	9.04	7.41	0.82	2526	8.53	6.99	0.82	2690	7.83	6.42	0.82	2857	7.24	5.94	0.82	2965
32	20	6.35	5.21	0.82	779	6.35	5.21	0.82	860	6.35	5.21	0.82	941	7.06	5.79	0.82	996	7.06	5.79	0.82	1104	10.74	8.80	0.82	2228	10.27	8.42	0.82	2343	9.88	8.10	0.82	2451	9.50	7.79	0.82	2563	8.96	7.35	0.82	2730	8.23	6.75	0.82	2899	7.61	6.24	0.82	3009
32	22	6.73	4.85	0.72	818	6.73	4.85	0.72	899	6.73	4.85	0.72	980	7.48	5.39	0.72	1035	7.48	5.39	0.72	1143	11.38	8.19	0.72	2260	10.89	7.84	0.72	2376	10.47	7.54	0.72	2486	10.07	7.25	0.72	2600	9.50	6.84	0.72	2769	8.72	6.28	0.72	2941	8.07	5.81	0.72	3052
32	24	7.14	4.28	0.60	858	7.14	4.28	0.60	939	7.14	4.28	0.60	1020	7.93	4.76	0.60	1075	7.93	4.76	0.60	1183	12.06	7.24	0.60	2293	11.54	6.93	0.60	2411	11.10	6.66	0.60	2522	10.67	6.40	0.60	2638	10.07	6.04	0.60	2809	9.24	5.55	0.60	2983	8.55	5.13	0.60	3097
32	26	7.50	3.60	0.48	898	7.50	3.60	0.48	979	7.50	3.60	0.48	1060	8.33	4.00	0.48	1115	8.33	4.00	0.48	1223	12.67	6.08	0.48	2325	12.12	5.82	0.48	2445	11.65	5.59	0.48	2558	11.21	5.38	0.48	2675	10.57	5.07	0.48	2849	9.71	4.66	0.48	3026	8.98	4.31	0.48	3141

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-4.0UFE1NH+RAS-4.0UFESNH1

CAPACITY: 10.10 kW SHF: 0.70 INPUT: 3720 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	7.02	3.65	0.52	1022	7.02	3.65	0.52	1133	7.02	3.65	0.52	1245	7.79	4.05	0.52	1319	7.79	4.05	0.52	1468	11.86	6.17	0.52	3020	11.35	5.90	0.52	3175	10.91	5.67	0.52	3321	10.49	5.46	0.52	3474
21	20	7.38	2.95	0.40	1062	7.38	2.95	0.40	1173	7.38	2.95	0.40	1285	8.19	3.28	0.40	1359	8.19	3.28	0.40	1508	12.46	4.99	0.40	3052	11.93	4.77	0.40	3210	11.47	4.59	0.40	3357	11.03	4.41	0.40	3512
22	18	7.02	3.93	0.56	1022	7.02	3.93	0.56	1133	7.02	3.93	0.56	1245	7.79	4.37	0.56	1319	7.79	4.37	0.56	1468	11.86	6.64	0.56	3020	11.35	6.35	0.56	3175	10.91	6.11	0.56	3321	10.49	5.88	0.56	3474
22	20	7.38	3.25	0.44	1062	7.38	3.25	0.44	1173	7.38	3.25	0.44	1285	8.19	3.60	0.44	1359	8.19	3.60	0.44	1508	12.46	5.48	0.44	3052	11.93	5.25	0.44	3210	11.47	5.05	0.44	3357	11.03	4.85	0.44	3512
22	22	7.82	2.50	0.32	1101	7.82	2.50	0.32	1212	7.82	2.50	0.32	1324	8.68	2.78	0.32	1398	8.68	2.78	0.32	1547	13.21	4.23	0.32	3084	12.64	4.05	0.32	3243	12.16	3.89	0.32	3392	11.69	3.74	0.32	3548
23	18	7.02	4.21	0.60	1022	7.02	4.21	0.60	1133	7.02	4.21	0.60	1245	7.79	4.68	0.60	1319	7.79	4.68	0.60	1468	11.86	7.12	0.60	3020	11.35	6.81	0.60	3175	10.91	6.55	0.60	3321	10.49	6.30	0.60	3474
23	20	7.38	3.54	0.48	1062	7.38	3.54	0.48	1173	7.38	3.54	0.48	1285	8.19	3.93	0.48	1359	8.19	3.93	0.48	1508	12.46	5.98	0.48	3052	11.93	5.72	0.48	3210	11.47	5.50	0.48	3357	11.03	5.29	0.48	3512
23	22	7.82	2.81	0.36	1101	7.82	2.81	0.36	1212	7.82	2.81	0.36	1324	8.68	3.13	0.36	1398	8.68	3.13	0.36	1547	13.21	4.76	0.36	3084	12.64	4.55	0.36	3243	12.16	4.38	0.36	3392	11.69	4.21	0.36	3548
24	18	7.02	4.49	0.64	1022	7.02	4.49	0.64	1133	7.02	4.49	0.64	1245	7.79	4.99	0.64	1319	7.79	4.99	0.64	1468	11.86	7.59	0.64	3020	11.35	7.26	0.64	3175	10.91	6.98	0.64	3321	10.49	6.71	0.64	3474
24	20	7.38	3.84	0.52	1062	7.38	3.84	0.52	1173	7.38	3.84	0.52	1285	8.19	4.26	0.52	1359	8.19	4.26	0.52	1508	12.46	6.48	0.52	3052	11.93	6.20	0.52	3210	11.47	5.96	0.52	3357	11.03	5.73	0.52	3512
24	22	7.82	3.13	0.40	1101	7.82	3.13	0.40	1212	7.82	3.13	0.40	1324	8.68	3.47	0.40	1398	8.68	3.47	0.40	1547	13.21	5.28	0.40	3084	12.64	5.06	0.40	3243	12.16	4.86	0.40	3392	11.69	4.68	0.40	3548
24	24	8.29	2.32	0.28	1141	8.29	2.32	0.28	1252	8.29	2.32	0.28	1364	9.20	2.58	0.28	1438	9.20	2.58	0.28	1587	14.00	3.92	0.28	3117	13.40	3.75	0.28	3277	12.89	3.61	0.28	3428	12.39	3.47	0.28	3586
25	18	7.02	4.77	0.68	1022	7.02	4.77	0.68	1133	7.02	4.77	0.68	1245	7.79	5.30	0.68	1319	7.79	5.30	0.68	1468	11.86	8.06	0.68	3020	11.35	7.72	0.68	3175	10.91	7.42	0.68	3321	10.49	7.13	0.68	3474
25	20	7.38	4.13	0.56	1062	7.38	4.13	0.56	1173	7.38	4.13	0.56	1285	8.19	4.59	0.56	1359	8.19	4.59	0.56	1508	12.46	6.98	0.56	3052	11.93	6.68	0.56	3210	11.47	6.42	0.56	3357	11.03	6.18	0.56	3512
25	22	7.82	3.44	0.44	1101	7.82	3.44	0.44	1212	7.82	3.44	0.44	1324	8.68	3.82	0.44	1398	8.68	3.82	0.44	1547	13.21	5.81	0.44	3084	12.64	5.56	0.44	3243	12.16	5.35	0.44	3392	11.69	5.14	0.44	3548
25	24	8.29	2.65	0.32	1141	8.29	2.65	0.32	1252	8.29	2.65	0.32	1364	9.20	2.95	0.32	1438	9.20	2.95	0.32	1587	14.00	4.48	0.32	3117	13.40	4.29	0.32	3277	12.89	4.12	0.32	3428	12.39	3.96	0.32	3586
26	18	7.02	5.05	0.72	1022	7.02	5.05	0.72	1133	7.02	5.05	0.72	1245	7.79	5.61	0.72	1319	7.79	5.61	0.72	1468	11.86	8.54	0.72	3020	11.35	8.17	0.72	3175	10.91	7.86	0.72	3321	10.49	7.55	0.72	3474
26	20	7.38	4.43	0.60	1062	7.38	4.43	0.60	1173	7.38	4.43	0.60	1285	8.19	4.92	0.60	1359	8.19	4.92	0.60	1508	12.46	7.48	0.60	3052	11.93	7.16	0.60	3210	11.47	6.88	0.60	3357	11.03	6.62	0.60	3512
26	22	7.82	3.75	0.48	1101	7.82	3.75	0.48	1212	7.82	3.75	0.48	1324	8.68	4.17	0.48	1398	8.68	4.17	0.48	1547	13.21	6.34	0.48	3084	12.64	6.07	0.48	3243	12.16	5.84	0.48	3392	11.69	5.61	0.48	3548
26	24	8.29	2.98	0.36	1141	8.29	2.98	0.36	1252	8.29	2.98	0.36	1364	9.20	3.31	0.36	1438	9.20	3.31	0.36	1587	14.00	5.04	0.36	3117	13.40	4.82	0.36	3277	12.89	4.64	0.36	3428	12.39	4.46	0.36	3586
26	26	8.70	2.09	0.24	1181	8.70	2.09	0.24	1292	8.70	2.09	0.24	1404	9.67	2.32	0.24	1478	9.67	2.32	0.24	1627	14.70	3.53	0.24	3149	14.07	3.38	0.24	3312	13.53	3.25	0.24	3464	13.01	3.12	0.24	3624
27	18	7.02	5.33	0.76	1022	7.02	5.33	0.76	1133	7.02	5.33	0.76	1245	7.79	5.92	0.76	1319	7.79	5.92	0.76	1468	11.86	9.01	0.76	3020	11.35	8.62	0.76	3175	10.91	8.29	0.76	3321	10.49	7.97	0.76	3474
27	19	7.16	5.01	0.70	1042	7.16	5.01	0.70	1153	7.16	5.01	0.70	1265	7.95	5.57	0.70	1339	7.95	5.57	0.70	1488	12.10	8.47	0.70	3036	11.58	8.11	0.70	3192	11.13	7.79	0.70	3339	10.71	7.49	0.70	3493
27	20	7.38	4.72	0.64	1062	7.38	4.72	0.64	1173	7.38	4.72	0.64	1285	8.19	5.24	0.64	1359	8.19	5.24	0.64	1508	12.46	7.98	0.64	3052	11.93	7.63	0.64	3210	11.47	7.34	0.64	3357	11.03	7.06	0.64	3512
27	22	7.82	4.07	0.52	1101	7.82	4.07	0.52	1212	7.82	4.07	0.52	1324	8.68	4.52	0.52	1398	8.68	4.52	0.52	1547	13.21	6.87	0.52	3084	12.64	6.57	0.52	3243	12.16	6.32	0.52	3392	11.69	6.08	0.52	3548
27	24	8.29	3.31	0.40	1141	8.29	3.31	0.40	1252	8.29	3.31	0.40	1364	9.20	3.68	0.40	1438	9.20	3.68	0.40	1587	14.00	5.60	0.40	3117	13.40	5.36	0.40	3277	12.89	5.15	0.40	3428	12.39	4.96	0.40	3586
27	26	8.70	2.44	0.28	1181	8.70	2.44	0.28	1292	8.70	2.44	0.28	1404	9.67	2.71	0.28	1478	9.67	2.71	0.28	1627	14.70	4.12	0.28	3149	14.07	3.94	0.28	3312	13.53	3.79	0.28	3464	13.01	3.64	0.28	3624
28	18	7.02	5.61	0.80	1022	7.02	5.61	0.80	1133	7.02	5.61	0.80	1245	7.79	6.24	0.80	1319	7.79	6.24	0.80	1468	11.86	9.49	0.80	3020	11.35	9.08	0.80	3175	10.91	8.73	0.80	3321	10.49	8.39	0.80	3474
28	20	7.38	5.02	0.68	1062	7.38	5.02	0.68	1173	7.38	5.02	0.68	1285	8.19	5.57	0.68	1359	8.19	5.57	0.68	1508	12.46	8.48	0.68	3052	11.93	8.11	0.68	3210	11.47	7.80	0.68	3357	11.03	7.50	0.68	3512
28	22	7.82	4.38	0.56	1101	7.82	4.38	0.56	1212	7.82	4.38	0.56	1324	8.68	4.86	0.56	1398	8.68	4.86	0.56	1547	13.21	7.40	0.56	3084	12.64	7.08	0.56	3243	12.16	6.81	0.56	3392	11.69	6.55	0.56	3548

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
21	18	9.90	5.15	0.52	3700	9.09	4.72	0.52	3929	8.40	4.37	0.52	4079																						
21	20	10.40	4.16	0.40	3740	9.55	3.82	0.40	3972	8.83	3.53	0.40	4123																						
22	18	9.90	5.54	0.56	3700	9.09	5.09	0.56	3929	8.40	4.71	0.56	4079																						
22	20	10.40	4.58	0.44	3740	9.55	4.20	0.44	3972	8.83	3.89	0.44	4123																						
22	22	11.03	3.53	0.32	3779	10.12	3.24	0.32	4013	9.36	3.00	0.32	4166																						
23	18	9.90	5.94	0.60	3700	9.09	5.45	0.60	3929	8.40	5.04	0.60	4079																						
23	20	10.40	4.99	0.48	3740	9.55	4.58	0.48	3972	8.83	4.24	0.48	4123																						
23	22	11.03	3.97	0.36	3779	10.12	3.64	0.36	4013	9.36	3.37	0.36	4166																						
24	18	9.90	6.33	0.64	3700	9.09	5.82	0.64	3929	8.40	5.38	0.64	4079																						
24	20	10.40	5.41	0.52	3740	9.55	4.97	0.52	3972	8.83	4.59	0.52	4123																						
24	22	11.03	4.41	0.40	3779	10.12	4.05	0.40	4013	9.36	3.75	0.40	4166																						
24	24	11.69	3.27	0.28	3819	10.73	3.00	0.28	4056	9.93	2.78	0.28	4210																						
25	18	9.90	6.73	0.68	3700	9.09	6.18	0.68	3929	8.40	5.72	0.68	4079																						
25	20	10.40	5.83	0.56	3740	9.55	5.35	0.56	3972	8.83	4.95	0.56	4123																						
25	22	11.03	4.85	0.44	3779	10.12	4.45	0.44	4013	9.36	4.12	0.44	4166																						
25	24	11.69	3.74	0.32	3819	10.73	3.43	0.32	4056	9.93	3.18	0.32	4210																						
26	18	9.90	7.13	0.72	3700	9.09	6.54	0.72	3929	8.40	6.05	0.72	4079																						
26	20	10.40	6.24	0.60	3740	9.55	5.73	0.60	3972	8.83	5.30	0.60	4123																						
26	22	11.03	5.29	0.48	3779	10.12	4.86	0.48	4013	9.36	4.49	0.48	4166																						
26	24	11.69	4.21	0.36	3819	10.73	3.86	0.36	4056	9.93	3.57	0.36	4210																						
26	26	12.27	2.95	0.24	3859	11.27	2.70	0.24	4098	10.42	2.50	0.24	4254																						
27	18	9.90	7.52	0.76	3700	9.09	6.91	0.76	3929	8.40	6.39	0.76	4079																						
27	19	10.10	7.07	0.70	3720	9.27	6.49	0.70	3951	8.58	6.00	0.70	4101																						
27	20	10.40	6.66	0.64	3740	9.55	6.11	0.64	3972	8.83	5.65	0.64	4123																						
27	22	11.03	5.73	0.52	3779	10.12	5.26	0.52	4013	9.36	4.87	0.52	4166																						
27	24	11.69	4.68	0.40	3819	10.73	4.29	0.40	4056	9.93	3.97	0.40	4210																						
27	26	12.27	3.44	0.28	3859	11.27	3.15	0.28	4098	10.42	2.92	0.28	4254																						
28	18	9.90	7.92	0.80	3700	9.09	7.27	0.80	3929	8.40	6.72	0.80	4079																						
28	20	10.40	7.07	0.68	3740	9.55	6.49	0.68	3972	8.83	6.01	0.68	4123																						
28	22	11.03	6.18	0.56	3779	10.12	5.67	0.56	4013	9.36	5.24	0.56	4166																						

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-4.0UFE1NH+RAS-4.0UFESNH1

CAPACITY: 10.10 kW SHF: 0.70 INPUT: 3720 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	8.29	3.65	0.44	1141	8.29	3.65	0.44	1252	8.29	3.65	0.44	1364	9.20	4.05	0.44	1438	9.20	4.05	0.44	1587	14.00	6.16	0.44	3117	13.40	5.90	0.44	3277	12.89	5.67	0.44	3428	12.39	5.45	0.44	3586
28	26	8.70	2.78	0.32	1181	8.70	2.78	0.32	1292	8.70	2.78	0.32	1404	9.67	3.09	0.32	1478	9.67	3.09	0.32	1627	14.70	4.71	0.32	3149	14.07	4.50	0.32	3312	13.53	4.33	0.32	3464	13.01	4.16	0.32	3624
29	18	7.02	5.75	0.82	1022	7.02	5.75	0.82	1133	7.02	5.75	0.82	1245	7.79	6.39	0.82	1319	7.79	6.39	0.82	1468	11.86	9.72	0.82	3020	11.35	9.31	0.82	3175	10.91	8.95	0.82	3321	10.49	8.60	0.82	3474
29	20	7.38	5.31	0.72	1062	7.38	5.31	0.72	1173	7.38	5.31	0.72	1285	8.19	5.90	0.72	1359	8.19	5.90	0.72	1508	12.46	8.97	0.72	3052	11.93	8.59	0.72	3210	11.47	8.26	0.72	3357	11.03	7.94	0.72	3512
29	22	7.82	4.69	0.60	1101	7.82	4.69	0.60	1212	7.82	4.69	0.60	1324	8.68	5.21	0.60	1398	8.68	5.21	0.60	1547	13.21	7.93	0.60	3084	12.64	7.59	0.60	3243	12.16	7.29	0.60	3392	11.69	7.01	0.60	3548
29	24	8.29	3.98	0.48	1141	8.29	3.98	0.48	1252	8.29	3.98	0.48	1364	9.20	4.42	0.48	1438	9.20	4.42	0.48	1587	14.00	6.72	0.48	3117	13.40	6.43	0.48	3277	12.89	6.19	0.48	3428	12.39	5.95	0.48	3586
29	26	8.70	3.13	0.36	1181	8.70	3.13	0.36	1292	8.70	3.13	0.36	1404	9.67	3.48	0.36	1478	9.67	3.48	0.36	1627	14.70	5.29	0.36	3149	14.07	5.07	0.36	3312	13.53	4.87	0.36	3464	13.01	4.68	0.36	3624
30	18	7.02	5.75	0.82	1022	7.02	5.75	0.82	1133	7.02	5.75	0.82	1245	7.79	6.39	0.82	1319	7.79	6.39	0.82	1468	11.86	9.72	0.82	3020	11.35	9.31	0.82	3175	10.91	8.95	0.82	3321	10.49	8.60	0.82	3474
30	20	7.38	5.61	0.76	1062	7.38	5.61	0.76	1173	7.38	5.61	0.76	1285	8.19	6.23	0.76	1359	8.19	6.23	0.76	1508	12.46	9.47	0.76	3052	11.93	9.06	0.76	3210	11.47	8.72	0.76	3357	11.03	8.38	0.76	3512
30	22	7.82	5.00	0.64	1101	7.82	5.00	0.64	1212	7.82	5.00	0.64	1324	8.68	5.56	0.64	1398	8.68	5.56	0.64	1547	13.21	8.46	0.64	3084	12.64	8.09	0.64	3243	12.16	7.78	0.64	3392	11.69	7.48	0.64	3548
30	24	8.29	4.31	0.52	1141	8.29	4.31	0.52	1252	8.29	4.31	0.52	1364	9.20	4.79	0.52	1438	9.20	4.79	0.52	1587	14.00	7.28	0.52	3117	13.40	6.97	0.52	3277	12.89	6.70	0.52	3428	12.39	6.44	0.52	3586
30	26	8.70	3.48	0.40	1181	8.70	3.48	0.40	1292	8.70	3.48	0.40	1404	9.67	3.87	0.40	1478	9.67	3.87	0.40	1627	14.70	5.88	0.40	3149	14.07	5.63	0.40	3312	13.53	5.41	0.40	3464	13.01	5.20	0.40	3624
31	18	7.02	5.75	0.82	1022	7.02	5.75	0.82	1133	7.02	5.75	0.82	1245	7.79	6.39	0.82	1319	7.79	6.39	0.82	1468	11.86	9.72	0.82	3020	11.35	9.31	0.82	3175	10.91	8.95	0.82	3321	10.49	8.60	0.82	3474
31	20	7.38	5.90	0.80	1062	7.38	5.90	0.80	1173	7.38	5.90	0.80	1285	8.19	6.55	0.80	1359	8.19	6.55	0.80	1508	12.46	9.97	0.80	3052	11.93	9.54	0.80	3210	11.47	9.17	0.80	3357	11.03	8.82	0.80	3512
31	22	7.82	5.32	0.68	1101	7.82	5.32	0.68	1212	7.82	5.32	0.68	1324	8.68	5.91	0.68	1398	8.68	5.91	0.68	1547	13.21	8.98	0.68	3084	12.64	8.60	0.68	3243	12.16	8.27	0.68	3392	11.69	7.95	0.68	3548
31	24	8.29	4.64	0.56	1141	8.29	4.64	0.56	1252	8.29	4.64	0.56	1364	9.20	5.15	0.56	1438	9.20	5.15	0.56	1587	14.00	7.84	0.56	3117	13.40	7.50	0.56	3277	12.89	7.22	0.56	3428	12.39	6.94	0.56	3586
31	26	8.70	3.83	0.44	1181	8.70	3.83	0.44	1292	8.70	3.83	0.44	1404	9.67	4.25	0.44	1478	9.67	4.25	0.44	1627	14.70	6.47	0.44	3149	14.07	6.19	0.44	3312	13.53	5.95	0.44	3464	13.01	5.72	0.44	3624
32	18	7.02	5.75	0.82	1022	7.02	5.75	0.82	1133	7.02	5.75	0.82	1245	7.79	6.39	0.82	1319	7.79	6.39	0.82	1468	11.86	9.72	0.82	3020	11.35	9.31	0.82	3175	10.91	8.95	0.82	3321	10.49	8.60	0.82	3474
32	20	7.38	6.05	0.82	1062	7.38	6.05	0.82	1173	7.38	6.05	0.82	1285	8.19	6.72	0.82	1359	8.19	6.72	0.82	1508	12.46	10.22	0.82	3052	11.93	9.78	0.82	3210	11.47	9.40	0.82	3357	11.03	9.04	0.82	3512
32	22	7.82	5.63	0.72	1101	7.82	5.63	0.72	1212	7.82	5.63	0.72	1324	8.68	6.25	0.72	1398	8.68	6.25	0.72	1547	13.21	9.51	0.72	3084	12.64	9.10	0.72	3243	12.16	8.75	0.72	3392	11.69	8.42	0.72	3548
32	24	8.29	4.97	0.60	1141	8.29	4.97	0.60	1252	8.29	4.97	0.60	1364	9.20	5.52	0.60	1438	9.20	5.52	0.60	1587	14.00	8.40	0.60	3117	13.40	8.04	0.60	3277	12.89	7.73	0.60	3428	12.39	7.43	0.60	3586
32	26	8.70	4.18	0.48	1181	8.70	4.18	0.48	1292	8.70	4.18	0.48	1404	9.67	4.64	0.48	1478	9.67	4.64	0.48	1627	14.70	7.06	0.48	3149	14.07	6.75	0.48	3312	13.53	6.49	0.48	3464	13.01	6.24	0.48	3624

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		30				35				40				48																					
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																		
28	24	12.39	5.45	0.44	3586	11.69	5.14	0.44	3819	10.73	4.72	0.44	4056	9.93	4.37	0.44	4210																		
28	26	13.01	4.16	0.32	3624	12.27	3.93	0.32	3859	11.27	3.61	0.32	4098	10.42	3.33	0.32	4254																		
29	18	10.49	8.60	0.82	3474	9.90	8.12	0.82	3700	9.09	7.45	0.82	3929	8.40	6.89	0.82	4079																		
29	20	11.03	7.94	0.72	3512	10.40	7.49	0.72	3740	9.55	6.88	0.72	3972	8.83	6.36	0.72	4123																		
29	22	11.69	7.01	0.60	3548	11.03	6.62	0.60	3779	10.12	6.07	0.60	4013	9.36	5.62	0.60	4166																		
29	24	12.39	5.95	0.48	3586	11.69	5.61	0.48	3819	10.73	5.15	0.48	4056	9.93	4.76	0.48	4210																		
29	26	13.01	4.68	0.36	3624	12.27	4.42	0.36	3859	11.27	4.06	0.36	4098	10.42	3.75	0.36	4254																		
30	18	10.49	8.60	0.82	3474	9.90	8.12	0.82	3700	9.09	7.45	0.82	3929	8.40	6.89	0.82	4079																		
30	20	11.03	8.38	0.76	3512	10.40	7.91	0.76	3740	9.55	7.26	0.76	3972	8.83	6.71	0.76	4123																		
30	22	11.69	7.48	0.64	3548	11.03	7.06	0.64	3779	10.12	6.48	0.64	4013	9.36	5.99	0.64	4166																		
30	24	12.39	6.44	0.52	3586	11.69	6.08	0.52	3819	10.73	5.58	0.52	4056	9.93	5.16	0.52	4210																		
30	26	13.01	5.20	0.40	3624	12.27	4.91	0.40	3859	11.27	4.51	0.40	4098	10.42	4.17	0.40	4254																		
31	18	10.49	8.60	0.82	3474	9.90	8.12	0.82	3700	9.09	7.45	0.82	3929	8.40	6.89	0.82	4079																		
31	20	11.03	8.82	0.80	3512	10.40	8.32	0.80	3740	9.55	7.64	0.80	3972	8.83	7.07	0.80	4123																		
31	22	11.69	7.95	0.68	3548	11.03	7.50	0.68	3779	10.12	6.88	0.68	4013	9.36	6.37	0.68	4166																		
31	24	12.39	6.94	0.56	3586	11.69	6.55	0.56	3819	10.73	6.01	0.56	4056	9.93	5.56	0.56	4210																		
31	26	13.01	5.72	0.44	3624	12.27	5.40	0.44	3859	11.27	4.96	0.44	4098	10.42	4.59	0.44	4254																		
32	18	10.49	8.60	0.82	3474	9.90	8.12	0.82	3700	9.09	7.45	0.82	3929	8.40	6.89	0.82	4079																		
32	20	11.03	9.04	0.82	3512	10.40	8.53	0.82	3740	9.55	7.83	0.82	3972	8.83	7.24	0.82	4123																		
32	22	11.69	8.42	0.72	3548	11.03	7.94	0.72	3779	10.12	7.29	0.72	4013	9.36	6.74	0.72	4166																		
32	24	12.39	7.43	0.60	3586	11.69	7.01	0.60	3819	10.73	6.44	0.60	4056	9.93	5.96	0.60	4210																		
32	26	13.01	6.24	0.48	3624	12.27	5.89	0.48	3859	11.27	5.41	0.48	4098	10.42	5.00	0.48	4254																		

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-5.0UFE1NH+RAS-5.0UFESNH1

CAPACITY: 12.70 kW SHF: 0.70 INPUT: 4310 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30				35				40				48			
		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	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8.82	4.59	0.52	1187	8.82	4.59	0.52	1316	8.82	4.59	0.52	1445	9.80	5.10	0.52	1532	9.80	5.10	0.52	1704	14.91	7.75	0.52	3501	14.27	7.42	0.52	3682	13.72	7.13	0.52	3851	13.19	6.86	0.52	4028	12.45	6.47	0.52	4290	11.43	5.94	0.52	4556	10.57	5.50	0.52	4729
21	20	9.27	3.71	0.40	1227	9.27	3.71	0.40	1356	9.27	3.71	0.40	1485	10.30	4.12	0.40	1572	10.30	4.12	0.40	1744	15.67	6.27	0.40	3534	15.00	6.00	0.40	3716	14.42	5.77	0.40	3887	13.87	5.55	0.40	4066	13.08	5.23	0.40	4330	12.01	4.80	0.40	4598	11.11	4.44	0.40	4773
22	18	8.82	4.94	0.56	1187	8.82	4.94	0.56	1316	8.82	4.94	0.56	1445	9.80	5.49	0.56	1532	9.80	5.49	0.56	1704	14.91	8.35	0.56	3501	14.27	7.99	0.56	3682	13.72	7.68	0.56	3851	13.19	7.39	0.56	4028	12.45	6.97	0.56	4290	11.43	6.40	0.56	4556	10.57	5.92	0.56	4729
22	20	9.27	4.08	0.44	1227	9.27	4.08	0.44	1356	9.27	4.08	0.44	1485	10.30	4.53	0.44	1572	10.30	4.53	0.44	1744	15.67	6.90	0.44	3534	15.00	6.60	0.44	3716	14.42	6.35	0.44	3887	13.87	6.10	0.44	4066	13.08	5.76	0.44	4330	12.01	5.28	0.44	4598	11.11	4.89	0.44	4773
22	22	9.83	3.15	0.32	1266	9.83	3.15	0.32	1395	9.83	3.15	0.32	1524	10.92	3.49	0.32	1611	10.92	3.49	0.32	1783	16.61	5.32	0.32	3566	15.90	5.09	0.32	3749	15.29	4.89	0.32	3922	14.70	4.70	0.32	4102	13.87	4.44	0.32	4369	12.73	4.07	0.32	4640	11.77	3.77	0.32	4816
23	18	8.82	5.29	0.60	1187	8.82	5.29	0.60	1316	8.82	5.29	0.60	1445	9.80	5.88	0.60	1532	9.80	5.88	0.60	1704	14.91	8.95	0.60	3501	14.27	8.56	0.60	3682	13.72	8.23	0.60	3851	13.19	7.92	0.60	4028	12.45	7.47	0.60	4290	11.43	6.86	0.60	4556	10.57	6.34	0.60	4729
23	20	9.27	4.45	0.48	1227	9.27	4.45	0.48	1356	9.27	4.45	0.48	1485	10.30	4.94	0.48	1572	10.30	4.94	0.48	1744	15.67	7.52	0.48	3534	15.00	7.20	0.48	3716	14.42	6.92	0.48	3887	13.87	6.66	0.48	4066	13.08	6.28	0.48	4330	12.01	5.76	0.48	4598	11.11	5.33	0.48	4773
23	22	9.83	3.54	0.36	1266	9.83	3.54	0.36	1395	9.83	3.54	0.36	1524	10.92	3.93	0.36	1611	10.92	3.93	0.36	1783	16.61	5.98	0.36	3566	15.90	5.72	0.36	3749	15.29	5.50	0.36	3922	14.70	5.29	0.36	4102	13.87	4.99	0.36	4369	12.73	4.58	0.36	4640	11.77	4.24	0.36	4816
24	18	8.82	5.65	0.64	1187	8.82	5.65	0.64	1316	8.82	5.65	0.64	1445	9.80	6.27	0.64	1532	9.80	6.27	0.64	1704	14.91	9.54	0.64	3501	14.27	9.13	0.64	3682	13.72	8.78	0.64	3851	13.19	8.44	0.64	4028	12.45	7.97	0.64	4290	11.43	7.31	0.64	4556	10.57	6.76	0.64	4729
24	20	9.27	4.82	0.52	1227	9.27	4.82	0.52	1356	9.27	4.82	0.52	1485	10.30	5.36	0.52	1572	10.30	5.36	0.52	1744	15.67	8.15	0.52	3534	15.00	7.80	0.52	3716	14.42	7.50	0.52	3887	13.87	7.21	0.52	4066	13.08	6.80	0.52	4330	12.01	6.24	0.52	4598	11.11	5.78	0.52	4773
24	22	9.83	3.93	0.40	1266	9.83	3.93	0.40	1395	9.83	3.93	0.40	1524	10.92	4.37	0.40	1611	10.92	4.37	0.40	1783	16.61	6.65	0.40	3566	15.90	6.36	0.40	3749	15.29	6.11	0.40	3922	14.70	5.88	0.40	4102	13.87	5.55	0.40	4369	12.73	5.09	0.40	4640	11.77	4.71	0.40	4816
24	24	10.42	2.92	0.28	1306	10.42	2.92	0.28	1435	10.42	2.92	0.28	1564	11.57	3.24	0.28	1651	11.57	3.24	0.28	1823	17.61	4.93	0.28	3598	16.85	4.72	0.28	3784	16.20	4.54	0.28	3958	15.58	4.36	0.28	4140	14.70	4.12	0.28	4409	13.49	3.78	0.28	4682	12.48	3.49	0.28	4860
25	18	8.82	6.00	0.68	1187	8.82	6.00	0.68	1316	8.82	6.00	0.68	1445	9.80	6.66	0.68	1532	9.80	6.66	0.68	1704	14.91	10.14	0.68	3501	14.27	9.70	0.68	3682	13.72	9.33	0.68	3851	13.19	8.97	0.68	4028	12.45	8.46	0.68	4290	11.43	7.77	0.68	4556	10.57	7.19	0.68	4729
25	20	9.27	5.19	0.56	1227	9.27	5.19	0.56	1356	9.27	5.19	0.56	1485	10.30	5.77	0.56	1572	10.30	5.77	0.56	1744	15.67	8.78	0.56	3534	15.00	8.40	0.56	3716	14.42	8.08	0.56	3887	13.87	7.76	0.56	4066	13.08	7.33	0.56	4330	12.01	6.72	0.56	4598	11.11	6.22	0.56	4773
25	22	9.83	4.33	0.44	1266	9.83	4.33	0.44	1395	9.83	4.33	0.44	1524	10.92	4.80	0.44	1611	10.92	4.80	0.44	1783	16.61	7.31	0.44	3566	15.90	6.99	0.44	3749	15.29	6.73	0.44	3922	14.70	6.47	0.44	4102	13.87	6.10	0.44	4369	12.73	5.60	0.44	4640	11.77	5.18	0.44	4816
25	24	10.42	3.33	0.32	1306	10.42	3.33	0.32	1435	10.42	3.33	0.32	1564	11.57	3.70	0.32	1651	11.57	3.70	0.32	1823	17.61	5.63	0.32	3598	16.85	5.39	0.32	3784	16.20	5.18	0.32	3958	15.58	4.99	0.32	4140	14.70	4.70	0.32	4409	13.49	4.32	0.32	4682	12.48	3.99	0.32	4860
26	18	8.82	6.35	0.72	1187	8.82	6.35	0.72	1316	8.82	6.35	0.72	1445	9.80	7.06	0.72	1532	9.80	7.06	0.72	1704	14.91	10.74	0.72	3501	14.27	10.27	0.72	3682	13.72	9.88	0.72	3851	13.19	9.50	0.72	4028	12.45	8.96	0.72	4290	11.43	8.23	0.72	4556	10.57	7.61	0.72	4729
26	20	9.27	5.56	0.60	1227	9.27	5.56	0.60	1356	9.27	5.56	0.60	1485	10.30	6.18	0.60	1572	10.30	6.18	0.60	1744	15.67	9.40	0.60	3534	15.00	9.00	0.60	3716	14.42	8.65	0.60	3887	13.87	8.32	0.60	4066	13.08	7.85	0.60	4330	12.01	7.21	0.60	4598	11.11	6.66	0.60	4773
26	22	9.83	4.72	0.48	1266	9.83	4.72	0.48	1395	9.83	4.72	0.48	1524	10.92	5.24	0.48	1611	10.92	5.24	0.48	1783	16.61	7.97	0.48	3566	15.90	7.63	0.48	3749	15.29	7.34	0.48	3922	14.70	7.05	0.48	4102	13.87	6.66	0.48	4369	12.73	6.11	0.48	4640	11.77	5.65	0.48	4816
26	24	10.42	3.75	0.36	1306	10.42	3.75	0.36	1435	10.42	3.75	0.36	1564	11.57	4.17	0.36	1651	11.57	4.17	0.36	1823	17.61	6.34	0.36	3598	16.85	6.07	0.36	3784	16.20	5.83	0.36	3958	15.58	5.61	0.36	4140	14.70	5.29	0.36	4409	13.49	4.86	0.36	4682	12.48	4.49	0.36	4860
26	26	10.94	2.63	0.24	1346	10.94	2.63	0.24	1475	10.94	2.63	0.24	1604	12.15	2.92	0.24	1691	12.15	2.92	0.24	1863	18.49	4.44	0.24	3631	17.69	4.25	0.24	3818	17.01	4.08	0.24	3994	16.36	3.93	0.24	4178	15.43	3.70	0.24	4449	14.17	3.40	0.24	4725	13.10	3.15	0.24	4904
27	18	8.82	6.71	0.76	1187	8.82	6.71	0.76	1316	8.82	6.71	0.76	1445	9.80	7.45	0.76	1532	9.80	7.45	0.76	1704	14.91	11.33	0.76	3501	14.27	10.84	0.76	3682	13.72	10.43	0.76	3851	13.19	10.03	0.76	4028	12.45	9.46	0.76	4290	11.43	8.68	0.76	4556	10.57	8.03	0.76	4729
27	19	9.00	6.30	0.70	1207	9.00	6.30	0.70	1336	9.00	6.30	0.70	1465	10.00	7.00	0.70	1552	10.00	7.00	0.70	1724	15.22	10.65	0.70	3518	14.56	10.19	0.70	3699	14.00	9.80	0.70	3869	13.46	9.42	0.70	4047	12.70	8.89	0.70	4310	11.66	8.16	0.70	4577	10.78	7.55	0.70	4751
27	20	9.27	5.94	0.64	1227	9.27	5.94	0.64	1356	9.27	5.94	0.64	1485	10.30	6.59	0.64	1572	10.30	6.59	0.64	1744	15.67	10.03	0.64	3534	15.00	9.60	0.64	3716	14.42	9.23	0.64	3887	13.87	8.87	0.64	4066	13.08	8.37	0.64	4330	12.01	7.69	0.64	4598	11.11	7.11	0.64	4773
27	22	9.83	5.11	0.52	1266	9.83	5.11	0.52	1395	9.83	5.11	0.52	1524	10.92	5.68	0.52	1611	10.92	5.68	0.52	1783	16.61	8.64	0.52	3566	15.90	8.27	0.52	3749	15.29	7.95	0.52	3922	14.70	7.64	0.52	4102	13.87	7.21	0.52	4369	12.73	6.62	0.52	4640	11.77	6.12	0.52	4816
27	24	10.42	4.17	0.40	1306	10.42	4.17	0.40	1435	10.42	4.17	0.40	1564	11.57	4.63	0.40	1651	11.57	4.63	0.40	1823	17.61	7.04	0.40	3598	16.85	6.74	0.40	3784	16.20	6.48	0.40	3958	15.58	6.23	0.40	4140	14.70	5.88	0.40	4409	13.49	5.40	0.40	4682	12.48	4.99	0.40	4860
27	26	10.94	3.06	0.28	1346	10.94	3.06	0.28	1475	10.94	3.06	0.28	1604	12.15	3.40	0.28	1691	12.15	3.40	0.28	1863	18.49	5.18	0.28	3631	17.69	4.95	0.28	3818	17.01	4.76	0.28	3994	16.36	4.58	0.28	4178	15.43	4.32	0.28	4449	14.17	3.97	0.28	4725	13.10	3.67	0.28	4904
28	18	8.82	7.06	0.80	1187	8.82	7.06	0.80	1316	8.82	7.06	0.80	1445	9.80	7.84	0.80	1532	9.80	7.84	0.80	1704	14.91	11.93	0.80	3501	14.27	11.42	0.80	3682	13.72	10.98	0.80	3851	13.19	10.55	0.80	4028	12.45	9.96	0.80	4290	11.43	9.14	0.80	4556	10.57	8.45	0.80	4729
28	20	9.27	6.31	0.68	1227	9.27	6.31	0.68	1356	9.27	6.31	0.68	1485	10.30	7.00	0.68	1572	10.30	7.00	0.68	1744	15.67	10.66	0.68	3534	15.00	10.20	0.68	3716	14.42	9.81	0.68	3887	13.87	9.43	0.68	4066	13.08	8.90	0.68	4330	12.01	8.17	0.68	4598	11.11	7.55	0.68	4773
28	22	9.83	5.51	0.56	1266	9.83	5.51	0.56	1395	9.83	5.51	0.56	1524	10.92	6.11	0.56	1611	10.92	6.11	0.56	1783	16.61	9.30	0.56	3566	15.90	8.90	0.56	3749	15.29	8.56	0.56	3922	14.70	8.23	0.56	4102	13.87	7.76	0.56	4369	12.73	7.13	0.56	4640	11.77	6.59	0.56	4816

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-5.0UFE1NH+RAS-5.0UFESNH1

CAPACITY: 12.70 kW SHF: 0.70 INPUT: 4310 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30				35				40				48			
		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	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	10.42	4.59	0.44	1306	10.42	4.59	0.44	1435	10.42	4.59	0.44	1564	11.57	5.09	0.44	1651	11.57	5.09	0.44	1823	17.61	7.75	0.44	3598	16.85	7.41	0.44	3784	16.20	7.13	0.44	3958	15.58	6.86	0.44	4140	14.70	6.47	0.44	4409	13.49	5.94	0.44	4682	12.48	5.49	0.44	4860
28	26	10.94	3.50	0.32	1346	10.94	3.50	0.32	1475	10.94	3.50	0.32	1604	12.15	3.89	0.32	1691	12.15	3.89	0.32	1863	18.49	5.92	0.32	3631	17.69	5.66	0.32	3818	17.01	5.44	0.32	3994	16.36	5.23	0.32	4178	15.43	4.94	0.32	4449	14.17	4.53	0.32	4725	13.10	4.19	0.32	4904
29	18	8.82	7.24	0.82	1187	8.82	7.24	0.82	1316	8.82	7.24	0.82	1445	9.80	8.04	0.82	1532	9.80	8.04	0.82	1704	14.91	12.23	0.82	3501	14.27	11.70	0.82	3682	13.72	11.25	0.82	3851	13.19	10.82	0.82	4028	12.45	10.21	0.82	4290	11.43	9.37	0.82	4556	10.57	8.67	0.82	4729
29	20	9.27	6.68	0.72	1227	9.27	6.68	0.72	1356	9.27	6.68	0.72	1485	10.30	7.42	0.72	1572	10.30	7.42	0.72	1744	15.67	11.28	0.72	3534	15.00	10.80	0.72	3716	14.42	10.38	0.72	3887	13.87	9.98	0.72	4066	13.08	9.42	0.72	4330	12.01	8.65	0.72	4598	11.11	8.00	0.72	4773
29	22	9.83	5.90	0.60	1266	9.83	5.90	0.60	1395	9.83	5.90	0.60	1524	10.92	6.55	0.60	1611	10.92	6.55	0.60	1783	16.61	9.97	0.60	3566	15.90	9.54	0.60	3749	15.29	9.17	0.60	3922	14.70	8.82	0.60	4102	13.87	8.32	0.60	4369	12.73	7.64	0.60	4640	11.77	7.06	0.60	4816
29	24	10.42	5.00	0.48	1306	10.42	5.00	0.48	1435	10.42	5.00	0.48	1564	11.57	5.56	0.48	1651	11.57	5.56	0.48	1823	17.61	8.45	0.48	3598	16.85	8.09	0.48	3784	16.20	7.78	0.48	3958	15.58	7.48	0.48	4140	14.70	7.05	0.48	4409	13.49	6.48	0.48	4682	12.48	5.99	0.48	4860
29	26	10.94	3.94	0.36	1346	10.94	3.94	0.36	1475	10.94	3.94	0.36	1604	12.15	4.38	0.36	1691	12.15	4.38	0.36	1863	18.49	6.66	0.36	3631	17.69	6.37	0.36	3818	17.01	6.12	0.36	3994	16.36	5.89	0.36	4178	15.43	5.56	0.36	4449	14.17	5.10	0.36	4725	13.10	4.72	0.36	4904
30	18	8.82	7.24	0.82	1187	8.82	7.24	0.82	1316	8.82	7.24	0.82	1445	9.80	8.04	0.82	1532	9.80	8.04	0.82	1704	14.91	12.23	0.82	3501	14.27	11.70	0.82	3682	13.72	11.25	0.82	3851	13.19	10.82	0.82	4028	12.45	10.21	0.82	4290	11.43	9.37	0.82	4556	10.57	8.67	0.82	4729
30	20	9.27	7.05	0.76	1227	9.27	7.05	0.76	1356	9.27	7.05	0.76	1485	10.30	7.83	0.76	1572	10.30	7.83	0.76	1744	15.67	11.91	0.76	3534	15.00	11.40	0.76	3716	14.42	10.96	0.76	3887	13.87	10.54	0.76	4066	13.08	9.94	0.76	4330	12.01	9.13	0.76	4598	11.11	8.44	0.76	4773
30	22	9.83	6.29	0.64	1266	9.83	6.29	0.64	1395	9.83	6.29	0.64	1524	10.92	6.99	0.64	1611	10.92	6.99	0.64	1783	16.61	10.63	0.64	3566	15.90	10.17	0.64	3749	15.29	9.78	0.64	3922	14.70	9.41	0.64	4102	13.87	8.87	0.64	4369	12.73	8.15	0.64	4640	11.77	7.54	0.64	4816
30	24	10.42	5.42	0.52	1306	10.42	5.42	0.52	1435	10.42	5.42	0.52	1564	11.57	6.02	0.52	1651	11.57	6.02	0.52	1823	17.61	9.16	0.52	3598	16.85	8.76	0.52	3784	16.20	8.43	0.52	3958	15.58	8.10	0.52	4140	14.70	7.64	0.52	4409	13.49	7.02	0.52	4682	12.48	6.49	0.52	4860
30	26	10.94	4.38	0.40	1346	10.94	4.38	0.40	1475	10.94	4.38	0.40	1604	12.15	4.86	0.40	1691	12.15	4.86	0.40	1863	18.49	7.40	0.40	3631	17.69	7.08	0.40	3818	17.01	6.81	0.40	3994	16.36	6.54	0.40	4178	15.43	6.17	0.40	4449	14.17	5.67	0.40	4725	13.10	5.24	0.40	4904
31	18	8.82	7.24	0.82	1187	8.82	7.24	0.82	1316	8.82	7.24	0.82	1445	9.80	8.04	0.82	1532	9.80	8.04	0.82	1704	14.91	12.23	0.82	3501	14.27	11.70	0.82	3682	13.72	11.25	0.82	3851	13.19	10.82	0.82	4028	12.45	10.21	0.82	4290	11.43	9.37	0.82	4556	10.57	8.67	0.82	4729
31	20	9.27	7.42	0.80	1227	9.27	7.42	0.80	1356	9.27	7.42	0.80	1485	10.30	8.24	0.80	1572	10.30	8.24	0.80	1744	15.67	12.54	0.80	3534	15.00	12.00	0.80	3716	14.42	11.54	0.80	3887	13.87	11.09	0.80	4066	13.08	10.46	0.80	4330	12.01	9.61	0.80	4598	11.11	8.89	0.80	4773
31	22	9.83	6.69	0.68	1266	9.83	6.69	0.68	1395	9.83	6.69	0.68	1524	10.92	7.43	0.68	1611	10.92	7.43	0.68	1783	16.61	11.30	0.68	3566	15.90	10.81	0.68	3749	15.29	10.39	0.68	3922	14.70	9.99	0.68	4102	13.87	9.43	0.68	4369	12.73	8.66	0.68	4640	11.77	8.01	0.68	4816
31	24	10.42	5.84	0.56	1306	10.42	5.84	0.56	1435	10.42	5.84	0.56	1564	11.57	6.48	0.56	1651	11.57	6.48	0.56	1823	17.61	9.86	0.56	3598	16.85	9.44	0.56	3784	16.20	9.07	0.56	3958	15.58	8.72	0.56	4140	14.70	8.23	0.56	4409	13.49	7.56	0.56	4682	12.48	6.99	0.56	4860
31	26	10.94	4.81	0.44	1346	10.94	4.81	0.44	1475	10.94	4.81	0.44	1604	12.15	5.35	0.44	1691	12.15	5.35	0.44	1863	18.49	8.14	0.44	3631	17.69	7.79	0.44	3818	17.01	7.49	0.44	3994	16.36	7.20	0.44	4178	15.43	6.79	0.44	4449	14.17	6.23	0.44	4725	13.10	5.77	0.44	4904
32	18	8.82	7.24	0.82	1187	8.82	7.24	0.82	1316	8.82	7.24	0.82	1445	9.80	8.04	0.82	1532	9.80	8.04	0.82	1704	14.91	12.23	0.82	3501	14.27	11.70	0.82	3682	13.72	11.25	0.82	3851	13.19	10.82	0.82	4028	12.45	10.21	0.82	4290	11.43	9.37	0.82	4556	10.57	8.67	0.82	4729
32	20	9.27	7.61	0.82	1227	9.27	7.61	0.82	1356	9.27	7.61	0.82	1485	10.30	8.45	0.82	1572	10.30	8.45	0.82	1744	15.67	12.85	0.82	3534	15.00	12.30	0.82	3716	14.42	11.82	0.82	3887	13.87	11.37	0.82	4066	13.08	10.73	0.82	4330	12.01	9.85	0.82	4598	11.11	9.11	0.82	4773
32	22	9.83	7.08	0.72	1266	9.83	7.08	0.72	1395	9.83	7.08	0.72	1524	10.92	7.86	0.72	1611	10.92	7.86	0.72	1783	16.61	11.96	0.72	3566	15.90	11.45	0.72	3749	15.29	11.01	0.72	3922	14.70	10.58	0.72	4102	13.87	9.98	0.72	4369	12.73	9.16	0.72	4640	11.77	8.48	0.72	4816
32	24	10.42	6.25	0.60	1306	10.42	6.25	0.60	1435	10.42	6.25	0.60	1564	11.57	6.94	0.60	1651	11.57	6.94	0.60	1823	17.61	10.57	0.60	3598	16.85	10.11	0.60	3784	16.20	9.72	0.60	3958	15.58	9.35	0.60	4140	14.70	8.82	0.60	4409	13.49	8.10	0.60	4682	12.48	7.49	0.60	4860
32	26	10.94	5.25	0.48	1346	10.94	5.25	0.48	1475	10.94	5.25	0.48	1604	12.15	5.83	0.48	1691	12.15	5.83	0.48	1863	18.49	8.88	0.48	3631	17.69	8.49	0.48	3818	17.01	8.17	0.48	3994	16.36	7.85	0.48	4178	15.43	7.41	0.48	4449	14.17	6.80	0.48	4725	13.10	6.29	0.48	4904

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-5.0UFE1NH+RAS-5.0UFESMH1

CAPACITY: 12.10 kW SHF: 0.70 INPUT: 4240 W

OUTDOOR DB (°C)

INDOOR DB (°C)	INDOOR WB (°C)	-15				-7				0				10			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8.41	4.37	0.52	1167	8.41	4.37	0.52	1294	8.41	4.37	0.52	1422	9.34	4.86	0.52	1506
21	20	8.84	3.53	0.40	1207	8.84	3.53	0.40	1334	8.84	3.53	0.40	1462	9.81	3.93	0.40	1546
22	18	8.41	4.71	0.56	1167	8.41	4.71	0.56	1294	8.41	4.71	0.56	1422	9.34	5.23	0.56	1506
22	20	8.84	3.89	0.44	1207	8.84	3.89	0.44	1334	8.84	3.89	0.44	1462	9.81	4.32	0.44	1546
22	22	9.37	3.00	0.32	1246	9.37	3.00	0.32	1373	9.37	3.00	0.32	1501	10.40	3.33	0.32	1585
23	18	8.41	5.04	0.60	1167	8.41	5.04	0.60	1294	8.41	5.04	0.60	1422	9.34	5.60	0.60	1506
23	20	8.84	4.24	0.48	1207	8.84	4.24	0.48	1334	8.84	4.24	0.48	1462	9.81	4.71	0.48	1546
23	22	9.37	3.37	0.36	1246	9.37	3.37	0.36	1373	9.37	3.37	0.36	1501	10.40	3.75	0.36	1585
24	18	8.41	5.38	0.64	1167	8.41	5.38	0.64	1294	8.41	5.38	0.64	1422	9.34	5.98	0.64	1506
24	20	8.84	4.59	0.52	1207	8.84	4.59	0.52	1334	8.84	4.59	0.52	1462	9.81	5.10	0.52	1546
24	22	9.37	3.75	0.40	1246	9.37	3.75	0.40	1373	9.37	3.75	0.40	1501	10.40	4.16	0.40	1585
24	24	9.93	2.78	0.28	1286	9.93	2.78	0.28	1413	9.93	2.78	0.28	1541	11.03	3.09	0.28	1625
25	18	8.41	5.72	0.68	1167	8.41	5.72	0.68	1294	8.41	5.72	0.68	1422	9.34	6.35	0.68	1506
25	20	8.84	4.95	0.56	1207	8.84	4.95	0.56	1334	8.84	4.95	0.56	1462	9.81	5.50	0.56	1546
25	22	9.37	4.12	0.44	1246	9.37	4.12	0.44	1373	9.37	4.12	0.44	1501	10.40	4.58	0.44	1585
25	24	9.93	3.18	0.32	1286	9.93	3.18	0.32	1413	9.93	3.18	0.32	1541	11.03	3.53	0.32	1625
26	18	8.41	6.05	0.72	1167	8.41	6.05	0.72	1294	8.41	6.05	0.72	1422	9.34	6.72	0.72	1506
26	20	8.84	5.30	0.60	1207	8.84	5.30	0.60	1334	8.84	5.30	0.60	1462	9.81	5.89	0.60	1546
26	22	9.37	4.50	0.48	1246	9.37	4.50	0.48	1373	9.37	4.50	0.48	1501	10.40	4.99	0.48	1585
26	24	9.93	3.57	0.36	1286	9.93	3.57	0.36	1413	9.93	3.57	0.36	1541	11.03	3.97	0.36	1625
26	26	10.42	2.50	0.24	1326	10.42	2.50	0.24	1453	10.42	2.50	0.24	1581	11.58	2.78	0.24	1665
27	18	8.41	6.39	0.76	1167	8.41	6.39	0.76	1294	8.41	6.39	0.76	1422	9.34	7.10	0.76	1506
27	19	8.58	6.01	0.70	1187	8.58	6.01	0.70	1314	8.58	6.01	0.70	1442	9.53	6.67	0.70	1526
27	20	8.84	5.66	0.64	1207	8.84	5.66	0.64	1334	8.84	5.66	0.64	1462	9.81	6.28	0.64	1546
27	22	9.37	4.87	0.52	1246	9.37	4.87	0.52	1373	9.37	4.87	0.52	1501	10.40	5.41	0.52	1585
27	24	9.93	3.97	0.40	1286	9.93	3.97	0.40	1413	9.93	3.97	0.40	1541	11.03	4.41	0.40	1625
27	26	10.42	2.92	0.28	1326	10.42	2.92	0.28	1453	10.42	2.92	0.28	1581	11.58	3.24	0.28	1665
28	18	8.41	6.73	0.80	1167	8.41	6.73	0.80	1294	8.41	6.73	0.80	1422	9.34	7.47	0.80	1506
28	20	8.84	6.01	0.68	1207	8.84	6.01	0.68	1334	8.84	6.01	0.68	1462	9.81	6.67	0.68	1546
28	22	9.37	5.25	0.56	1246	9.37	5.25	0.56	1373	9.37	5.25	0.56	1501	10.40	5.83	0.56	1585

INDOOR DB (°C)	INDOOR WB (°C)	15				21				25				27			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	9.34	4.86	0.52	1676	14.21	7.39	0.52	3444	13.60	7.07	0.52	3622	13.07	6.80	0.52	3788
21	20	9.81	3.93	0.40	1716	14.93	5.97	0.40	3477	14.29	5.72	0.40	3656	13.74	5.50	0.40	3824
22	18	9.34	5.23	0.56	1676	14.21	7.96	0.56	3444	13.60	7.61	0.56	3622	13.07	7.32	0.56	3788
22	20	9.81	4.32	0.44	1716	14.93	6.57	0.44	3477	14.29	6.29	0.44	3656	13.74	6.05	0.44	3824
22	22	10.40	3.33	0.32	1755	15.83	5.06	0.32	3509	15.15	4.85	0.32	3689	14.56	4.66	0.32	3859
23	18	9.34	5.60	0.60	1676	14.21	8.52	0.60	3444	13.60	8.16	0.60	3622	13.07	7.84	0.60	3788
23	20	9.81	4.71	0.48	1716	14.93	7.17	0.48	3477	14.29	6.86	0.48	3656	13.74	6.59	0.48	3824
23	22	10.40	3.75	0.36	1755	15.83	5.70	0.36	3509	15.15	5.45	0.36	3689	14.56	5.24	0.36	3859
24	18	9.34	5.98	0.64	1676	14.21	9.09	0.64	3444	13.60	8.70	0.64	3622	13.07	8.37	0.64	3788
24	20	9.81	5.10	0.52	1716	14.93	7.76	0.52	3477	14.29	7.43	0.52	3656	13.74	7.14	0.52	3824
24	22	10.40	4.16	0.40	1755	15.83	6.33	0.40	3509	15.15	6.06	0.40	3689	14.56	5.83	0.40	3859
24	24	11.03	3.09	0.28	1795	16.78	4.70	0.28	3541	16.05	4.50	0.28	3724	15.44	4.32	0.28	3895
25	18	9.34	6.35	0.68	1676	14.21	9.66	0.68	3444	13.60	9.24	0.68	3622	13.07	8.89	0.68	3788
25	20	9.81	5.50	0.56	1716	14.93	8.36	0.56	3477	14.29	8.00	0.56	3656	13.74	7.69	0.56	3824
25	22	10.40	4.58	0.44	1755	15.83	6.96	0.44	3509	15.15	6.66	0.44	3689	14.56	6.41	0.44	3859
25	24	11.03	3.53	0.32	1795	16.78	5.37	0.32	3541	16.05	5.14	0.32	3724	15.44	4.94	0.32	3895
26	18	9.34	6.72	0.72	1676	14.21	10.23	0.72	3444	13.60	9.79	0.72	3622	13.07	9.41	0.72	3788
26	20	9.81	5.89	0.60	1716	14.93	8.96	0.60	3477	14.29	8.57	0.60	3656	13.74	8.24	0.60	3824
26	22	10.40	4.99	0.48	1755	15.83	7.60	0.48	3509	15.15	7.27	0.48	3689	14.56	6.99	0.48	3859
26	24	11.03	3.97	0.36	1795	16.78	6.04	0.36	3541	16.05	5.78	0.36	3724	15.44	5.56	0.36	3895
26	26	11.58	2.78	0.24	1835	17.62	4.23	0.24	3574	16.86	4.05	0.24	3758	16.21	3.89	0.24	3931
27	18	9.34	7.10	0.76	1676	14.21	10.80	0.76	3444	13.60	10.33	0.76	3622	13.07	9.93	0.76	3788
27	19	9.53	6.67	0.70	1696	14.50	10.15	0.70	3460	13.87	9.71	0.70	3639	13.34	9.34	0.70	3806
27	20	9.81	6.28	0.64	1716	14.93	9.56	0.64	3477	14.29	9.14	0.64	3656	13.74	8.79	0.64	3824
27	22	10.40	5.41	0.52	1755	15.83	8.23	0.52	3509	15.15	7.88	0.52	3689	14.56	7.57	0.52	3859
27	24	11.03	4.41	0.40	1795	16.78	6.71	0.40	3541	16.05	6.42	0.40	3724	15.44	6.17	0.40	3895
27	26	11.58	3.24	0.28	1835	17.62	4.93	0.28	3574	16.86	4.72	0.28	3758	16.21	4.54	0.28	3931
28	18	9.34	7.47	0.80	1676	14.21	11.37	0.80	3444	13.60	10.88	0.80	3622	13.07	10.46	0.80	3788
28	20	9.81	6.67	0.68	1716	14.93	10.15	0.68	3477	14.29	9.72	0.68	3656	13.74	9.34	0.68	3824
28	22	10.40	5.83	0.56	1755	15.83	8.86	0.56	3509	15.15	8.48	0.56	3689	14.56	8.16	0.56	3859

INDOOR DB (°C)	INDOOR WB (°C)	30				35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	12.57	6.54	0.52	3963	11.86	6.17	0.52	4220	10.89	5.66	0.52	4482	10.07	5.24	0.52	4652
21	20	13.21	5.28	0.40	4000	12.46	4.99	0.40	4260	11.44	4.58	0.40	4524	10.58	4.23	0.40	4696
22	18	12.57	7.04	0.56	3963	11.86	6.64	0.56	4220	10.89	6.10	0.56	4482	10.07	5.64	0.56	4652
22	20	13.21	5.81	0.44	4000	12.46	5.48	0.44	4260	11.44	5.03	0.44	4524	10.58	4.66	0.44	4696
22	22	14.00	4.48	0.32	4037	13.21	4.23	0.32	4299	12.13	3.88	0.32	4566	11.22	3.59	0.32	4739
23	18	12.57	7.54	0.60	3963	11.86	7.11	0.60	4220	10.89	6.53	0.60	4482	10.07	6.04	0.60	4652
23	20	13.21	6.34	0.48	4000	12.46	5.98	0.48	4260	11.44	5.49	0.48	4524	10.58	5.08	0.48	4696
23	22	14.00	5.04	0.36	4037	13.21	4.76	0.36	4299	12.13	4.37	0.36	4566	11.22	4.04	0.36	4739
24	18	12.57	8.04	0.64	3963	11.86	7.59	0.64	4220	10.89	6.97	0.64	4482	10.07	6.44	0.64	4652
24	20	13.21	6.87	0.52	4000	12.46	6.48	0.52	4260	11.44	5.95	0.52	4524	10.58	5.50	0.52	4696
24	22	14.00	5.60	0.40	4037	13.21	5.28	0.40	4299	12.13	4.85	0.40	4566	11.22	4.49	0.40	4739
24	24	14.84	4.16	0.28	4074	14.00	3.92	0.28	4339	12.86	3.60	0.28	4608	11.89	3.33	0.28	4783
25	18	12.57	8.55	0.68	3963	11.86	8.06	0.68	4220	10.89	7.40	0.68	4482	10.07	6.85	0.68	4652
25	20	13.21	7.40	0.56	4000	12.46	6.98	0.56	4260	11.44	6.41	0.56	4524	10.58	5.93	0.56	4696
25	22	14.00	6.16	0.44	4037	13.21	5.81	0.44	4299	12.13	5.34	0.44	4566	11.22	4.94	0.44	4739
25	24	14.84	4.75	0.32	4074	14.00	4.48	0.32	4339	12.86	4.11	0.32	4608	11.89	3.81	0.32	4783
26	18	12.57	9.05	0.72	3963	11.86	8.54	0.72	4220	10.89	7.84	0.72	4482	10.07	7.25	0.72	4652
26	20	13.21	7.93	0.60	4000	12.46	7.48	0.60	4260	11.44	6.86	0.60	4524	10.58	6.35	0.60	4696
26	22	14.00	6.72	0.48	4037	13.21	6.34	0.48	4299	12.13	5.82	0.48	4566	11.22	5.38	0.48	4739
26	24	14.84	5.34	0.36	4074	14.00	5.04	0.36	4339	12.86	4.63	0.36	4608	11.89	4.28	0.36	4783
26	26	15.59	3.74	0.24	4112	14.70	3.53	0.24	4379	13.50	3.24	0.24	4650	12.49	3.00	0.24	4827
27	18	12.57	9.55	0.76	3963	11.86	9.01	0.76	4220	10.89	8.27	0.76	4482	10.07	7.65	0.76	4652
27	19	12.83	8.98	0.70	3981	12.10	8.47	0.70	4240	11.11	7.78	0.70	4503	10.27	7.19	0.70	4674
27	20	13.21	8.45	0.64	4000	12.46	7.98	0.64	4260	11.44	7.32	0.64	4524	10.58	6.77	0.64	4696
27	22	14.00	7.28	0.52	4037	13.21	6.87	0.52	4299	12.13	6.31	0.52	4566	11.22	5.83	0.52	4739
27	24	14.84	5.94	0.40	4074	14.00	5.60	0.40	4339	12.86	5.14	0.40	4608	11.89	4.76	0.40	4783
27	26	15.59	4.36	0.28	4112	14.70	4.12	0.28	4379	13.50	3.78	0.28	4650	12.49	3.50	0.28	4827
28	18	12.57	10.06	0.80	3963	11.86	9.49	0.80	4220	10.89	8.71	0.80	4482	10.07	8.06	0.80	4652
28	20	13.21	8.98	0.68	4000	12.46	8.47	0.68	4260	11.44	7.78	0.68	4524	10.58	7.20	0.68	4696
28	22	14.00	7.84	0.56	4037	13.21	7.40	0.56	4299	12.13	6.79	0.56	4566	11.22	6.28	0.56	4739

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-5.0UFE1NH+RAS-5.0UFESMH1

CAPACITY: 12.10 kW SHF: 0.70 INPUT: 4240 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	9.93	4.37	0.44	1286	9.93	4.37	0.44	1413	9.93	4.37	0.44	1541	11.03	4.85	0.44	1625	11.03	4.85	0.44	1795	16.78	7.38	0.44	3541	16.05	7.06	0.44	3724	15.44	6.79	0.44	3895	14.84	6.53	0.44	4074
28	26	10.42	3.34	0.32	1326	10.42	3.34	0.32	1453	10.42	3.34	0.32	1581	11.58	3.71	0.32	1665	11.58	3.71	0.32	1835	17.62	5.64	0.32	3574	16.86	5.39	0.32	3758	16.21	5.19	0.32	3931	15.59	4.99	0.32	4112
29	18	8.41	6.89	0.82	1167	8.41	6.89	0.82	1294	8.41	6.89	0.82	1422	9.34	7.66	0.82	1506	9.34	7.66	0.82	1676	14.21	11.65	0.82	3444	13.60	11.15	0.82	3622	13.07	10.72	0.82	3788	12.57	10.31	0.82	3963
29	20	8.84	6.36	0.72	1207	8.84	6.36	0.72	1334	8.84	6.36	0.72	1462	9.81	7.07	0.72	1546	9.81	7.07	0.72	1716	14.93	10.75	0.72	3477	14.29	10.29	0.72	3656	13.74	9.89	0.72	3824	13.21	9.51	0.72	4000
29	22	9.37	5.62	0.60	1246	9.37	5.62	0.60	1373	9.37	5.62	0.60	1501	10.40	6.24	0.60	1585	10.40	6.24	0.60	1755	15.83	9.50	0.60	3509	15.15	9.09	0.60	3689	14.56	8.74	0.60	3859	14.00	8.40	0.60	4037
29	24	9.93	4.77	0.48	1286	9.93	4.77	0.48	1413	9.93	4.77	0.48	1541	11.03	5.29	0.48	1625	11.03	5.29	0.48	1795	16.78	8.05	0.48	3541	16.05	7.71	0.48	3724	15.44	7.41	0.48	3895	14.84	7.12	0.48	4074
29	26	10.42	3.75	0.36	1326	10.42	3.75	0.36	1453	10.42	3.75	0.36	1581	11.58	4.17	0.36	1665	11.58	4.17	0.36	1835	17.62	6.34	0.36	3574	16.86	6.07	0.36	3758	16.21	5.84	0.36	3931	15.59	5.61	0.36	4112
30	18	8.41	6.89	0.82	1167	8.41	6.89	0.82	1294	8.41	6.89	0.82	1422	9.34	7.66	0.82	1506	9.34	7.66	0.82	1676	14.21	11.65	0.82	3444	13.60	11.15	0.82	3622	13.07	10.72	0.82	3788	12.57	10.31	0.82	3963
30	20	8.84	6.72	0.76	1207	8.84	6.72	0.76	1334	8.84	6.72	0.76	1462	9.81	7.46	0.76	1546	9.81	7.46	0.76	1716	14.93	11.35	0.76	3477	14.29	10.86	0.76	3656	13.74	10.44	0.76	3824	13.21	10.04	0.76	4000
30	22	9.37	5.99	0.64	1246	9.37	5.99	0.64	1373	9.37	5.99	0.64	1501	10.40	6.66	0.64	1585	10.40	6.66	0.64	1755	15.83	10.13	0.64	3509	15.15	9.69	0.64	3689	14.56	9.32	0.64	3859	14.00	8.96	0.64	4037
30	24	9.93	5.16	0.52	1286	9.93	5.16	0.52	1413	9.93	5.16	0.52	1541	11.03	5.73	0.52	1625	11.03	5.73	0.52	1795	16.78	8.72	0.52	3541	16.05	8.35	0.52	3724	15.44	8.03	0.52	3895	14.84	7.72	0.52	4074
30	26	10.42	4.17	0.40	1326	10.42	4.17	0.40	1453	10.42	4.17	0.40	1581	11.58	4.63	0.40	1665	11.58	4.63	0.40	1835	17.62	7.05	0.40	3574	16.86	6.74	0.40	3758	16.21	6.48	0.40	3931	15.59	6.23	0.40	4112
31	18	8.41	6.89	0.82	1167	8.41	6.89	0.82	1294	8.41	6.89	0.82	1422	9.34	7.66	0.82	1506	9.34	7.66	0.82	1676	14.21	11.65	0.82	3444	13.60	11.15	0.82	3622	13.07	10.72	0.82	3788	12.57	10.31	0.82	3963
31	20	8.84	7.07	0.80	1207	8.84	7.07	0.80	1334	8.84	7.07	0.80	1462	9.81	7.85	0.80	1546	9.81	7.85	0.80	1716	14.93	11.95	0.80	3477	14.29	11.43	0.80	3656	13.74	10.99	0.80	3824	13.21	10.57	0.80	4000
31	22	9.37	6.37	0.68	1246	9.37	6.37	0.68	1373	9.37	6.37	0.68	1501	10.40	7.07	0.68	1585	10.40	7.07	0.68	1755	15.83	10.76	0.68	3509	15.15	10.30	0.68	3689	14.56	9.90	0.68	3859	14.00	9.52	0.68	4037
31	24	9.93	5.56	0.56	1286	9.93	5.56	0.56	1413	9.93	5.56	0.56	1541	11.03	6.18	0.56	1625	11.03	6.18	0.56	1795	16.78	9.40	0.56	3541	16.05	8.99	0.56	3724	15.44	8.64	0.56	3895	14.84	8.31	0.56	4074
31	26	10.42	4.59	0.44	1326	10.42	4.59	0.44	1453	10.42	4.59	0.44	1581	11.58	5.09	0.44	1665	11.58	5.09	0.44	1835	17.62	7.75	0.44	3574	16.86	7.42	0.44	3758	16.21	7.13	0.44	3931	15.59	6.86	0.44	4112
32	18	8.41	6.89	0.82	1167	8.41	6.89	0.82	1294	8.41	6.89	0.82	1422	9.34	7.66	0.82	1506	9.34	7.66	0.82	1676	14.21	11.65	0.82	3444	13.60	11.15	0.82	3622	13.07	10.72	0.82	3788	12.57	10.31	0.82	3963
32	20	8.84	7.25	0.82	1207	8.84	7.25	0.82	1334	8.84	7.25	0.82	1462	9.81	8.05	0.82	1546	9.81	8.05	0.82	1716	14.93	12.24	0.82	3477	14.29	11.72	0.82	3656	13.74	11.27	0.82	3824	13.21	10.83	0.82	4000
32	22	9.37	6.74	0.72	1246	9.37	6.74	0.72	1373	9.37	6.74	0.72	1501	10.40	7.49	0.72	1585	10.40	7.49	0.72	1755	15.83	11.40	0.72	3509	15.15	10.91	0.72	3689	14.56	10.49	0.72	3859	14.00	10.08	0.72	4037
32	24	9.93	5.96	0.60	1286	9.93	5.96	0.60	1413	9.93	5.96	0.60	1541	11.03	6.62	0.60	1625	11.03	6.62	0.60	1795	16.78	10.07	0.60	3541	16.05	9.63	0.60	3724	15.44	9.26	0.60	3895	14.84	8.91	0.60	4074
32	26	10.42	5.00	0.48	1326	10.42	5.00	0.48	1453	10.42	5.00	0.48	1581	11.58	5.56	0.48	1665	11.58	5.56	0.48	1835	17.62	8.46	0.48	3574	16.86	8.09	0.48	3758	16.21	7.78	0.48	3931	15.59	7.48	0.48	4112

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		30				35				40				48																					
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																		
28	24	14.84	6.53	0.44	4074	14.00	6.16	0.44	4339	12.86	5.66	0.44	4608	11.89	5.23	0.44	4783																		
28	26	15.59	4.99	0.32	4112	14.70	4.71	0.32	4379	13.50	4.32	0.32	4650	12.49	4.00	0.32	4827																		
29	18	12.57	10.31	0.82	3963	11.86	9.72	0.82	4220	10.89	8.93	0.82	4482	10.07	8.26	0.82	4652																		
29	20	13.21	9.51	0.72	4000	12.46	8.97	0.72	4260	11.44	8.24	0.72	4524	10.58	7.62	0.72	4696																		
29	22	14.00	8.40	0.60	4037	13.21	7.93	0.60	4299	12.13	7.28	0.60	4566	11.22	6.73	0.60	4739																		
29	24	14.84	7.12	0.48	4074	14.00	6.72	0.48	4339	12.86	6.17	0.48	4608	11.89	5.71	0.48	4783																		
29	26	15.59	5.61	0.36	4112	14.70	5.29	0.36	4379	13.50	4.86	0.36	4650	12.49	4.49	0.36	4827																		
30	18	12.57	10.31	0.82	3963	11.86	9.72	0.82	4220	10.89	8.93	0.82	4482	10.07	8.26	0.82	4652																		
30	20	12.46	9.47	0.76	4260	11.44	8.70	0.76	4524	10.58	8.04	0.76	4696																						
30	22	13.21	8.45	0.64	4299	12.13	7.76	0.64	4566	11.22	7.18	0.64	4739																						
30	24	14.84	7.72	0.52	4074	14.00	7.28	0.52	4339	12.86	6.68	0.52	4608	11.89	6.18	0.52	4783																		
30	26	15.59	6.23	0.40	4112	14.70	5.88	0.40	4379	13.50	5.40	0.40	4650	12.49	4.99	0.40	4827																		
31	18	12.57	10.31	0.82	3963	11.86	9.72	0.82	4220	10.89	8.93	0.82	4482	10.07	8.26	0.82	4652																		
31	20	13.21	10.57	0.80	4000	12.46	9.97	0.80	4260	11.44	9.15	0.80	4524	10.58	8.47	0.80	4696																		
31	22	14.00	9.52	0.68	4037	13.21	8.98	0.68	4299	12.13	8.25	0.68	4566	11.22	7.63	0.68	4739																		
31	24	14.84	8.31	0.56	4074	14.00	7.84	0.56	4339	12.86	7.20	0.56	4608	11.89	6.66	0.56	4783																		
31	26	15.59	6.86	0.44	4112	14.70	6.47	0.44	4379	13.50	5.94	0.44	4650	12.49	5.49	0.44	4827																		
32	18	12.57	10.31	0.82	3963	11.86	9.72	0.82	4220	10.89	8.93	0.82	4482	10.07	8.26	0.82	4652																		
32	20	13.21	10.83	0.82	4000	12.46	10.22	0.82	4260	11.44	9.38	0.82	4524	10.58	8.68	0.82	4696																		
32	22	14.00	10.08	0.72	4037	13.21	9.51	0.72	4299	12.13	8.73	0.72	4566	11.22	8.08	0.72	4739																		
32	24	14.84	8.91	0.60	4074	14.00	8.40	0.60	4339	12.86	7.71	0.60	4608	11.89	7.13	0.60	4783																		
32	26	15.59	7.48	0.48	4112	14.70	7.06	0.48	4379	13.50	6.48	0.48	4650	12.49	5.99	0.48	4827																		

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-6.0UFE1NH+RAS-6.0UFESNH1

CAPACITY: 14.00 kW SHF: 0.75 INPUT: 5000 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	9.73	5.54	0.57	1380	9.73	5.54	0.57	1530	9.73	5.54	0.57	1680	10.80	6.16	0.57	1780	10.80	6.16	0.57	1980	16.44	9.37	0.57	4064	15.73	8.97	0.57	4274	15.12	8.62	0.57	4470	14.54	8.29	0.57	4676
21	20	10.22	4.60	0.45	1420	10.22	4.60	0.45	1570	10.22	4.60	0.45	1720	11.36	5.11	0.45	1820	11.36	5.11	0.45	2020	17.28	7.77	0.45	4097	16.53	7.44	0.45	4308	15.90	7.15	0.45	4506	15.29	6.88	0.45	4714
22	18	9.73	5.93	0.61	1380	9.73	5.93	0.61	1530	9.73	5.93	0.61	1680	10.80	6.59	0.61	1780	10.80	6.59	0.61	1980	16.44	10.03	0.61	4064	15.73	9.60	0.61	4274	15.12	9.23	0.61	4470	14.54	8.87	0.61	4676
22	20	10.22	5.01	0.49	1420	10.22	5.01	0.49	1570	10.22	5.01	0.49	1720	11.36	5.56	0.49	1820	11.36	5.56	0.49	2020	17.28	8.47	0.49	4097	16.53	8.10	0.49	4308	15.90	7.79	0.49	4506	15.29	7.49	0.49	4714
22	22	10.84	4.01	0.37	1459	10.84	4.01	0.37	1609	10.84	4.01	0.37	1759	12.04	4.45	0.37	1859	12.04	4.45	0.37	2059	18.31	6.78	0.37	4129	17.52	6.48	0.37	4342	16.85	6.23	0.37	4541	16.20	5.99	0.37	4750
23	18	9.73	6.32	0.65	1380	9.73	6.32	0.65	1530	9.73	6.32	0.65	1680	10.80	7.02	0.65	1780	10.80	7.02	0.65	1980	16.44	10.68	0.65	4064	15.73	10.22	0.65	4274	15.12	9.83	0.65	4470	14.54	9.45	0.65	4676
23	20	10.22	5.42	0.53	1420	10.22	5.42	0.53	1570	10.22	5.42	0.53	1720	11.36	6.02	0.53	1820	11.36	6.02	0.53	2020	17.28	9.16	0.53	4097	16.53	8.76	0.53	4308	15.90	8.43	0.53	4506	15.29	8.10	0.53	4714
23	22	10.84	4.44	0.41	1459	10.84	4.44	0.41	1609	10.84	4.44	0.41	1759	12.04	4.94	0.41	1859	12.04	4.94	0.41	2059	18.31	7.51	0.41	4129	17.52	7.19	0.41	4342	16.85	6.91	0.41	4541	16.20	6.64	0.41	4750
24	18	9.73	6.71	0.69	1380	9.73	6.71	0.69	1530	9.73	6.71	0.69	1680	10.80	7.46	0.69	1780	10.80	7.46	0.69	1980	16.44	11.34	0.69	4064	15.73	10.85	0.69	4274	15.12	10.44	0.69	4470	14.54	10.03	0.69	4676
24	20	10.22	5.83	0.57	1420	10.22	5.83	0.57	1570	10.22	5.83	0.57	1720	11.36	6.47	0.57	1820	11.36	6.47	0.57	2020	17.28	9.85	0.57	4097	16.53	9.42	0.57	4308	15.90	9.06	0.57	4506	15.29	8.71	0.57	4714
24	22	10.84	4.88	0.45	1459	10.84	4.88	0.45	1609	10.84	4.88	0.45	1759	12.04	5.42	0.45	1859	12.04	5.42	0.45	2059	18.31	8.24	0.45	4129	17.52	7.89	0.45	4342	16.85	7.58	0.45	4541	16.20	7.29	0.45	4750
24	24	11.49	3.79	0.33	1499	11.49	3.79	0.33	1649	11.49	3.79	0.33	1799	12.76	4.21	0.33	1899	12.76	4.21	0.33	2099	19.41	6.41	0.33	4161	18.58	6.13	0.33	4376	17.86	5.89	0.33	4577	17.17	5.67	0.33	4788
25	18	9.73	7.10	0.73	1380	9.73	7.10	0.73	1530	9.73	7.10	0.73	1680	10.80	7.89	0.73	1780	10.80	7.89	0.73	1980	16.44	12.00	0.73	4064	15.73	11.48	0.73	4274	15.12	11.04	0.73	4470	14.54	10.62	0.73	4676
25	20	10.22	6.24	0.61	1420	10.22	6.24	0.61	1570	10.22	6.24	0.61	1720	11.36	6.93	0.61	1820	11.36	6.93	0.61	2020	17.28	10.54	0.61	4097	16.53	10.08	0.61	4308	15.90	9.70	0.61	4506	15.29	9.32	0.61	4714
25	22	10.84	5.31	0.49	1459	10.84	5.31	0.49	1609	10.84	5.31	0.49	1759	12.04	5.90	0.49	1859	12.04	5.90	0.49	2059	18.31	8.97	0.49	4129	17.52	8.59	0.49	4342	16.85	8.26	0.49	4541	16.20	7.94	0.49	4750
25	24	11.49	4.25	0.37	1499	11.49	4.25	0.37	1649	11.49	4.25	0.37	1799	12.76	4.72	0.37	1899	12.76	4.72	0.37	2099	19.41	7.18	0.37	4161	18.58	6.87	0.37	4376	17.86	6.61	0.37	4577	17.17	6.35	0.37	4788
26	18	9.73	7.49	0.77	1380	9.73	7.49	0.77	1530	9.73	7.49	0.77	1680	10.80	8.32	0.77	1780	10.80	8.32	0.77	1980	16.44	12.66	0.77	4064	15.73	12.11	0.77	4274	15.12	11.65	0.77	4470	14.54	11.20	0.77	4676
26	20	10.22	6.65	0.65	1420	10.22	6.65	0.65	1570	10.22	6.65	0.65	1720	11.36	7.38	0.65	1820	11.36	7.38	0.65	2020	17.28	11.23	0.65	4097	16.53	10.75	0.65	4308	15.90	10.33	0.65	4506	15.29	9.94	0.65	4714
26	22	10.84	5.74	0.53	1459	10.84	5.74	0.53	1609	10.84	5.74	0.53	1759	12.04	6.38	0.53	1859	12.04	6.38	0.53	2059	18.31	9.71	0.53	4129	17.52	9.29	0.53	4342	16.85	8.93	0.53	4541	16.20	8.59	0.53	4750
26	24	11.49	4.71	0.41	1499	11.49	4.71	0.41	1649	11.49	4.71	0.41	1799	12.76	5.23	0.41	1899	12.76	5.23	0.41	2099	19.41	7.96	0.41	4161	18.58	7.62	0.41	4376	17.86	7.32	0.41	4577	17.17	7.04	0.41	4788
26	26	12.06	3.50	0.29	1539	12.06	3.50	0.29	1689	12.06	3.50	0.29	1839	13.40	3.89	0.29	1939	13.40	3.89	0.29	2139	20.38	5.91	0.29	4194	19.50	5.66	0.29	4410	18.75	5.44	0.29	4613	18.03	5.23	0.29	4826
27	18	9.73	7.88	0.81	1380	9.73	7.88	0.81	1530	9.73	7.88	0.81	1680	10.80	8.75	0.81	1780	10.80	8.75	0.81	1980	16.44	13.31	0.81	4064	15.73	12.74	0.81	4274	15.12	12.25	0.81	4470	14.54	11.78	0.81	4676
27	19	9.93	7.44	0.75	1400	9.93	7.44	0.75	1550	9.93	7.44	0.75	1700	11.03	8.27	0.75	1800	11.03	8.27	0.75	2000	16.77	12.58	0.75	4081	16.05	12.04	0.75	4291	15.43	11.58	0.75	4488	14.84	11.13	0.75	4695
27	20	10.22	7.05	0.69	1420	10.22	7.05	0.69	1570	10.22	7.05	0.69	1720	11.36	7.84	0.69	1820	11.36	7.84	0.69	2020	17.28	11.92	0.69	4097	16.53	11.41	0.69	4308	15.90	10.97	0.69	4506	15.29	10.55	0.69	4714
27	22	10.84	6.18	0.57	1459	10.84	6.18	0.57	1609	10.84	6.18	0.57	1759	12.04	6.86	0.57	1859	12.04	6.86	0.57	2059	18.31	10.44	0.57	4129	17.52	9.99	0.57	4342	16.85	9.60	0.57	4541	16.20	9.24	0.57	4750
27	24	11.49	5.17	0.45	1499	11.49	5.17	0.45	1649	11.49	5.17	0.45	1799	12.76	5.74	0.45	1899	12.76	5.74	0.45	2099	19.41	8.74	0.45	4161	18.58	8.36	0.45	4376	17.86	8.04	0.45	4577	17.17	7.73	0.45	4788
27	26	12.06	3.98	0.33	1539	12.06	3.98	0.33	1689	12.06	3.98	0.33	1839	13.40	4.42	0.33	1939	13.40	4.42	0.33	2139	20.38	6.73	0.33	4194	19.50	6.44	0.33	4410	18.75	6.19	0.33	4613	18.03	5.95	0.33	4826
28	18	9.73	8.27	0.85	1380	9.73	8.27	0.85	1530	9.73	8.27	0.85	1680	10.80	9.18	0.85	1780	10.80	9.18	0.85	1980	16.44	13.97	0.85	4064	15.73	13.37	0.85	4274	15.12	12.86	0.85	4470	14.54	12.36	0.85	4676
28	20	10.22	7.46	0.73	1420	10.22	7.46	0.73	1570	10.22	7.46	0.73	1720	11.36	8.29	0.73	1820	11.36	8.29	0.73	2020	17.28	12.61	0.73	4097	16.53	12.07	0.73	4308	15.90	11.60	0.73	4506	15.29	11.16	0.73	4714
28	22	10.84	6.61	0.61	1459	10.84	6.61	0.61	1609	10.84	6.61	0.61	1759	12.04	7.34	0.61	1859	12.04	7.34	0.61	2059	18.31	11.17	0.61	4129	17.52	10.69	0.61	4342	16.85	10.28	0.61	4541	16.20	9.88	0.61	4750

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		30				35				40				48																					
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																		
21	18	13.72	7.82	0.57	4980	12.59	7.18	0.57	5289	11.65	6.64	0.57	5490																						
21	20	14.42	6.49	0.45	5020	13.24	5.96	0.45	5331	12.24	5.51	0.45	5534																						
22	18	13.72	8.37	0.61	4980	12.59	7.68	0.61	5289	11.65	7.11	0.61	5490																						
22	20	14.42	7.07	0.49	5020	13.24	6.49	0.49	5331	12.24	6.00	0.49	5534																						
22	22	15.29	5.66	0.37	5059	14.03	5.19	0.37	5373	12.98	4.80	0.37	5577																						
23	18	13.72	8.92	0.65	4980	12.59	8.19	0.65	5289	11.65	7.57	0.65	5490																						
23	20	14.42	7.64	0.53	5020	13.24	7.02	0.53	5331	12.24	6.49	0.53	5534																						
23	22	15.29	6.27	0.41	5059	14.03	5.75	0.41	5373	12.98	5.32	0.41	5577																						
24	18	13.72	9.47	0.69	4980	12.59	8.69	0.69	5289	11.65	8.04	0.69	5490																						
24	20	14.42	8.22	0.57	5020	13.24	7.55	0.57	5331	12.24	6.98	0.57	5534																						
24	22	15.29	6.88	0.45	5059	14.03	6.31	0.45	5373	12.98	5.84	0.45	5577																						
24	24	16.20	5.35	0.33	5099	14.87	4.91	0.33	5415	13.76	4.54	0.33	5621																						
25	18	13.72	10.02	0.73	4980	12.59	9.19	0.73	5289	11.65	8.50	0.73	5490																						
25	20	14.42	8.80	0.61	5020	13.24	8.07	0.61	5331	12.24	7.47	0.61	5534																						
25	22	15.29	7.49	0.49	5059	14.03	6.88	0.49	5373	12.98	6.36	0.49	5577																						
25	24	16.20	5.99	0.37	5099	14.87	5.50	0.37	5415	13.76	5.09	0.37	5621																						
26	18	13.72	10.56	0.77	4980	12.59	9.70	0.77	5289	11.65	8.97	0.77	5490																						
26	20	14.42	9.37	0.65	5020	13.24	8.60	0.65	5331	12.24	7.96	0.65	5534																						
26	22	15.29	8.10	0.53	5059	14.03	7.44	0.53	5373	12.98	6.88	0.53	5577																						
26	24	16.20	6.64	0.41	5099	14.87	6.10	0.41	5415	13.76	5.64	0.41	5621																						
26	26	17.01	4.93	0.29	5139	15.62	4.53	0.29	5458	14.45	4.19	0.29	5665																						
27	18	13.72	11.11	0.81	4980	12.59	10.20	0.81	5289	11.65	9.44	0.81	5490																						
27	19	14.00	10.50	0.75	5000	12.85	9.64	0.75	5310	11.89	8.92	0.75	5512																						
27	20	14.42	9.95	0.69	5020	13.24	9.13	0.69	5331	12.24	8.45	0.69	5534																						
27	22	15.29	8.71	0.57	5059	14.03	8.00	0.57	5373	12.98	7.40	0.57	5577																						
27	24	16.20	7.29	0.45	5099	14.87	6.69	0.45	5415	13.76	6.19	0.45	5621																						
27	26	17.01	5.61	0.33	5139	15.62	5.15	0.33	5458	14.45	4.77	0.33	5665																						
28	18	13.72	11.66	0.85	4980	12.59	10.71	0.85	5289	11.65	9.90	0.85	5490																						
28	20	14.42	10.53	0.73	5020	13.24	9.66	0.73	5331	12.24	8.94	0.73	5534																						
28	22	15.29	9.32	0.61	5059	14.03	8.56	0.61	5373	12.98	7.92	0.61	5577																						

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-6.0UFE1NH+RAS-6.0UFESNH1

CAPACITY: 14.00 kW SHF: 0.75 INPUT: 5000 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	11.49	5.63	0.49	1499	11.49	5.63	0.49	1649	11.49	5.63	0.49	1799	12.76	6.25	0.49	1899	12.76	6.25	0.49	2099	19.41	9.51	0.49	4161	18.58	9.10	0.49	4376	17.86	8.75	0.49	4577	17.17	8.42	0.49	4788
28	26	12.06	4.46	0.37	1539	12.06	4.46	0.37	1689	12.06	4.46	0.37	1839	13.40	4.96	0.37	1939	13.40	4.96	0.37	2139	20.38	7.54	0.37	4194	19.50	7.22	0.37	4410	18.75	6.94	0.37	4613	18.03	6.67	0.37	4826
29	18	9.73	8.46	0.87	1380	9.73	8.46	0.87	1530	9.73	8.46	0.87	1680	10.80	9.40	0.87	1780	10.80	9.40	0.87	1980	16.44	14.30	0.87	4064	15.73	13.69	0.87	4274	15.12	13.16	0.87	4470	14.54	12.65	0.87	4676
29	20	10.22	7.87	0.77	1420	10.22	7.87	0.77	1570	10.22	7.87	0.77	1720	11.36	8.74	0.77	1820	11.36	8.74	0.77	2020	17.28	13.30	0.77	4097	16.53	12.73	0.77	4308	15.90	12.24	0.77	4506	15.29	11.77	0.77	4714
29	22	10.84	7.04	0.65	1459	10.84	7.04	0.65	1609	10.84	7.04	0.65	1759	12.04	7.82	0.65	1859	12.04	7.82	0.65	2059	18.31	11.90	0.65	4129	17.52	11.39	0.65	4342	16.85	10.95	0.65	4541	16.20	10.53	0.65	4750
29	24	11.49	6.09	0.53	1499	11.49	6.09	0.53	1649	11.49	6.09	0.53	1799	12.76	6.76	0.53	1899	12.76	6.76	0.53	2099	19.41	10.29	0.53	4161	18.58	9.85	0.53	4376	17.86	9.47	0.53	4577	17.17	9.10	0.53	4788
29	26	12.06	4.95	0.41	1539	12.06	4.95	0.41	1689	12.06	4.95	0.41	1839	13.40	5.49	0.41	1939	13.40	5.49	0.41	2139	20.38	8.36	0.41	4194	19.50	8.00	0.41	4410	18.75	7.69	0.41	4613	18.03	7.39	0.41	4826
30	18	9.73	8.46	0.87	1380	9.73	8.46	0.87	1530	9.73	8.46	0.87	1680	10.80	9.40	0.87	1780	10.80	9.40	0.87	1980	16.44	14.30	0.87	4064	15.73	13.69	0.87	4274	15.12	13.16	0.87	4470	14.54	12.65	0.87	4676
30	20	10.22	8.28	0.81	1420	10.22	8.28	0.81	1570	10.22	8.28	0.81	1720	11.36	9.20	0.81	1820	11.36	9.20	0.81	2020	17.28	13.99	0.81	4097	16.53	13.39	0.81	4308	15.90	12.88	0.81	4506	15.29	12.38	0.81	4714
30	22	10.84	7.48	0.69	1459	10.84	7.48	0.69	1609	10.84	7.48	0.69	1759	12.04	8.31	0.69	1859	12.04	8.31	0.69	2059	18.31	12.64	0.69	4129	17.52	12.09	0.69	4342	16.85	11.63	0.69	4541	16.20	11.18	0.69	4750
30	24	11.49	6.55	0.57	1499	11.49	6.55	0.57	1649	11.49	6.55	0.57	1799	12.76	7.27	0.57	1899	12.76	7.27	0.57	2099	19.41	11.06	0.57	4161	18.58	10.59	0.57	4376	17.86	10.18	0.57	4577	17.17	9.79	0.57	4788
30	26	12.06	5.43	0.45	1539	12.06	5.43	0.45	1689	12.06	5.43	0.45	1839	13.40	6.03	0.45	1939	13.40	6.03	0.45	2139	20.38	9.17	0.45	4194	19.50	8.78	0.45	4410	18.75	8.44	0.45	4613	18.03	8.11	0.45	4826
31	18	9.73	8.46	0.87	1380	9.73	8.46	0.87	1530	9.73	8.46	0.87	1680	10.80	9.40	0.87	1780	10.80	9.40	0.87	1980	16.44	14.30	0.87	4064	15.73	13.69	0.87	4274	15.12	13.16	0.87	4470	14.54	12.65	0.87	4676
31	20	10.22	8.69	0.85	1420	10.22	8.69	0.85	1570	10.22	8.69	0.85	1720	11.36	9.65	0.85	1820	11.36	9.65	0.85	2020	17.28	14.68	0.85	4097	16.53	14.05	0.85	4308	15.90	13.51	0.85	4506	15.29	12.99	0.85	4714
31	22	10.84	7.91	0.73	1459	10.84	7.91	0.73	1609	10.84	7.91	0.73	1759	12.04	8.79	0.73	1859	12.04	8.79	0.73	2059	18.31	13.37	0.73	4129	17.52	12.79	0.73	4342	16.85	12.30	0.73	4541	16.20	11.83	0.73	4750
31	24	11.49	7.01	0.61	1499	11.49	7.01	0.61	1649	11.49	7.01	0.61	1799	12.76	7.78	0.61	1899	12.76	7.78	0.61	2099	19.41	11.84	0.61	4161	18.58	11.33	0.61	4376	17.86	10.90	0.61	4577	17.17	10.48	0.61	4788
31	26	12.06	5.91	0.49	1539	12.06	5.91	0.49	1689	12.06	5.91	0.49	1839	13.40	6.56	0.49	1939	13.40	6.56	0.49	2139	20.38	9.99	0.49	4194	19.50	9.56	0.49	4410	18.75	9.19	0.49	4613	18.03	8.84	0.49	4826
32	18	9.73	8.46	0.87	1380	9.73	8.46	0.87	1530	9.73	8.46	0.87	1680	10.80	9.40	0.87	1780	10.80	9.40	0.87	1980	16.44	14.30	0.87	4064	15.73	13.69	0.87	4274	15.12	13.16	0.87	4470	14.54	12.65	0.87	4676
32	20	10.22	8.89	0.87	1420	10.22	8.89	0.87	1570	10.22	8.89	0.87	1720	11.36	9.88	0.87	1820	11.36	9.88	0.87	2020	17.28	15.03	0.87	4097	16.53	14.38	0.87	4308	15.90	13.83	0.87	4506	15.29	13.30	0.87	4714
32	22	10.84	8.34	0.77	1459	10.84	8.34	0.77	1609	10.84	8.34	0.77	1759	12.04	9.27	0.77	1859	12.04	9.27	0.77	2059	18.31	14.10	0.77	4129	17.52	13.49	0.77	4342	16.85	12.97	0.77	4541	16.20	12.48	0.77	4750
32	24	11.49	7.47	0.65	1499	11.49	7.47	0.65	1649	11.49	7.47	0.65	1799	12.76	8.29	0.65	1899	12.76	8.29	0.65	2099	19.41	12.62	0.65	4161	18.58	12.07	0.65	4376	17.86	11.61	0.65	4577	17.17	11.16	0.65	4788
32	26	12.06	6.39	0.53	1539	12.06	6.39	0.53	1689	12.06	6.39	0.53	1839	13.40	7.10	0.53	1939	13.40	7.10	0.53	2139	20.38	10.80	0.53	4194	19.50	10.34	0.53	4410	18.75	9.94	0.53	4613	18.03	9.56	0.53	4826

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
28	24	16.20	7.94	0.49	5099	14.87	7.29	0.49	5415	13.76	6.74	0.49	5621																						
28	26	17.01	6.29	0.37	5139	15.62	5.78	0.37	5458	14.45	5.35	0.37	5665																						
29	18	15.12	13.16	0.87	4470	14.54	12.65	0.87	4676	13.72	11.94	0.87	4980	12.59	10.96	0.87	5289	11.65	10.14	0.87	5490														
29	20	15.90	12.24	0.77	4506	15.29	11.77	0.77	4714	14.42	11.10	0.77	5020	13.24	10.19	0.77	5331	12.24	9.43	0.77	5534														
29	22	16.85	10.95	0.65	4541	16.20	10.53	0.65	4750	15.29	9.94	0.65	5059	14.03	9.12	0.65	5373	12.98	8.44	0.65	5577														
29	24	17.86	9.47	0.53	4577	17.17	9.10	0.53	4788	16.20	8.59	0.53	5099	14.87	7.88	0.53	5415	13.76	7.29	0.53	5621														
29	26	18.75	7.69	0.41	4613	18.03	7.39	0.41	4826	17.01	6.98	0.41	5139	15.62	6.40	0.41	5458	14.45	5.92	0.41	5665														
30	18	15.12	13.16	0.87	4470	14.54	12.65	0.87	4676	13.72	11.94	0.87	4980	12.59	10.96	0.87	5289	11.65	10.14	0.87	5490														
30	20	15.90	12.88	0.81	4506	15.29	12.38	0.81	4714	14.42	11.68	0.81	5020	13.24	10.72	0.81	5331	12.24	9.92	0.81	5534														
30	22	16.85	11.63	0.69	4541	16.20	11.18	0.69	4750	15.29	10.55	0.69	5059	14.03	9.68	0.69	5373	12.98	8.96	0.69	5577														
30	24	17.86	10.18	0.57	4577	17.17	9.79	0.57	4788	16.20	9.24	0.57	5099	14.87	8.48	0.57	5415	13.76	7.84	0.57	5621														
30	26	18.75	8.44	0.45	4613	18.03	8.11	0.45	4826	17.01	7.66	0.45	5139	15.62	7.03	0.45	5458	14.45	6.50	0.45	5665														
31	18	15.12	13.16	0.87	4470	14.54	12.65	0.87	4676	13.72	11.94	0.87	4980	12.59	10.96	0.87	5289	11.65	10.14	0.87	5490														
31	20	15.90	13.51	0.85	4506	15.29	12.99	0.85	4714	14.42	12.26	0.85	5020	13.24	11.25	0.85	5331	12.24	10.41	0.85	5534														
31	22	16.85	12.30	0.73	4541	16.20	11.83	0.73	4750	15.29	11.16	0.73	5059	14.03	10.24	0.73	5373	12.98	9.47	0.73	5577														
31	24	17.86	10.90	0.61	4577	17.17	10.48	0.61	4788	16.20	9.88	0.61	5099	14.87	9.07	0.61	5415	13.76	8.39	0.61	5621														
31	26	18.75	9.19	0.49	4613	18.03	8.84	0.49	4826	17.01	8.34	0.49	5139	15.62	7.65	0.49	5458	14.45	7.08	0.49	5665														
32	18	15.12	13.16	0.87	4470	14.54	12.65	0.87	4676	13.72	11.94	0.87	4980	12.59	10.96	0.87	5289	11.65	10.14	0.87	5490														
32	20	15.90	13.83	0.87	4506	15.29	13.30	0.87	4714	14.42	12.55	0.87	5020	13.24	11.52	0.87	5331	12.24	10.65	0.87	5534														
32	22	16.85	12.97	0.77	4541	16.20	12.48	0.77	4750	15.29	11.77	0.77	5059	14.03	10.80	0.77	5373	12.98	9.99	0.77	5577														
32	24	17.86	11.61	0.65	4577	17.17	11.16	0.65	4788	16.20	10.53	0.65	5099	14.87	9.67	0.65	5415	13.76	8.94	0.65	5621														
32	26	18.75	9.94	0.53	4613	18.03	9.56	0.53	4826	17.01	9.02	0.53	5139	15.62	8.28	0.53	5458	14.45	7.66	0.53	5665														

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-6.0UFE1NH+RAS-6.0UFESMH1

CAPACITY: 13.90 kW SHF: 0.75 INPUT: 4810 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	9.66	5.51	0.57	1327	9.66	5.51	0.57	1471	9.66	5.51	0.57	1615	10.73	6.11	0.57	1712	10.73	6.11	0.57	1904	16.32	9.30	0.57	3909	15.62	8.90	0.57	4111	15.02	8.56	0.57	4300	14.44	8.23	0.57	4498
21	20	10.15	4.57	0.45	1367	10.15	4.57	0.45	1511	10.15	4.57	0.45	1655	11.27	5.07	0.45	1752	11.27	5.07	0.45	1944	17.15	7.72	0.45	3942	16.41	7.39	0.45	4145	15.78	7.10	0.45	4336	15.18	6.83	0.45	4535
22	18	9.66	5.89	0.61	1327	9.66	5.89	0.61	1471	9.66	5.89	0.61	1615	10.73	6.54	0.61	1712	10.73	6.54	0.61	1904	16.32	9.96	0.61	3909	15.62	9.53	0.61	4111	15.02	9.16	0.61	4300	14.44	8.81	0.61	4498
22	20	10.15	4.97	0.49	1367	10.15	4.97	0.49	1511	10.15	4.97	0.49	1655	11.27	5.52	0.49	1752	11.27	5.52	0.49	1944	17.15	8.40	0.49	3942	16.41	8.04	0.49	4145	15.78	7.73	0.49	4336	15.18	7.44	0.49	4535
22	22	10.76	3.98	0.37	1406	10.76	3.98	0.37	1550	10.76	3.98	0.37	1694	11.95	4.42	0.37	1791	11.95	4.42	0.37	1983	18.18	6.73	0.37	3974	17.40	6.44	0.37	4179	16.73	6.19	0.37	4371	16.09	5.95	0.37	4572
23	18	9.66	6.28	0.65	1327	9.66	6.28	0.65	1471	9.66	6.28	0.65	1615	10.73	6.97	0.65	1712	10.73	6.97	0.65	1904	16.32	10.61	0.65	3909	15.62	10.15	0.65	4111	15.02	9.76	0.65	4300	14.44	9.39	0.65	4498
23	20	10.15	5.38	0.53	1367	10.15	5.38	0.53	1511	10.15	5.38	0.53	1655	11.27	5.98	0.53	1752	11.27	5.98	0.53	1944	17.15	9.09	0.53	3942	16.41	8.70	0.53	4145	15.78	8.37	0.53	4336	15.18	8.04	0.53	4535
23	22	10.76	4.41	0.41	1406	10.76	4.41	0.41	1550	10.76	4.41	0.41	1694	11.95	4.90	0.41	1791	11.95	4.90	0.41	1983	18.18	7.45	0.41	3974	17.40	7.13	0.41	4179	16.73	6.86	0.41	4371	16.09	6.60	0.41	4572
24	18	9.66	6.66	0.69	1327	9.66	6.66	0.69	1471	9.66	6.66	0.69	1615	10.73	7.40	0.69	1712	10.73	7.40	0.69	1904	16.32	11.26	0.69	3909	15.62	10.78	0.69	4111	15.02	10.36	0.69	4300	14.44	9.96	0.69	4498
24	20	10.15	5.79	0.57	1367	10.15	5.79	0.57	1511	10.15	5.79	0.57	1655	11.27	6.43	0.57	1752	11.27	6.43	0.57	1944	17.15	9.78	0.57	3942	16.41	9.36	0.57	4145	15.78	9.00	0.57	4336	15.18	8.65	0.57	4535
24	22	10.76	4.84	0.45	1406	10.76	4.84	0.45	1550	10.76	4.84	0.45	1694	11.95	5.38	0.45	1791	11.95	5.38	0.45	1983	18.18	8.18	0.45	3974	17.40	7.83	0.45	4179	16.73	7.53	0.45	4371	16.09	7.24	0.45	4572
24	24	11.41	3.76	0.33	1446	11.41	3.76	0.33	1590	11.41	3.76	0.33	1734	12.67	4.18	0.33	1831	12.67	4.18	0.33	2023	19.27	6.36	0.33	4006	18.44	6.09	0.33	4213	17.73	5.85	0.33	4407	17.05	5.63	0.33	4610
25	18	9.66	7.05	0.73	1327	9.66	7.05	0.73	1471	9.66	7.05	0.73	1615	10.73	7.83	0.73	1712	10.73	7.83	0.73	1904	16.32	11.91	0.73	3909	15.62	11.40	0.73	4111	15.02	10.96	0.73	4300	14.44	10.54	0.73	4498
25	20	10.15	6.19	0.61	1367	10.15	6.19	0.61	1511	10.15	6.19	0.61	1655	11.27	6.88	0.61	1752	11.27	6.88	0.61	1944	17.15	10.46	0.61	3942	16.41	10.01	0.61	4145	15.78	9.63	0.61	4336	15.18	9.26	0.61	4535
25	22	10.76	5.27	0.49	1406	10.76	5.27	0.49	1550	10.76	5.27	0.49	1694	11.95	5.86	0.49	1791	11.95	5.86	0.49	1983	18.18	8.91	0.49	3974	17.40	8.53	0.49	4179	16.73	8.20	0.49	4371	16.09	7.88	0.49	4572
25	24	11.41	4.22	0.37	1446	11.41	4.22	0.37	1590	11.41	4.22	0.37	1734	12.67	4.69	0.37	1831	12.67	4.69	0.37	2023	19.27	7.13	0.37	4006	18.44	6.82	0.37	4213	17.73	6.56	0.37	4407	17.05	6.31	0.37	4610
26	18	9.66	7.44	0.77	1327	9.66	7.44	0.77	1471	9.66	7.44	0.77	1615	10.73	8.26	0.77	1712	10.73	8.26	0.77	1904	16.32	12.57	0.77	3909	15.62	12.03	0.77	4111	15.02	11.56	0.77	4300	14.44	11.12	0.77	4498
26	20	10.15	6.60	0.65	1367	10.15	6.60	0.65	1511	10.15	6.60	0.65	1655	11.27	7.33	0.65	1752	11.27	7.33	0.65	1944	17.15	11.15	0.65	3942	16.41	10.67	0.65	4145	15.78	10.26	0.65	4336	15.18	9.86	0.65	4535
26	22	10.76	5.70	0.53	1406	10.76	5.70	0.53	1550	10.76	5.70	0.53	1694	11.95	6.33	0.53	1791	11.95	6.33	0.53	1983	18.18	9.64	0.53	3974	17.40	9.22	0.53	4179	16.73	8.87	0.53	4371	16.09	8.53	0.53	4572
26	24	11.41	4.68	0.41	1446	11.41	4.68	0.41	1590	11.41	4.68	0.41	1734	12.67	5.19	0.41	1831	12.67	5.19	0.41	2023	19.27	7.90	0.41	4006	18.44	7.56	0.41	4213	17.73	7.27	0.41	4407	17.05	6.99	0.41	4610
26	26	11.98	3.47	0.29	1486	11.98	3.47	0.29	1630	11.98	3.47	0.29	1774	13.30	3.86	0.29	1871	13.30	3.86	0.29	2063	20.24	5.87	0.29	4039	19.37	5.62	0.29	4247	18.62	5.40	0.29	4443	17.90	5.19	0.29	4647
27	18	9.66	7.82	0.81	1327	9.66	7.82	0.81	1471	9.66	7.82	0.81	1615	10.73	8.69	0.81	1712	10.73	8.69	0.81	1904	16.32	13.22	0.81	3909	15.62	12.65	0.81	4111	15.02	12.16	0.81	4300	14.44	11.70	0.81	4498
27	19	9.86	7.39	0.75	1347	9.86	7.39	0.75	1491	9.86	7.39	0.75	1635	10.95	8.21	0.75	1732	10.95	8.21	0.75	1924	16.65	12.49	0.75	3926	15.94	11.95	0.75	4128	15.32	11.49	0.75	4318	14.73	11.05	0.75	4517
27	20	10.15	7.00	0.69	1367	10.15	7.00	0.69	1511	10.15	7.00	0.69	1655	11.27	7.78	0.69	1752	11.27	7.78	0.69	1944	17.15	11.84	0.69	3942	16.41	11.33	0.69	4145	15.78	10.89	0.69	4336	15.18	10.47	0.69	4535
27	22	10.76	6.13	0.57	1406	10.76	6.13	0.57	1550	10.76	6.13	0.57	1694	11.95	6.81	0.57	1791	11.95	6.81	0.57	1983	18.18	10.36	0.57	3974	17.40	9.92	0.57	4179	16.73	9.54	0.57	4371	16.09	9.17	0.57	4572
27	24	11.41	5.13	0.45	1446	11.41	5.13	0.45	1590	11.41	5.13	0.45	1734	12.67	5.70	0.45	1831	12.67	5.70	0.45	2023	19.27	8.67	0.45	4006	18.44	8.30	0.45	4213	17.73	7.98	0.45	4407	17.05	7.67	0.45	4610
27	26	11.98	3.95	0.33	1486	11.98	3.95	0.33	1630	11.98	3.95	0.33	1774	13.30	4.39	0.33	1871	13.30	4.39	0.33	2063	20.24	6.68	0.33	4039	19.37	6.39	0.33	4247	18.62	6.14	0.33	4443	17.90	5.91	0.33	4647
28	18	9.66	8.21	0.85	1327	9.66	8.21	0.85	1471	9.66	8.21	0.85	1615	10.73	9.12	0.85	1712	10.73	9.12	0.85	1904	16.32	13.87	0.85	3909	15.62	13.27	0.85	4111	15.02	12.76	0.85	4300	14.44	12.27	0.85	4498
28	20	10.15	7.41	0.73	1367	10.15	7.41	0.73	1511	10.15	7.41	0.73	1655	11.27	8.23	0.73	1752	11.27	8.23	0.73	1944	17.15	12.52	0.73	3942	16.41	11.98	0.73	4145	15.78	11.52	0.73	4336	15.18	11.08	0.73	4535
28	22	10.76	6.56	0.61	1406	10.76	6.56	0.61	1550	10.76	6.56	0.61	1694	11.95	7.29	0.61	1791	11.95	7.29	0.61	1983	18.18	11.09	0.61	3974	17.40	10.61	0.61	4179	16.73	10.21	0.61	4371	16.09	9.81	0.61	4572

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
21	18	13.62	7.76	0.57	4790	12.50	7.13	0.57	5087	11.57	6.59	0.57	5280																						
21	20	14.32	6.44	0.45	4830	13.14	5.91	0.45	5129	12.16	5.47	0.45	5324																						
22	18	13.62	8.31	0.61	4790	12.50	7.63	0.61	5087	11.57	7.06	0.61	5280																						
22	20	14.32	7.02	0.49	4830	13.14	6.44	0.49	5129	12.16	5.96	0.49	5324																						
22	22	15.18	5.62	0.37	4869	13.93	5.15	0.37	5171	12.89	4.77	0.37	5367																						
23	18	13.62	8.85	0.65	4790	12.50	8.13	0.65	5087	11.57	7.52	0.65	5280																						
23	20	14.32	7.59	0.53	4830	13.14	6.97	0.53	5129	12.16	6.44	0.53	5324																						
23	22	15.18	6.22	0.41	4869	13.93	5.71	0.41	5171	12.89	5.28	0.41	5367																						
24	18	13.62	9.40	0.69	4790	12.50	8.63	0.69	5087	11.57	7.98	0.69	5280																						
24	20	14.32	8.16	0.57	4830	13.14	7.49	0.57	5129	12.16	6.93	0.57	5324																						
24	22	15.18	6.83	0.45	4869	13.93	6.27	0.45	5171	12.89	5.80	0.45	5367																						
24	24	16.09	5.31	0.33	4909	14.77	4.87	0.33	5213	13.66	4.51	0.33	5411																						
25	18	13.62	9.94	0.73	4790	12.50	9.13	0.73	5087	11.57	8.44	0.73	5280																						
25	20	14.32	8.73	0.61	4830	13.14	8.02	0.61	5129	12.16	7.42	0.61	5324																						
25	22	15.18	7.44	0.49	4869	13.93	6.83	0.49	5171	12.89	6.31	0.49	5367																						
25	24	16.09	5.95	0.37	4909	14.77	5.46	0.37	5213	13.66	5.05	0.37	5411																						
26	18	13.62	10.49	0.77	4790	12.50	9.63	0.77	5087	11.57	8.91	0.77	5280																						
26	20	14.32	9.31	0.65	4830	13.14	8.54	0.65	5129	12.16	7.90	0.65	5324																						
26	22	15.18	8.04	0.53	4869	13.93	7.38	0.53	5171	12.89	6.83	0.53	5367																						
26	24	16.09	6.60	0.41	4909	14.77	6.05	0.41	5213	13.66	5.60	0.41	5411																						
26	26	16.89	4.90	0.29	4949	15.51	4.50	0.29	5256	14.34	4.16	0.29	5456																						
27	18	13.62	11.03	0.81	4790	12.50	10.13	0.81	5087	11.57	9.37	0.81	5280																						
27	19	13.90	10.43	0.75	4810	12.76	9.57	0.75	5108	11.80	8.85	0.75	5302																						
27	20	14.32	9.88	0.69	4830	13.14	9.07	0.69	5129	12.16	8.39	0.69	5324																						
27	22	15.18	8.65	0.57	4869	13.93	7.94	0.57	5171	12.89	7.35	0.57	5367																						
27	24	16.09	7.24	0.45	4909	14.77	6.65	0.45	5213	13.66	6.15	0.45	5411																						
27	26	16.89	5.57	0.33	4949	15.51	5.12	0.33	5256	14.34	4.73	0.33	5456																						
28	18	13.62	11.58	0.85	4790	12.50	10.63	0.85	5087	11.57	9.83	0.85	5280																						
28	20	14.32	10.45	0.73	4830	13.14	9.59	0.73	5129	12.16	8.87	0.73	5324																						
28	22	15.18	9.26	0.61	4869	13.93	8.50	0.61	5171	12.89	7.86	0.61	5367																						

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-6.0UFE1NH+RAS-6.0UFESMH1

CAPACITY: 13.90 kW SHF: 0.75 INPUT: 4810 W

OUTDOOR DB (°C)

INDOOR DB (°C)	INDOOR WB (°C)	-15				-7				0				10				15			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	11.41	5.59	0.49	1446	11.41	5.59	0.49	1590	11.41	5.59	0.49	1734	12.67	6.21	0.49	1831	12.67	6.21	0.49	2023
28	26	11.98	4.43	0.37	1486	11.98	4.43	0.37	1630	11.98	4.43	0.37	1774	13.30	4.92	0.37	1871	13.30	4.92	0.37	2063
29	18	9.66	8.40	0.87	1327	9.66	8.40	0.87	1471	9.66	8.40	0.87	1615	10.73	9.33	0.87	1712	10.73	9.33	0.87	1904
29	20	10.15	7.82	0.77	1367	10.15	7.82	0.77	1511	10.15	7.82	0.77	1655	11.27	8.68	0.77	1752	11.27	8.68	0.77	1944
29	22	10.76	6.99	0.65	1406	10.76	6.99	0.65	1550	10.76	6.99	0.65	1694	11.95	7.77	0.65	1791	11.95	7.77	0.65	1983
29	24	11.41	6.04	0.53	1446	11.41	6.04	0.53	1590	11.41	6.04	0.53	1734	12.67	6.71	0.53	1831	12.67	6.71	0.53	2023
29	26	11.98	4.91	0.41	1486	11.98	4.91	0.41	1630	11.98	4.91	0.41	1774	13.30	5.45	0.41	1871	13.30	5.45	0.41	2063
30	18	9.66	8.40	0.87	1327	9.66	8.40	0.87	1471	9.66	8.40	0.87	1615	10.73	9.33	0.87	1712	10.73	9.33	0.87	1904
30	20	10.15	8.22	0.81	1367	10.15	8.22	0.81	1511	10.15	8.22	0.81	1655	11.27	9.13	0.81	1752	11.27	9.13	0.81	1944
30	22	10.76	7.42	0.69	1406	10.76	7.42	0.69	1550	10.76	7.42	0.69	1694	11.95	8.25	0.69	1791	11.95	8.25	0.69	1983
30	24	11.41	6.50	0.57	1446	11.41	6.50	0.57	1590	11.41	6.50	0.57	1734	12.67	7.22	0.57	1831	12.67	7.22	0.57	2023
30	26	11.98	5.39	0.45	1486	11.98	5.39	0.45	1630	11.98	5.39	0.45	1774	13.30	5.99	0.45	1871	13.30	5.99	0.45	2063
31	18	9.66	8.40	0.87	1327	9.66	8.40	0.87	1471	9.66	8.40	0.87	1615	10.73	9.33	0.87	1712	10.73	9.33	0.87	1904
31	20	10.15	8.63	0.85	1367	10.15	8.63	0.85	1511	10.15	8.63	0.85	1655	11.27	9.58	0.85	1752	11.27	9.58	0.85	1944
31	22	10.76	7.85	0.73	1406	10.76	7.85	0.73	1550	10.76	7.85	0.73	1694	11.95	8.72	0.73	1791	11.95	8.72	0.73	1983
31	24	11.41	6.96	0.61	1446	11.41	6.96	0.61	1590	11.41	6.96	0.61	1734	12.67	7.73	0.61	1831	12.67	7.73	0.61	2023
31	26	11.98	5.87	0.49	1486	11.98	5.87	0.49	1630	11.98	5.87	0.49	1774	13.30	6.52	0.49	1871	13.30	6.52	0.49	2063
32	18	9.66	8.40	0.87	1327	9.66	8.40	0.87	1471	9.66	8.40	0.87	1615	10.73	9.33	0.87	1712	10.73	9.33	0.87	1904
32	20	10.15	8.83	0.87	1367	10.15	8.83	0.87	1511	10.15	8.83	0.87	1655	11.27	9.81	0.87	1752	11.27	9.81	0.87	1944
32	22	10.76	8.29	0.77	1406	10.76	8.29	0.77	1550	10.76	8.29	0.77	1694	11.95	9.20	0.77	1791	11.95	9.20	0.77	1983
32	24	11.41	7.41	0.65	1446	11.41	7.41	0.65	1590	11.41	7.41	0.65	1734	12.67	8.23	0.65	1831	12.67	8.23	0.65	2023
32	26	11.98	6.35	0.53	1486	11.98	6.35	0.53	1630	11.98	6.35	0.53	1774	13.30	7.05	0.53	1871	13.30	7.05	0.53	2063

INDOOR DB (°C)	INDOOR WB (°C)	21				25				27				30				35				40				48			
		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
28	24	19.27	9.44	0.49	4006	18.44	9.04	0.49	4213	17.73	8.69	0.49	4407	17.05	8.36	0.49	4610	16.09	7.88	0.49	4909	14.77	7.24	0.49	5213	13.66	6.69	0.49	5411
28	26	20.24	7.49	0.37	4039	19.37	7.17	0.37	4247	18.62	6.89	0.37	4443	17.90	6.62	0.37	4647	16.89	6.25	0.37	4949	15.51	5.74	0.37	5256	14.34	5.31	0.37	5456
29	18	16.32	14.20	0.87	3909	15.62	13.59	0.87	4111	15.02	13.06	0.87	4300	14.44	12.56	0.87	4498	13.62	11.85	0.87	4790	12.50	10.88	0.87	5087	11.57	10.06	0.87	5280
29	20	17.15	13.21	0.77	3942	16.41	12.64	0.77	4145	15.78	12.15	0.77	4336	15.18	11.69	0.77	4535	14.32	11.02	0.77	4830	13.14	10.12	0.77	5129	12.16	9.36	0.77	5324
29	22	18.18	11.82	0.65	3974	17.40	11.31	0.65	4179	16.73	10.87	0.65	4371	16.09	10.46	0.65	4572	15.18	9.86	0.65	4869	13.93	9.06	0.65	5171	12.89	8.38	0.65	5367
29	24	19.27	10.21	0.53	4006	18.44	9.77	0.53	4213	17.73	9.40	0.53	4407	17.05	9.04	0.53	4610	16.09	8.53	0.53	4909	14.77	7.83	0.53	5213	13.66	7.24	0.53	5411
29	26	20.24	8.30	0.41	4039	19.37	7.94	0.41	4247	18.62	7.63	0.41	4443	17.90	7.34	0.41	4647	16.89	6.93	0.41	4949	15.51	6.36	0.41	5256	14.34	5.88	0.41	5456
30	18	16.32	14.20	0.87	3909	15.62	13.59	0.87	4111	15.02	13.06	0.87	4300	14.44	12.56	0.87	4498	13.62	11.85	0.87	4790	12.50	10.88	0.87	5087	11.57	10.06	0.87	5280
30	20	17.15	13.89	0.81	3942	16.41	13.30	0.81	4145	15.78	12.78	0.81	4336	15.18	12.29	0.81	4535	14.32	11.60	0.81	4830	13.14	10.65	0.81	5129	12.16	9.85	0.81	5324
30	22	18.18	12.55	0.69	3974	17.40	12.01	0.69	4179	16.73	11.54	0.69	4371	16.09	11.10	0.69	4572	15.18	10.47	0.69	4869	13.93	9.61	0.69	5171	12.89	8.89	0.69	5367
30	24	19.27	10.99	0.57	4006	18.44	10.51	0.57	4213	17.73	10.11	0.57	4407	17.05	9.72	0.57	4610	16.09	9.17	0.57	4909	14.77	8.42	0.57	5213	13.66	7.79	0.57	5411
30	26	20.24	9.11	0.45	4039	19.37	8.71	0.45	4247	18.62	8.38	0.45	4443	17.90	8.06	0.45	4647	16.89	7.60	0.45	4949	15.51	6.98	0.45	5256	14.34	6.45	0.45	5456
31	18	16.32	14.20	0.87	3909	15.62	13.59	0.87	4111	15.02	13.06	0.87	4300	14.44	12.56	0.87	4498	13.62	11.85	0.87	4790	12.50	10.88	0.87	5087	11.57	10.06	0.87	5280
31	20	17.15	14.58	0.85	3942	16.41	13.95	0.85	4145	15.78	13.42	0.85	4336	15.18	12.90	0.85	4535	14.32	12.17	0.85	4830	13.14	11.17	0.85	5129	12.16	10.33	0.85	5324
31	22	18.18	13.27	0.73	3974	17.40	12.70	0.73	4179	16.73	12.21	0.73	4371	16.09	11.74	0.73	4572	15.18	11.08	0.73	4869	13.93	10.17	0.73	5171	12.89	9.41	0.73	5367
31	24	19.27	11.76	0.61	4006	18.44	11.25	0.61	4213	17.73	10.82	0.61	4407	17.05	10.40	0.61	4610	16.09	9.81	0.61	4909	14.77	9.01	0.61	5213	13.66	8.33	0.61	5411
31	26	20.24	9.92	0.49	4039	19.37	9.49	0.49	4247	18.62	9.12	0.49	4443	17.90	8.77	0.49	4647	16.89	8.28	0.49	4949	15.51	7.60	0.49	5256	14.34	7.03	0.49	5456
32	18	16.32	14.20	0.87	3909	15.62	13.59	0.87	4111	15.02	13.06	0.87	4300	14.44	12.56	0.87	4498	13.62	11.85	0.87	4790	12.50	10.88	0.87	5087	11.57	10.06	0.87	5280
32	20	17.15	14.92	0.87	3942	16.41	14.28	0.87	4145	15.78	13.73	0.87	4336	15.18	13.20	0.87	4535	14.32	12.46	0.87	4830	13.14	11.43	0.87	5129	12.16	10.58	0.87	5324
32	22	18.18	14.00	0.77	3974	17.40	13.40	0.77	4179	16.73	12.88	0.77	4371	16.09	12.39	0.77	4572	15.18	11.69	0.77	4869	13.93	10.73	0.77	5171	12.89	9.92	0.77	5367
32	24	19.27	12.53	0.65	4006	18.44	11.99	0.65	4213	17.73	11.53	0.65	4407	17.05	11.08	0.65	4610	16.09	10.46	0.65	4909	14.77	9.60	0.65	5213	13.66	8.88	0.65	5411
32	26	20.24	10.73	0.53	4039	19.37	10.26	0.53	4247	18.62	9.87	0.53	4443	17.90	9.49	0.53	4647	16.89	8.95	0.53	4949	15.51	8.22	0.53	5256	14.34	7.60	0.53	5456

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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-6.5UFE1NH+RAS-6.5UFESMH1

CAPACITY:16.90 kW SHF: 0.70 INPUT: 6720 W

OUTDOOR DB (°C)

INDOOR DB (°C)	INDOOR WB (°C)	-15				-7				0				10			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	11.74	6.11	0.52	1862	11.74	6.11	0.52	2063	11.74	6.11	0.52	2265	13.04	6.78	0.52	2399
21	20	12.34	4.94	0.40	1902	12.34	4.94	0.40	2103	12.34	4.94	0.40	2305	13.71	5.48	0.40	2439
22	18	11.74	6.58	0.56	1862	11.74	6.58	0.56	2063	11.74	6.58	0.56	2265	13.04	7.30	0.56	2399
22	20	12.34	5.43	0.44	1902	12.34	5.43	0.44	2103	12.34	5.43	0.44	2305	13.71	6.03	0.44	2439
22	22	13.08	4.19	0.32	1941	13.08	4.19	0.32	2142	13.08	4.19	0.32	2344	14.53	4.65	0.32	2478
23	18	11.74	7.05	0.60	1862	11.74	7.05	0.60	2063	11.74	7.05	0.60	2265	13.04	7.83	0.60	2399
23	20	12.34	5.92	0.48	1902	12.34	5.92	0.48	2103	12.34	5.92	0.48	2305	13.71	6.58	0.48	2439
23	22	13.08	4.71	0.36	1941	13.08	4.71	0.36	2142	13.08	4.71	0.36	2344	14.53	5.23	0.36	2478
24	18	11.74	7.52	0.64	1862	11.74	7.52	0.64	2063	11.74	7.52	0.64	2265	13.04	8.35	0.64	2399
24	20	12.34	6.42	0.52	1902	12.34	6.42	0.52	2103	12.34	6.42	0.52	2305	13.71	7.13	0.52	2439
24	22	13.08	5.23	0.40	1941	13.08	5.23	0.40	2142	13.08	5.23	0.40	2344	14.53	5.81	0.40	2478
24	24	13.87	3.88	0.28	1981	13.87	3.88	0.28	2182	13.87	3.88	0.28	2384	15.40	4.31	0.28	2518
25	18	11.74	7.98	0.68	1862	11.74	7.98	0.68	2063	11.74	7.98	0.68	2265	13.04	8.87	0.68	2399
25	20	12.34	6.91	0.56	1902	12.34	6.91	0.56	2103	12.34	6.91	0.56	2305	13.71	7.68	0.56	2439
25	22	13.08	5.76	0.44	1941	13.08	5.76	0.44	2142	13.08	5.76	0.44	2344	14.53	6.39	0.44	2478
25	24	13.87	4.44	0.32	1981	13.87	4.44	0.32	2182	13.87	4.44	0.32	2384	15.40	4.93	0.32	2518
26	18	11.74	8.45	0.72	1862	11.74	8.45	0.72	2063	11.74	8.45	0.72	2265	13.04	9.39	0.72	2399
26	20	12.34	7.40	0.60	1902	12.34	7.40	0.60	2103	12.34	7.40	0.60	2305	13.71	8.22	0.60	2439
26	22	13.08	6.28	0.48	1941	13.08	6.28	0.48	2142	13.08	6.28	0.48	2344	14.53	6.97	0.48	2478
26	24	13.87	4.99	0.36	1981	13.87	4.99	0.36	2182	13.87	4.99	0.36	2384	15.40	5.54	0.36	2518
26	26	14.56	3.49	0.24	2021	14.56	3.49	0.24	2222	14.56	3.49	0.24	2424	16.17	3.88	0.24	2558
27	18	11.74	8.92	0.76	1862	11.74	8.92	0.76	2063	11.74	8.92	0.76	2265	13.04	9.91	0.76	2399
27	19	11.98	8.39	0.70	1882	11.98	8.39	0.70	2083	11.98	8.39	0.70	2285	13.31	9.32	0.70	2419
27	20	12.34	7.90	0.64	1902	12.34	7.90	0.64	2103	12.34	7.90	0.64	2305	13.71	8.77	0.64	2439
27	22	13.08	6.80	0.52	1941	13.08	6.80	0.52	2142	13.08	6.80	0.52	2344	14.53	7.56	0.52	2478
27	24	13.87	5.55	0.40	1981	13.87	5.55	0.40	2182	13.87	5.55	0.40	2384	15.40	6.16	0.40	2518
27	26	14.56	4.08	0.28	2021	14.56	4.08	0.28	2222	14.56	4.08	0.28	2424	16.17	4.53	0.28	2558
28	18	11.74	9.39	0.80	1862	11.74	9.39	0.80	2063	11.74	9.39	0.80	2265	13.04	10.43	0.80	2399
28	20	12.34	8.39	0.68	1902	12.34	8.39	0.68	2103	12.34	8.39	0.68	2305	13.71	9.32	0.68	2439
28	22	13.08	7.33	0.56	1941	13.08	7.33	0.56	2142	13.08	7.33	0.56	2344	14.53	8.14	0.56	2478

INDOOR DB (°C)	INDOOR WB (°C)	15				21				25				27			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	13.04	6.78	0.52	2668	19.84	10.32	0.52	5468	18.99	9.87	0.52	5750	18.26	9.49	0.52	6014
21	20	13.71	5.48	0.40	2708	20.86	8.34	0.40	5501	19.96	7.98	0.40	5784	19.19	7.68	0.40	6050
22	18	13.04	7.30	0.56	2668	19.84	11.11	0.56	5468	18.99	10.63	0.56	5750	18.26	10.22	0.56	6014
22	20	13.71	6.03	0.44	2708	20.86	9.18	0.44	5501	19.96	8.78	0.44	5784	19.19	8.44	0.44	6050
22	22	14.53	4.65	0.32	2747	22.11	7.07	0.32	5533	21.15	6.77	0.32	5818	20.34	6.51	0.32	6085
23	18	13.04	7.83	0.60	2668	19.84	11.91	0.60	5468	18.99	11.39	0.60	5750	18.26	10.95	0.60	6014
23	20	13.71	6.58	0.48	2708	20.86	10.01	0.48	5501	19.96	9.58	0.48	5784	19.19	9.21	0.48	6050
23	22	14.53	5.23	0.36	2747	22.11	7.96	0.36	5533	21.15	7.62	0.36	5818	20.34	7.32	0.36	6085
24	18	13.04	8.35	0.64	2668	19.84	12.70	0.64	5468	18.99	12.15	0.64	5750	18.26	11.69	0.64	6014
24	20	13.71	7.13	0.52	2708	20.86	10.84	0.52	5501	19.96	10.38	0.52	5784	19.19	9.98	0.52	6050
24	22	14.53	5.81	0.40	2747	22.11	8.84	0.40	5533	21.15	8.46	0.40	5818	20.34	8.14	0.40	6085
24	24	15.40	4.31	0.28	2787	23.43	6.56	0.28	5565	22.42	6.28	0.28	5852	21.56	6.04	0.28	6121
25	18	13.04	8.87	0.68	2668	19.84	13.49	0.68	5468	18.99	12.91	0.68	5750	18.26	12.42	0.68	6014
25	20	13.71	7.68	0.56	2708	20.86	11.68	0.56	5501	19.96	11.18	0.56	5784	19.19	10.75	0.56	6050
25	22	14.53	6.39	0.44	2747	22.11	9.73	0.44	5533	21.15	9.31	0.44	5818	20.34	8.95	0.44	6085
25	24	15.40	4.93	0.32	2787	23.43	7.50	0.32	5565	22.42	7.18	0.32	5852	21.56	6.90	0.32	6121
26	18	13.04	9.39	0.72	2668	19.84	14.29	0.72	5468	18.99	13.67	0.72	5750	18.26	13.15	0.72	6014
26	20	13.71	8.22	0.60	2708	20.86	12.51	0.60	5501	19.96	11.97	0.60	5784	19.19	11.51	0.60	6050
26	22	14.53	6.97	0.48	2747	22.11	10.61	0.48	5533	21.15	10.15	0.48	5818	20.34	9.76	0.48	6085
26	24	15.40	5.54	0.36	2787	23.43	8.44	0.36	5565	22.42	8.07	0.36	5852	21.56	7.76	0.36	6121
26	26	16.17	3.88	0.24	2827	24.60	5.91	0.24	5598	23.54	5.65	0.24	5886	22.64	5.43	0.24	6157
27	18	13.04	9.91	0.76	2668	19.84	15.08	0.76	5468	18.99	14.43	0.76	5750	18.26	13.88	0.76	6014
27	19	13.31	9.32	0.70	2688	20.25	14.17	0.70	5484	19.38	13.56	0.70	5767	18.63	13.04	0.70	6032
27	20	13.71	8.77	0.64	2708	20.86	13.35	0.64	5501	19.96	12.77	0.64	5784	19.19	12.28	0.64	6050
27	22	14.53	7.56	0.52	2747	22.11	11.50	0.52	5533	21.15	11.00	0.52	5818	20.34	10.58	0.52	6085
27	24	15.40	6.16	0.40	2787	23.43	9.37	0.40	5565	22.42	8.97	0.40	5852	21.56	8.62	0.40	6121
27	26	16.17	4.53	0.28	2827	24.60	6.89	0.28	5598	23.54	6.59	0.28	5886	22.64	6.34	0.28	6157
28	18	13.04	10.43	0.80	2668	19.84	15.87	0.80	5468	18.99	15.19	0.80	5750	18.26	14.61	0.80	6014
28	20	13.71	9.32	0.68	2708	20.86	14.18	0.68	5501	19.96	13.57	0.68	5784	19.19	13.05	0.68	6050
28	22	14.53	8.14	0.56	2747	22.11	12.38	0.56	5533	21.15	11.85	0.56	5818	20.34	11.39	0.56	6085

INDOOR DB (°C)	INDOOR WB (°C)	30				35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	17.56	9.13	0.52	6291	16.56	8.61	0.52	6700	15.20	7.91	0.52	7115	14.06	7.31	0.52	7386
21	20	18.45	7.38	0.40	6329	17.41	6.96	0.40	6740	15.98	6.39	0.40	7158	14.78	5.91	0.40	7430
22	18	17.56	9.83	0.56	6291	16.56	9.27	0.56	6700	15.20	8.51	0.56	7115	14.06	7.88	0.56	7386
22	20	18.45	8.12	0.44	6329	17.41	7.66	0.44	6740	15.98	7.03	0.44	7158	14.78	6.50	0.44	7430
22	22	19.56	6.26	0.32	6365	18.45	5.90	0.32	6779	16.94	5.42	0.32	7199	15.67	5.01	0.32	7473
23	18	17.56	10.53	0.60	6291	16.56	9.94	0.60	6700	15.20	9.12	0.60	7115	14.06	8.44	0.60	7386
23	20	18.45	8.86	0.48	6329	17.41	8.36	0.48	6740	15.98	7.67	0.48	7158	14.78	7.09	0.48	7430
23	22	19.56	7.04	0.36	6365	18.45	6.64	0.36	6779	16.94	6.10	0.36	7199	15.67	5.64	0.36	7473
24	18	17.56	11.24	0.64	6291	16.56	10.60	0.64	6700	15.20	9.73	0.64	7115	14.06	9.00	0.64	7386
24	20	18.45	9.59	0.52	6329	17.41	9.05	0.52	6740	15.98	8.31	0.52	7158	14.78	7.69	0.52	7430
24	22	19.56	7.82	0.40	6365	18.45	7.38	0.40	6779	16.94	6.78	0.40	7199	15.67	6.27	0.40	7473
24	24	20.73	5.80	0.28	6403	19.56	5.48	0.28	6819	17.95	5.03	0.28	7242	16.61	4.65	0.28	7517
25	18	17.56	11.94	0.68	6291	16.56	11.26	0.68	6700	15.20	10.34	0.68	7115	14.06	9.56	0.68	7386
25	20	18.45	10.33	0.56	6329	17.41	9.75	0.56	6740	15.98	8.95	0.56	7158	14.78	8.28	0.56	7430
25	22	19.56	8.61	0.44	6365	18.45	8.12	0.44	6779	16.94	7.45	0.44	7199	15.67	6.89	0.44	7473
25	24	20.73	6.63	0.32	6403	19.56	6.26	0.32	6819	17.95	5.75	0.32	7242	16.61	5.31	0.32	7517
26	18	17.56	12.64	0.72	6291	16.56	11.92	0.72	6700	15.20	10.95	0.72	7115	14.06	10.13	0.72	7386
26	20	18.45	11.07	0.60	6329	17.41	10.44	0.60	6740	15.98	9.59	0.60	7158	14.78	8.87	0.60	7430
26	22	19.56	9.39	0.48	6365	18.45	8.86	0.48	6779	16.94	8.13	0.48	7199	15.67	7.52	0.48	7473
26	24	20.73	7.46	0.36	6403	19.56	7.04	0.36	6819	17.95	6.46	0.36	7242	16.61	5.98	0.36	7517
26	26	21.77	5.22	0.24	6441	20.54	4.93	0.24	6859	18.85	4.52	0.24	7284	17.44	4.19	0.24	7561
27	18	17.56	13.34	0.76	6291	16.56	12.59	0.76	6700	15.20	11.55	0.76	7115	14.06	10.69	0.76	7386
27	19	17.91	12.54	0.70	6310	16.90	11.83	0.70	6720	15.51	10.86	0.70	7137	14.35	10.05	0.70	7408
27	20	18.45	11.81	0.64	6329	17.41	11.14	0.64	6740	15.98	10.23	0.64	7158	14.78	9.46	0.64	7430
27	22	19.56	10.17	0.52	6365	18.45	9.59	0.52	6779	16.94	8.81	0.52	7199	15.67	8.15	0.52	7473
27	24	20.73	8.29	0.40	6403	19.56	7.82	0.40	6819	17.95	7.18	0.40	7242	16.61	6.64	0.40	7517
27	26	21.77	6.10	0.28	6441	20.54	5.75	0.28	6859	18.85	5.28	0.28	7284	17.44	4.88	0.28	7561
28	18	17.56	14.04	0.80	6291	16.56	13.25	0.80	6700	15.20	12.16	0.80	7115	14.06	11.25	0.80	7386
28	20	18.45	12.55	0.68	6329	17.41	11.84	0.68	6740	15.98	10.87	0.68	7158	14.78	10.05	0.68	7430
28	22	19.56	10.95	0.56	6365	18.45	10.33	0.56	6779	16.94	9.49	0.56	7199	15.67	8.77	0.56	7473

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RCI-6.5UFE1NH+RAS-6.5UFESMH1

CAPACITY:16.90 kW SHF: 0.70 INPUT: 6720 W

OUTDOOR DB (°C)

INDOOR DB (°C)	INDOOR WB (°C)	-15				-7				0				10			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	13.87	6.10	0.44	1981	13.87	6.10	0.44	2182	13.87	6.10	0.44	2384	15.40	6.78	0.44	2518
28	26	14.56	4.66	0.32	2021	14.56	4.66	0.32	2222	14.56	4.66	0.32	2424	16.17	5.18	0.32	2558
29	18	11.74	9.63	0.82	1862	11.74	9.63	0.82	2063	11.74	9.63	0.82	2265	13.04	10.69	0.82	2399
29	20	12.34	8.89	0.72	1902	12.34	8.89	0.72	2103	12.34	8.89	0.72	2305	13.71	9.87	0.72	2439
29	22	13.08	7.85	0.60	1941	13.08	7.85	0.60	2142	13.08	7.85	0.60	2344	14.53	8.72	0.60	2478
29	24	13.87	6.66	0.48	1981	13.87	6.66	0.48	2182	13.87	6.66	0.48	2384	15.40	7.39	0.48	2518
29	26	14.56	5.24	0.36	2021	14.56	5.24	0.36	2222	14.56	5.24	0.36	2424	16.17	5.82	0.36	2558
30	18	11.74	9.63	0.82	1862	11.74	9.63	0.82	2063	11.74	9.63	0.82	2265	13.04	10.69	0.82	2399
30	20	12.34	9.38	0.76	1902	12.34	9.38	0.76	2103	12.34	9.38	0.76	2305	13.71	10.42	0.76	2439
30	22	13.08	8.37	0.64	1941	13.08	8.37	0.64	2142	13.08	8.37	0.64	2344	14.53	9.30	0.64	2478
30	24	13.87	7.21	0.52	1981	13.87	7.21	0.52	2182	13.87	7.21	0.52	2384	15.40	8.01	0.52	2518
30	26	14.56	5.82	0.40	2021	14.56	5.82	0.40	2222	14.56	5.82	0.40	2424	16.17	6.47	0.40	2558
31	18	11.74	9.63	0.82	1862	11.74	9.63	0.82	2063	11.74	9.63	0.82	2265	13.04	10.69	0.82	2399
31	20	12.34	9.87	0.80	1902	12.34	9.87	0.80	2103	12.34	9.87	0.80	2305	13.71	10.97	0.80	2439
31	22	13.08	8.90	0.68	1941	13.08	8.90	0.68	2142	13.08	8.90	0.68	2344	14.53	9.88	0.68	2478
31	24	13.87	7.77	0.56	1981	13.87	7.77	0.56	2182	13.87	7.77	0.56	2384	15.40	8.63	0.56	2518
31	26	14.56	6.41	0.44	2021	14.56	6.41	0.44	2222	14.56	6.41	0.44	2424	16.17	7.12	0.44	2558
32	18	11.74	9.63	0.82	1862	11.74	9.63	0.82	2063	11.74	9.63	0.82	2265	13.04	10.69	0.82	2399
32	20	12.34	10.12	0.82	1902	12.34	10.12	0.82	2103	12.34	10.12	0.82	2305	13.71	11.24	0.82	2439
32	22	13.08	9.42	0.72	1941	13.08	9.42	0.72	2142	13.08	9.42	0.72	2344	14.53	10.46	0.72	2478
32	24	13.87	8.32	0.60	1981	13.87	8.32	0.60	2182	13.87	8.32	0.60	2384	15.40	9.24	0.60	2518
32	26	14.56	6.99	0.48	2021	14.56	6.99	0.48	2222	14.56	6.99	0.48	2424	16.17	7.76	0.48	2558

INDOOR DB (°C)	INDOOR WB (°C)	15				21				25				27			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	15.40	6.78	0.44	2787	23.43	10.31	0.44	5565	22.42	9.87	0.44	5852	21.56	9.49	0.44	6121
28	26	16.17	5.18	0.32	2827	24.60	7.87	0.32	5598	23.54	7.53	0.32	5886	22.64	7.24	0.32	6157
29	18	13.04	10.69	0.82	2668	19.84	16.27	0.82	5468	18.99	15.57	0.82	5750	18.26	14.97	0.82	6014
29	20	13.71	9.87	0.72	2708	20.86	15.02	0.72	5501	19.96	14.37	0.72	5784	19.19	13.82	0.72	6050
29	22	14.53	8.72	0.60	2747	22.11	13.26	0.60	5533	21.15	12.69	0.60	5818	20.34	12.20	0.60	6085
29	24	15.40	7.39	0.48	2787	23.43	11.25	0.48	5565	22.42	10.76	0.48	5852	21.56	10.35	0.48	6121
29	26	16.17	5.82	0.36	2827	24.60	8.86	0.36	5598	23.54	8.48	0.36	5886	22.64	8.15	0.36	6157
30	18	13.04	10.69	0.82	2668	19.84	16.27	0.82	5468	18.99	15.57	0.82	5750	18.26	14.97	0.82	6014
30	20	13.71	10.42	0.76	2708	20.86	15.85	0.76	5501	19.96	15.17	0.76	5784	19.19	14.58	0.76	6050
30	22	14.53	9.30	0.64	2747	22.11	14.15	0.64	5533	21.15	13.54	0.64	5818	20.34	13.02	0.64	6085
30	24	15.40	8.01	0.52	2787	23.43	12.19	0.52	5565	22.42	11.66	0.52	5852	21.56	11.21	0.52	6121
30	26	16.17	6.47	0.40	2827	24.60	9.84	0.40	5598	23.54	9.42	0.40	5886	22.64	9.06	0.40	6157
31	18	13.04	10.69	0.82	2668	19.84	16.27	0.82	5468	18.99	15.57	0.82	5750	18.26	14.97	0.82	6014
31	20	13.71	10.97	0.80	2708	20.86	16.68	0.80	5501	19.96	15.97	0.80	5784	19.19	15.35	0.80	6050
31	22	14.53	9.88	0.68	2747	22.11	15.03	0.68	5533	21.15	14.39	0.68	5818	20.34	13.83	0.68	6085
31	24	15.40	8.63	0.56	2787	23.43	13.12	0.56	5565	22.42	12.56	0.56	5852	21.56	12.07	0.56	6121
31	26	16.17	7.12	0.44	2827	24.60	10.83	0.44	5598	23.54	10.36	0.44	5886	22.64	9.96	0.44	6157
32	18	13.04	10.69	0.82	2668	19.84	16.27	0.82	5468	18.99	15.57	0.82	5750	18.26	14.97	0.82	6014
32	20	13.71	11.24	0.82	2708	20.86	17.10	0.82	5501	19.96	16.36	0.82	5784	19.19	15.74	0.82	6050
32	22	14.53	10.46	0.72	2747	22.11	15.92	0.72	5533	21.15	15.23	0.72	5818	20.34	14.65	0.72	6085
32	24	15.40	9.24	0.60	2787	23.43	14.06	0.60	5565	22.42	13.45	0.60	5852	21.56	12.94	0.60	6121
32	26	16.17	7.76	0.48	2827	24.60	11.81	0.48	5598	23.54	11.30	0.48	5886	22.64	10.87	0.48	6157

INDOOR DB (°C)	INDOOR WB (°C)	30				35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	20.73	9.12	0.44	6403	19.56	8.61	0.44	6819	17.95	7.90	0.44	7242	16.61	7.31	0.44	7517
28	26	21.77	6.97	0.32	6441	20.54	6.57	0.32	6859	18.85	6.03	0.32	7284	17.44	5.58	0.32	7561
29	18	17.56	14.40	0.82	6291	16.56	13.58	0.82	6700	15.20	12.47	0.82	7115	14.06	11.53	0.82	7386
29	20	18.45	13.29	0.72	6329	17.41	12.53	0.72	6740	15.98	11.51	0.72	7158	14.78	10.64	0.72	7430
29	22	19.56	11.74	0.60	6365	18.45	11.07	0.60	6779	16.94	10.16	0.60	7199	15.67	9.40	0.60	7473
29	24	20.73	9.95	0.48	6403	19.56	9.39	0.48	6819	17.95	8.62	0.48	7242	16.61	7.97	0.48	7517
29	26	21.77	7.84	0.36	6441	20.54	7.39	0.36	6859	18.85	6.79	0.36	7284	17.44	6.28	0.36	7561
30	18	17.56	14.40	0.82	6291	16.56	13.58	0.82	6700	15.20	12.47	0.82	7115	14.06	11.53	0.82	7386
30	20	18.45	14.02	0.76	6329	17.41	13.23	0.76	6740	15.98	12.14	0.76	7158	14.78	11.23	0.76	7430
30	22	19.56	12.52	0.64	6365	18.45	11.81	0.64	6779	16.94	10.84	0.64	7199	15.67	10.03	0.64	7473
30	24	20.73	10.78	0.52	6403	19.56	10.17	0.52	6819	17.95	9.34	0.52	7242	16.61	8.64	0.52	7517
30	26	21.77	8.71	0.40	6441	20.54	8.21	0.40	6859	18.85	7.54	0.40	7284	17.44	6.98	0.40	7561
31	18	17.56	14.40	0.82	6291	16.56	13.58	0.82	6700	15.20	12.47	0.82	7115	14.06	11.53	0.82	7386
31	20	18.45	14.76	0.80	6329	17.41	13.93	0.80	6740	15.98	12.78	0.80	7158	14.78	11.82	0.80	7430
31	22	19.56	13.30	0.68	6365	18.45	12.55	0.68	6779	16.94	11.52	0.68	7199	15.67	10.65	0.68	7473
31	24	20.73	11.61	0.56	6403	19.56	10.95	0.56	6819	17.95	10.05	0.56	7242	16.61	9.30	0.56	7517
31	26	21.77	9.58	0.44	6441	20.54	9.04	0.44	6859	18.85	8.30	0.44	7284	17.44	7.67	0.44	7561
32	18	17.56	14.40	0.82	6291	16.56	13.58	0.82	6700	15.20	12.47	0.82	7115	14.06	11.53	0.82	7386
32	20	18.45	15.13	0.82	6329	17.41	14.27	0.82	6740	15.98	13.10	0.82	7158	14.78	12.12	0.82	7430
32	22	19.56	14.08	0.72	6365	18.45	13.29	0.72	6779	16.94	12.20	0.72	7199	15.67	11.28	0.72	7473
32	24	20.73	12.44	0.60	6403	19.56	11.74	0.60	6819	17.95	10.77	0.60	7242	16.61	9.96	0.60	7517
32	26	21.77	10.45	0.48	6441	20.54	9.86	0.48	6859	18.85	9.05	0.48	7284	17.44	8.37	0.48	7561

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RCI-3.0UFE1NH+RAS-3.0UFESNH1
CAPACITY: 8.25 kW INPUT: 2030 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	4.37	1116	5.21	1320	6.26	1582	7.35	1785	8.40	1929	9.49	2051	10.47	2111	11.55	2152
21	4.12	1218	4.95	1421	5.93	1684	7.01	1869	7.99	2009	9.08	2111	10.05	2173	11.09	2254
26	3.63	1319	4.46	1523	5.52	1785	6.52	1970	7.58	2111	8.66	2212	9.64	2275	10.73	2335

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RCI-3.5UFE1NH+RAS-3.5UFESNH1
CAPACITY: 9.00 kW INPUT:2250 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	4.77	1237	5.68	1560	6.83	1871	8.02	2111	9.17	2280	10.35	2425	11.42	2495	12.60	2545
21	4.50	1350	5.40	1680	6.47	1991	7.65	2209	8.72	2375	9.90	2495	10.97	2569	12.09	2665
26	3.96	1462	4.87	1800	6.02	2111	7.12	2329	8.27	2495	9.45	2615	10.52	2689	11.70	2760

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RCI-4.0UFE1NH+RAS-4.0UFESNH1
CAPACITY: 11.20 kW INPUT: 3500 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	5.94	1925	7.07	2275	8.51	2728	9.98	3078	11.41	3325	12.88	3536	14.21	3639	15.68	3711
21	5.60	2100	6.72	2450	8.05	2903	9.52	3222	10.85	3464	12.32	3639	13.65	3747	15.05	3886
26	4.93	2275	6.06	2625	7.49	3078	8.86	3397	10.29	3639	11.76	3814	13.09	3922	14.56	4025

Remarks:
Q: Total Heating Capacity (Gross) **kW**
INPUT: 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

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RCI-5.0UFE1NH+RAS-5.0UFESMH1
CAPACITY: 13.50 kW INPUT: 3700 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	7.15	2035	8.52	2405	10.25	2884	12.02	3254	13.75	3515	15.53	3738	17.13	3847	18.90	3923
21	6.75	2220	8.10	2590	9.70	3069	11.48	3406	13.08	3662	14.85	3847	16.45	3961	18.14	4108
26	5.94	2405	7.30	2775	9.03	3254	10.67	3591	12.40	3847	14.18	4032	15.78	4146	17.55	4255

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RCI-6.0UFE1NH+RAS-RAS-6.0UFESMH1
CAPACITY: 16.53kW INPUT: 4710W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	8.76	2590	10.43	3062	12.55	3671	14.72	4142	16.84	4475	19.01	4758	20.97	4897	23.14	4994
21	8.26	2826	9.92	3297	11.88	3907	14.05	4336	16.01	4662	18.18	4897	20.15	5042	22.21	5229
26	7.27	3061	8.94	3533	11.05	4142	13.07	4571	15.19	4897	17.36	5133	19.32	5278	21.49	5417

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RCI-6.5UFE1NH+RAS-6.5UFESMH1
CAPACITY: 19.49 kW INPUT: 6740 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	10.32	3707	12.30	4381	14.80	5254	17.36	5928	19.86	6403	22.41	6809	24.73	7008	27.29	7146
21	9.74	4044	11.69	4718	14.01	5591	16.57	6204	18.88	6671	21.44	7008	23.75	7215	26.19	7483
26	8.57	4381	10.54	5055	13.03	5928	15.41	6541	17.91	7008	20.46	7345	22.78	7552	25.34	7751

Remarks:
Q: Total Heating Capacity (Gross) **kW**
INPUT: 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

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RCI-5.0UFE1NH+RAS-5.0UFESNH1
CAPACITY: 13.30 kW INPUT: 3860 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	7.05	2123	8.40	2509	10.10	3009	11.85	3395	13.55	3667	15.30	3900	16.87	4013	18.62	4093
21	6.65	2316	7.98	2702	9.56	3202	11.31	3553	12.88	3820	14.63	4013	16.21	4132	17.87	4286
26	5.85	2509	7.19	2895	8.89	3395	10.52	3746	12.22	4013	13.97	4206	15.54	4325	17.29	4439

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RCI-6.0UFE1NH+RAS-6.0UFESNH1
CAPACITY: 15.80 kW INPUT: 4950 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	8.37	2722	9.97	3218	12.00	3858	14.07	4353	16.10	4703	18.17	5001	20.05	5147	22.12	5248
21	7.90	2970	9.48	3465	11.36	4106	13.43	4557	15.31	4899	17.38	5147	19.26	5299	21.23	5496
26	6.95	3217	8.54	3713	10.57	4353	12.49	4804	14.52	5147	16.59	5394	18.47	5547	20.54	5693

Remarks:
Q: Total Heating Capacity (Gross) **kW**
INPUT: Power Input (including the compressor, evap. fan motor & cond. fan motor) **W**
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature

Floor ceiling

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-3.0UFE1NH+RAS-3.0UFESNH1

CAPACITY: 6.50 kW SHF: 0.70 INPUT: 1940 W

OUTDOOR DB (°C)

INDOOR DB (°C)	INDOOR WB (°C)	-15				-7				0				10			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.52	2.35	0.52	523	4.52	2.35	0.52	581	4.52	2.35	0.52	640	5.02	2.61	0.52	678
21	20	4.75	1.90	0.40	563	4.75	1.90	0.40	621	4.75	1.90	0.40	680	5.27	2.11	0.40	718
22	18	4.52	2.53	0.56	523	4.52	2.53	0.56	581	4.52	2.53	0.56	640	5.02	2.81	0.56	678
22	20	4.75	2.09	0.44	563	4.75	2.09	0.44	621	4.75	2.09	0.44	680	5.27	2.32	0.44	718
22	22	5.03	1.61	0.32	602	5.03	1.61	0.32	660	5.03	1.61	0.32	719	5.59	1.79	0.32	757
23	18	4.52	2.71	0.60	523	4.52	2.71	0.60	581	4.52	2.71	0.60	640	5.02	3.01	0.60	678
23	20	4.75	2.28	0.48	563	4.75	2.28	0.48	621	4.75	2.28	0.48	680	5.27	2.53	0.48	718
23	22	5.03	1.81	0.36	602	5.03	1.81	0.36	660	5.03	1.81	0.36	719	5.59	2.01	0.36	757
24	18	4.52	2.89	0.64	523	4.52	2.89	0.64	581	4.52	2.89	0.64	640	5.02	3.21	0.64	678
24	20	4.75	2.47	0.52	563	4.75	2.47	0.52	621	4.75	2.47	0.52	680	5.27	2.74	0.52	718
24	22	5.03	2.01	0.40	602	5.03	2.01	0.40	660	5.03	2.01	0.40	719	5.59	2.24	0.40	757
24	24	5.33	1.49	0.28	642	5.33	1.49	0.28	700	5.33	1.49	0.28	759	5.92	1.66	0.28	797
25	18	4.52	3.07	0.68	523	4.52	3.07	0.68	581	4.52	3.07	0.68	640	5.02	3.41	0.68	678
25	20	4.75	2.66	0.56	563	4.75	2.66	0.56	621	4.75	2.66	0.56	680	5.27	2.95	0.56	718
25	22	5.03	2.21	0.44	602	5.03	2.21	0.44	660	5.03	2.21	0.44	719	5.59	2.46	0.44	757
25	24	5.33	1.71	0.32	642	5.33	1.71	0.32	700	5.33	1.71	0.32	759	5.92	1.90	0.32	797
26	18	4.52	3.25	0.72	523	4.52	3.25	0.72	581	4.52	3.25	0.72	640	5.02	3.61	0.72	678
26	20	4.75	2.85	0.60	563	4.75	2.85	0.60	621	4.75	2.85	0.60	680	5.27	3.16	0.60	718
26	22	5.03	2.42	0.48	602	5.03	2.42	0.48	660	5.03	2.42	0.48	719	5.59	2.68	0.48	757
26	24	5.33	1.92	0.36	642	5.33	1.92	0.36	700	5.33	1.92	0.36	759	5.92	2.13	0.36	797
26	26	5.60	1.34	0.24	682	5.60	1.34	0.24	740	5.60	1.34	0.24	799	6.22	1.49	0.24	837
27	18	4.52	3.43	0.76	523	4.52	3.43	0.76	581	4.52	3.43	0.76	640	5.02	3.81	0.76	678
27	19	4.61	3.23	0.70	543	4.61	3.23	0.70	601	4.61	3.23	0.70	660	5.12	3.58	0.70	698
27	20	4.75	3.04	0.64	563	4.75	3.04	0.64	621	4.75	3.04	0.64	680	5.27	3.37	0.64	718
27	22	5.03	2.62	0.52	602	5.03	2.62	0.52	660	5.03	2.62	0.52	719	5.59	2.91	0.52	757
27	24	5.33	2.13	0.40	642	5.33	2.13	0.40	700	5.33	2.13	0.40	759	5.92	2.37	0.40	797
27	26	5.60	1.57	0.28	682	5.60	1.57	0.28	740	5.60	1.57	0.28	799	6.22	1.74	0.28	837
28	18	4.52	3.61	0.80	523	4.52	3.61	0.80	581	4.52	3.61	0.80	640	5.02	4.01	0.80	678
28	20	4.75	3.23	0.68	563	4.75	3.23	0.68	621	4.75	3.23	0.68	680	5.27	3.59	0.68	718
28	22	5.03	2.82	0.56	602	5.03	2.82	0.56	660	5.03	2.82	0.56	719	5.59	3.13	0.56	757

INDOOR DB (°C)	INDOOR WB (°C)	15				21				25				27			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.02	2.61	0.52	756	7.63	3.97	0.52	1567	7.30	3.80	0.52	1648	7.02	3.65	0.52	1724
21	20	5.27	2.11	0.40	796	8.02	3.21	0.40	1600	7.68	3.07	0.40	1682	7.38	2.95	0.40	1759
22	18	5.02	2.81	0.56	756	7.63	4.27	0.56	1567	7.30	4.09	0.56	1648	7.02	3.93	0.56	1724
22	20	5.27	2.32	0.44	796	8.02	3.53	0.44	1600	7.68	3.38	0.44	1682	7.38	3.25	0.44	1759
22	22	5.59	1.79	0.32	835	8.50	2.72	0.32	1631	8.14	2.60	0.32	1716	7.82	2.50	0.32	1794
23	18	5.02	3.01	0.60	756	7.63	4.58	0.60	1567	7.30	4.38	0.60	1648	7.02	4.21	0.60	1724
23	20	5.27	2.53	0.48	796	8.02	3.85	0.48	1600	7.68	3.68	0.48	1682	7.38	3.54	0.48	1759
23	22	5.59	2.01	0.36	835	8.50	3.06	0.36	1631	8.14	2.93	0.36	1716	7.82	2.82	0.36	1794
24	18	5.02	3.21	0.64	756	7.63	4.88	0.64	1567	7.30	4.67	0.64	1648	7.02	4.49	0.64	1724
24	20	5.27	2.74	0.52	796	8.02	4.17	0.52	1600	7.68	3.99	0.52	1682	7.38	3.84	0.52	1759
24	22	5.59	2.24	0.40	835	8.50	3.40	0.40	1631	8.14	3.25	0.40	1716	7.82	3.13	0.40	1794
24	24	5.92	1.66	0.28	875	9.01	2.52	0.28	1664	8.62	2.41	0.28	1750	8.29	2.32	0.28	1830
25	18	5.02	3.41	0.68	756	7.63	5.19	0.68	1567	7.30	4.97	0.68	1648	7.02	4.78	0.68	1724
25	20	5.27	2.95	0.56	796	8.02	4.49	0.56	1600	7.68	4.30	0.56	1682	7.38	4.13	0.56	1759
25	22	5.59	2.46	0.44	835	8.50	3.74	0.44	1631	8.14	3.58	0.44	1716	7.82	3.44	0.44	1794
25	24	5.92	1.90	0.32	875	9.01	2.88	0.32	1664	8.62	2.76	0.32	1750	8.29	2.65	0.32	1830
26	18	5.02	3.61	0.72	756	7.63	5.49	0.72	1567	7.30	5.26	0.72	1648	7.02	5.06	0.72	1724
26	20	5.27	3.16	0.60	796	8.02	4.81	0.60	1600	7.68	4.61	0.60	1682	7.38	4.43	0.60	1759
26	22	5.59	2.68	0.48	835	8.50	4.08	0.48	1631	8.14	3.91	0.48	1716	7.82	3.76	0.48	1794
26	24	5.92	2.13	0.36	875	9.01	3.24	0.36	1664	8.62	3.10	0.36	1750	8.29	2.99	0.36	1830
26	26	6.22	1.49	0.24	915	9.46	2.27	0.24	1697	9.06	2.17	0.24	1784	8.71	2.09	0.24	1866
27	18	5.02	3.81	0.76	756	7.63	5.80	0.76	1567	7.30	5.55	0.76	1648	7.02	5.34	0.76	1724
27	19	5.12	3.58	0.70	776	7.79	5.45	0.70	1583	7.45	5.22	0.70	1665	7.17	5.02	0.70	1742
27	20	5.27	3.37	0.64	796	8.02	5.13	0.64	1600	7.68	4.91	0.64	1682	7.38	4.72	0.64	1759
27	22	5.59	2.91	0.52	835	8.50	4.42	0.52	1631	8.14	4.23	0.52	1716	7.82	4.07	0.52	1794
27	24	5.92	2.37	0.40	875	9.01	3.61	0.40	1664	8.62	3.45	0.40	1750	8.29	3.32	0.40	1830
27	26	6.22	1.74	0.28	915	9.46	2.65	0.28	1697	9.06	2.54	0.28	1784	8.71	2.44	0.28	1866
28	18	5.02	4.01	0.80	756	7.63	6.11	0.80	1567	7.30	5.84	0.80	1648	7.02	5.62	0.80	1724
28	20	5.27	3.59	0.68	796	8.02	5.45	0.68	1600	7.68	5.22	0.68	1682	7.38	5.02	0.68	1759
28	22	5.59	3.13	0.56	835	8.50	4.76	0.56	1631	8.14	4.56	0.56	1716	7.82	4.38	0.56	1794

INDOOR DB (°C)	INDOOR WB (°C)	30				35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.75	3.51	0.52	1803	6.37	3.31	0.52	1920	5.85	3.04	0.52	2039	5.41	2.81	0.52	2117
21	20	7.10	2.84	0.40	1840	6.70	2.68	0.40	1960	6.15	2.46	0.40	2082	5.69	2.27	0.40	2161
22	18	6.75	3.78	0.56	1803	6.37	3.57	0.56	1920	5.85	3.27	0.56	2039	5.41	3.03	0.56	2117
22	20	7.10	3.12	0.44	1840	6.70	2.95	0.44	1960	6.15	2.70	0.44	2082	5.69	2.50	0.44	2161
22	22	7.52	2.41	0.32	1877	7.10	2.27	0.32	1999	6.51	2.08	0.32	2123	6.03	1.93	0.32	2204
23	18	6.75	4.05	0.60	1803	6.37	3.82	0.60	1920	5.85	3.51	0.60	2039	5.41	3.25	0.60	2117
23	20	7.10	3.41	0.48	1840	6.70	3.21	0.48	1960	6.15	2.95	0.48	2082	5.69	2.73	0.48	2161
23	22	7.52	2.71	0.36	1877	7.10	2.55	0.36	1999	6.51	2.35	0.36	2123	6.03	2.17	0.36	2204
24	18	6.75	4.32	0.64	1803	6.37	4.08	0.64	1920	5.85	3.74	0.64	2039	5.41	3.46	0.64	2117
24	20	7.10	3.69	0.52	1840	6.70	3.48	0.52	1960	6.15	3.20	0.52	2082	5.69	2.96	0.52	2161
24	22	7.52	3.01	0.40	1877	7.10	2.84	0.40	1999	6.51	2.61	0.40	2123	6.03	2.41	0.40	2204
24	24	7.97	2.23	0.28	1915	7.52	2.11	0.28	2039	6.91	1.93	0.28	2165	6.39	1.79	0.28	2248
25	18	6.75	4.59	0.68	1803	6.37	4.33	0.68	1920	5.85	3.98	0.68	2039	5.41	3.68	0.68	2117
25	20	7.10	3.97	0.56	1840	6.70	3.75	0.56	1960	6.15	3.44	0.56	2082	5.69	3.18	0.56	2161
25	22	7.52	3.31	0.44	1877	7.10	3.12	0.44	1999	6.51	2.87	0.44	2123	6.03	2.65	0.44	2204
25	24	7.97	2.55	0.32	1915	7.52	2.41	0.32	2039	6.91	2.21	0.32	2165	6.39	2.04	0.32	2248
26	18	6.75	4.86	0.72	1803	6.37	4.59	0.72	1920	5.85	4.21	0.72	2039	5.41	3.89	0.72	2117
26	20	7.10	4.26	0.60	1840	6.70	4.02	0.60	1960	6.15	3.69	0.60	2082	5.69	3.41	0.60	2161
26	22	7.52	3.61	0.48	1877	7.10	3.41	0.48	1999	6.51	3.13	0.48	2123	6.03	2.89	0.48	2204
26	24	7.97	2.87	0.36	1915	7.52	2.71	0.36	2039	6.91	2.49	0.36	2165	6.39	2.30	0.36	2248
26	26	8.37	2.01	0.24	1952	7.90	1.90	0.24	2079	7.25	1.74	0.24	2208	6.71	1.61	0.24	2292
27	18	6.75	5.13	0.76	1803	6.37	4.84	0.76	1920	5.85	4.44	0.76	2039	5.41	4.11	0.76	2117
27	19	6.89	4.82	0.70	1822	6.50	4.55	0.70	1940	5.97	4.18	0.70	2060	5.52	3.86	0.70	2139
27	20	7.10	4.54	0.64	1840	6.70	4.28	0.64	1960	6.15	3.93	0.64	2082	5.69	3.64	0.64	2161
27	22	7.52	3.91	0.52	1877	7.10	3.69	0.52	1999	6.51	3.39	0.52	2123	6.03	3.13	0.52	2204
27	24	7.97	3.19	0.40	1915	7.52	3.01	0.40	2039	6.91	2.76	0.40	2165	6.39	2.56	0.40	2248
27	26	8.37	2.34	0.28	1952	7.90	2.21	0.28	2079	7.25	2.03	0.28	2208	6.71	1.88	0.28	2292
28	18	6.75	5.40	0.80	1803	6.37	5.10	0.80	1920	5.85	4.68	0.80	2039	5.41	4.33	0.80	2117
28	20	7.10	4.83	0.68	1840	6.70	4.55	0.68	1960	6.15	4.18	0.68	2082	5.69	3.87	0.68	2161
28	22	7.52	4.21	0.56	1877	7.10	3.97	0.56	1999	6.51	3.65	0.56	2123	6.03	3.37	0.56	2204

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-3.0UFE1NH+RAS-3.0UFESNH1

CAPACITY: 6.50 kW SHF: 0.70 INPUT: 1940 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30				35				40				48			
		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	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	5.33	2.35	0.44	642	5.33	2.35	0.44	700	5.33	2.35	0.44	759	5.92	2.61	0.44	797	5.92	2.61	0.44	875	9.01	3.97	0.44	1664	8.62	3.79	0.44	1750	8.29	3.65	0.44	1830	7.97	3.51	0.44	1915	7.52	3.31	0.44	2039	6.91	3.04	0.44	2165	6.39	2.81	0.44	2248
28	26	5.60	1.79	0.32	682	5.60	1.79	0.32	740	5.60	1.79	0.32	799	6.22	1.99	0.32	837	6.22	1.99	0.32	915	9.46	3.03	0.32	1697	9.06	2.90	0.32	1784	8.71	2.79	0.32	1866	8.37	2.68	0.32	1952	7.90	2.53	0.32	2079	7.25	2.32	0.32	2208	6.71	2.15	0.32	2292
29	18	4.52	3.70	0.82	523	4.52	3.70	0.82	581	4.52	3.70	0.82	640	5.02	4.11	0.82	678	5.02	4.11	0.82	756	7.63	6.26	0.82	1567	7.30	5.99	0.82	1648	7.02	5.76	0.82	1724	6.75	5.54	0.82	1803	6.37	5.22	0.82	1920	5.85	4.80	0.82	2039	5.41	4.44	0.82	2117
29	20	4.75	3.42	0.72	563	4.75	3.42	0.72	621	4.75	3.42	0.72	680	5.27	3.80	0.72	718	5.27	3.80	0.72	796	8.02	5.78	0.72	1600	7.68	5.53	0.72	1682	7.38	5.31	0.72	1759	7.10	5.11	0.72	1840	6.70	4.82	0.72	1960	6.15	4.43	0.72	2082	5.69	4.09	0.72	2161
29	22	5.03	3.02	0.60	602	5.03	3.02	0.60	660	5.03	3.02	0.60	719	5.59	3.35	0.60	757	5.59	3.35	0.60	835	8.50	5.10	0.60	1631	8.14	4.88	0.60	1716	7.82	4.69	0.60	1794	7.52	4.51	0.60	1877	7.10	4.26	0.60	1999	6.51	3.91	0.60	2123	6.03	3.62	0.60	2204
29	24	5.33	2.56	0.48	642	5.33	2.56	0.48	700	5.33	2.56	0.48	759	5.92	2.84	0.48	797	5.92	2.84	0.48	875	9.01	4.33	0.48	1664	8.62	4.14	0.48	1750	8.29	3.98	0.48	1830	7.97	3.83	0.48	1915	7.52	3.61	0.48	2039	6.91	3.31	0.48	2165	6.39	3.07	0.48	2248
29	26	5.60	2.02	0.36	682	5.60	2.02	0.36	740	5.60	2.02	0.36	799	6.22	2.24	0.36	837	6.22	2.24	0.36	915	9.46	3.41	0.36	1697	9.06	3.26	0.36	1784	8.71	3.13	0.36	1866	8.37	3.01	0.36	1952	7.90	2.84	0.36	2079	7.25	2.61	0.36	2208	6.71	2.41	0.36	2292
30	18	4.52	3.70	0.82	523	4.52	3.70	0.82	581	4.52	3.70	0.82	640	5.02	4.11	0.82	678	5.02	4.11	0.82	756	7.63	6.26	0.82	1567	7.30	5.99	0.82	1648	7.02	5.76	0.82	1724	6.75	5.54	0.82	1803	6.37	5.22	0.82	1920	5.85	4.80	0.82	2039	5.41	4.44	0.82	2117
30	20	4.75	3.61	0.76	563	4.75	3.61	0.76	621	4.75	3.61	0.76	680	5.27	4.01	0.76	718	5.27	4.01	0.76	796	8.02	6.10	0.76	1600	7.68	5.83	0.76	1682	7.38	5.61	0.76	1759	7.10	5.39	0.76	1840	6.70	5.09	0.76	1960	6.15	4.67	0.76	2082	5.69	4.32	0.76	2161
30	22	5.03	3.22	0.64	602	5.03	3.22	0.64	660	5.03	3.22	0.64	719	5.59	3.58	0.64	757	5.59	3.58	0.64	835	8.50	5.44	0.64	1631	8.14	5.21	0.64	1716	7.82	5.01	0.64	1794	7.52	4.81	0.64	1877	7.10	4.54	0.64	1999	6.51	4.17	0.64	2123	6.03	3.86	0.64	2204
30	24	5.33	2.77	0.52	642	5.33	2.77	0.52	700	5.33	2.77	0.52	759	5.92	3.08	0.52	797	5.92	3.08	0.52	875	9.01	4.69	0.52	1664	8.62	4.48	0.52	1750	8.29	4.31	0.52	1830	7.97	4.15	0.52	1915	7.52	3.91	0.52	2039	6.91	3.59	0.52	2165	6.39	3.32	0.52	2248
30	26	5.60	2.24	0.40	682	5.60	2.24	0.40	740	5.60	2.24	0.40	799	6.22	2.49	0.40	837	6.22	2.49	0.40	915	9.46	3.79	0.40	1697	9.06	3.62	0.40	1784	8.71	3.48	0.40	1866	8.37	3.35	0.40	1952	7.90	3.16	0.40	2079	7.25	2.90	0.40	2208	6.71	2.68	0.40	2292
31	18	4.52	3.70	0.82	523	4.52	3.70	0.82	581	4.52	3.70	0.82	640	5.02	4.11	0.82	678	5.02	4.11	0.82	756	7.63	6.26	0.82	1567	7.30	5.99	0.82	1648	7.02	5.76	0.82	1724	6.75	5.54	0.82	1803	6.37	5.22	0.82	1920	5.85	4.80	0.82	2039	5.41	4.44	0.82	2117
31	20	4.75	3.80	0.80	563	4.75	3.80	0.80	621	4.75	3.80	0.80	680	5.27	4.22	0.80	718	5.27	4.22	0.80	796	8.02	6.42	0.80	1600	7.68	6.14	0.80	1682	7.38	5.90	0.80	1759	7.10	5.68	0.80	1840	6.70	5.36	0.80	1960	6.15	4.92	0.80	2082	5.69	4.55	0.80	2161
31	22	5.03	3.42	0.68	602	5.03	3.42	0.68	660	5.03	3.42	0.68	719	5.59	3.80	0.68	757	5.59	3.80	0.68	835	8.50	5.78	0.68	1631	8.14	5.53	0.68	1716	7.82	5.32	0.68	1794	7.52	5.12	0.68	1877	7.10	4.83	0.68	1999	6.51	4.43	0.68	2123	6.03	4.10	0.68	2204
31	24	5.33	2.99	0.56	642	5.33	2.99	0.56	700	5.33	2.99	0.56	759	5.92	3.32	0.56	797	5.92	3.32	0.56	875	9.01	5.05	0.56	1664	8.62	4.83	0.56	1750	8.29	4.64	0.56	1830	7.97	4.47	0.56	1915	7.52	4.21	0.56	2039	6.91	3.87	0.56	2165	6.39	3.58	0.56	2248
31	26	5.60	2.46	0.44	682	5.60	2.46	0.44	740	5.60	2.46	0.44	799	6.22	2.74	0.44	837	6.22	2.74	0.44	915	9.46	4.16	0.44	1697	9.06	3.98	0.44	1784	8.71	3.83	0.44	1866	8.37	3.68	0.44	1952	7.90	3.48	0.44	2079	7.25	3.19	0.44	2208	6.71	2.95	0.44	2292
32	18	4.52	3.70	0.82	523	4.52	3.70	0.82	581	4.52	3.70	0.82	640	5.02	4.11	0.82	678	5.02	4.11	0.82	756	7.63	6.26	0.82	1567	7.30	5.99	0.82	1648	7.02	5.76	0.82	1724	6.75	5.54	0.82	1803	6.37	5.22	0.82	1920	5.85	4.80	0.82	2039	5.41	4.44	0.82	2117
32	20	4.75	3.89	0.82	563	4.75	3.89	0.82	621	4.75	3.89	0.82	680	5.27	4.32	0.82	718	5.27	4.32	0.82	796	8.02	6.58	0.82	1600	7.68	6.29	0.82	1682	7.38	6.05	0.82	1759	7.10	5.82	0.82	1840	6.70	5.49	0.82	1960	6.15	5.04	0.82	2082	5.69	4.66	0.82	2161
32	22	5.03	3.62	0.72	602	5.03	3.62	0.72	660	5.03	3.62	0.72	719	5.59	4.02	0.72	757	5.59	4.02	0.72	835	8.50	6.12	0.72	1631	8.14	5.86	0.72	1716	7.82	5.63	0.72	1794	7.52	5.42	0.72	1877	7.10	5.11	0.72	1999	6.51	4.69	0.72	2123	6.03	4.34	0.72	2204
32	24	5.33	3.20	0.60	642	5.33	3.20	0.60	700	5.33	3.20	0.60	759	5.92	3.55	0.60	797	5.92	3.55	0.60	875	9.01	5.41	0.60	1664	8.62	5.17	0.60	1750	8.29	4.98	0.60	1830	7.97	4.78	0.60	1915	7.52	4.51	0.60	2039	6.91	4.14	0.60	2165	6.39	3.83	0.60	2248
32	26	5.60	2.69	0.48	682	5.60	2.69	0.48	740	5.60	2.69	0.48	799	6.22	2.99	0.48	837	6.22	2.99	0.48	915	9.46	4.54	0.48	1697	9.06	4.35	0.48	1784	8.71	4.18	0.48	1866	8.37	4.02	0.48	1952	7.90	3.79	0.48	2079	7.25	3.48	0.48	2208	6.71	3.22	0.48	2292

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-3.5UFE1NH+RAS-3.5UFESNH1

CAPACITY: 8.60 kW SHF: 0.70 INPUT: 2950 W

OUTDOOR DB (°C)

INDOOR DB (°C)	INDOOR WB (°C)	-15				-7				0				10			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.98	3.11	0.52	806	5.98	3.11	0.52	895	5.98	3.11	0.52	983	6.64	3.45	0.52	1042
21	20	6.28	2.51	0.40	846	6.28	2.51	0.40	935	6.28	2.51	0.40	1023	6.98	2.79	0.40	1082
22	18	5.98	3.35	0.56	806	5.98	3.35	0.56	895	5.98	3.35	0.56	983	6.64	3.72	0.56	1042
22	20	6.28	2.76	0.44	846	6.28	2.76	0.44	935	6.28	2.76	0.44	1023	6.98	3.07	0.44	1082
22	22	6.66	2.13	0.32	885	6.66	2.13	0.32	974	6.66	2.13	0.32	1062	7.39	2.37	0.32	1121
23	18	5.98	3.59	0.60	806	5.98	3.59	0.60	895	5.98	3.59	0.60	983	6.64	3.98	0.60	1042
23	20	6.28	3.01	0.48	846	6.28	3.01	0.48	935	6.28	3.01	0.48	1023	6.98	3.35	0.48	1082
23	22	6.66	2.40	0.36	885	6.66	2.40	0.36	974	6.66	2.40	0.36	1062	7.39	2.66	0.36	1121
24	18	5.98	3.82	0.64	806	5.98	3.82	0.64	895	5.98	3.82	0.64	983	6.64	4.25	0.64	1042
24	20	6.28	3.27	0.52	846	6.28	3.27	0.52	935	6.28	3.27	0.52	1023	6.98	3.63	0.52	1082
24	22	6.66	2.66	0.40	885	6.66	2.66	0.40	974	6.66	2.66	0.40	1062	7.39	2.96	0.40	1121
24	24	7.06	1.98	0.28	925	7.06	1.98	0.28	1014	7.06	1.98	0.28	1102	7.84	2.19	0.28	1161
25	18	5.98	4.06	0.68	806	5.98	4.06	0.68	895	5.98	4.06	0.68	983	6.64	4.51	0.68	1042
25	20	6.28	3.52	0.56	846	6.28	3.52	0.56	935	6.28	3.52	0.56	1023	6.98	3.91	0.56	1082
25	22	6.66	2.93	0.44	885	6.66	2.93	0.44	974	6.66	2.93	0.44	1062	7.39	3.25	0.44	1121
25	24	7.06	2.26	0.32	925	7.06	2.26	0.32	1014	7.06	2.26	0.32	1102	7.84	2.51	0.32	1161
26	18	5.98	4.30	0.72	806	5.98	4.30	0.72	895	5.98	4.30	0.72	983	6.64	4.78	0.72	1042
26	20	6.28	3.77	0.60	846	6.28	3.77	0.60	935	6.28	3.77	0.60	1023	6.98	4.19	0.60	1082
26	22	6.66	3.20	0.48	885	6.66	3.20	0.48	974	6.66	3.20	0.48	1062	7.39	3.55	0.48	1121
26	24	7.06	2.54	0.36	925	7.06	2.54	0.36	1014	7.06	2.54	0.36	1102	7.84	2.82	0.36	1161
26	26	7.41	1.78	0.24	965	7.41	1.78	0.24	1054	7.41	1.78	0.24	1142	8.23	1.98	0.24	1201
27	18	5.98	4.54	0.76	806	5.98	4.54	0.76	895	5.98	4.54	0.76	983	6.64	5.04	0.76	1042
27	19	6.10	4.27	0.70	826	6.10	4.27	0.70	915	6.10	4.27	0.70	1003	6.77	4.74	0.70	1062
27	20	6.28	4.02	0.64	846	6.28	4.02	0.64	935	6.28	4.02	0.64	1023	6.98	4.46	0.64	1082
27	22	6.66	3.46	0.52	885	6.66	3.46	0.52	974	6.66	3.46	0.52	1062	7.39	3.84	0.52	1121
27	24	7.06	2.82	0.40	925	7.06	2.82	0.40	1014	7.06	2.82	0.40	1102	7.84	3.14	0.40	1161
27	26	7.41	2.07	0.28	965	7.41	2.07	0.28	1054	7.41	2.07	0.28	1142	8.23	2.30	0.28	1201
28	18	5.98	4.78	0.80	806	5.98	4.78	0.80	895	5.98	4.78	0.80	983	6.64	5.31	0.80	1042
28	20	6.28	4.27	0.68	846	6.28	4.27	0.68	935	6.28	4.27	0.68	1023	6.98	4.74	0.68	1082
28	22	6.66	3.73	0.56	885	6.66	3.73	0.56	974	6.66	3.73	0.56	1062	7.39	4.14	0.56	1121

INDOOR DB (°C)	INDOOR WB (°C)	15				21				25				27			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.64	3.45	0.52	1160	10.10	5.25	0.52	2391	9.66	5.02	0.52	2514	9.29	4.83	0.52	2630
21	20	6.98	2.79	0.40	1200	10.61	4.25	0.40	2424	10.16	4.06	0.40	2549	9.77	3.91	0.40	2666
22	18	6.64	3.72	0.56	1160	10.10	5.65	0.56	2391	9.66	5.41	0.56	2514	9.29	5.20	0.56	2630
22	20	6.98	3.07	0.44	1200	10.61	4.67	0.44	2424	10.16	4.47	0.44	2549	9.77	4.30	0.44	2666
22	22	7.39	2.37	0.32	1239	11.25	3.60	0.32	2456	10.77	3.44	0.32	2582	10.35	3.31	0.32	2701
23	18	6.64	3.98	0.60	1160	10.10	6.06	0.60	2391	9.66	5.80	0.60	2514	9.29	5.57	0.60	2630
23	20	6.98	3.35	0.48	1200	10.61	5.09	0.48	2424	10.16	4.87	0.48	2549	9.77	4.69	0.48	2666
23	22	7.39	2.66	0.36	1239	11.25	4.05	0.36	2456	10.77	3.88	0.36	2582	10.35	3.73	0.36	2701
24	18	6.64	4.25	0.64	1160	10.10	6.46	0.64	2391	9.66	6.18	0.64	2514	9.29	5.95	0.64	2630
24	20	6.98	3.63	0.52	1200	10.61	5.52	0.52	2424	10.16	5.28	0.52	2549	9.77	5.08	0.52	2666
24	22	7.39	2.96	0.40	1239	11.25	4.50	0.40	2456	10.77	4.31	0.40	2582	10.35	4.14	0.40	2701
24	24	7.84	2.19	0.28	1279	11.92	3.34	0.28	2488	11.41	3.20	0.28	2617	10.97	3.07	0.28	2737
25	18	6.64	4.51	0.68	1160	10.10	6.87	0.68	2391	9.66	6.57	0.68	2514	9.29	6.32	0.68	2630
25	20	6.98	3.91	0.56	1200	10.61	5.94	0.56	2424	10.16	5.69	0.56	2549	9.77	5.47	0.56	2666
25	22	7.39	3.25	0.44	1239	11.25	4.95	0.44	2456	10.77	4.74	0.44	2582	10.35	4.55	0.44	2701
25	24	7.84	2.51	0.32	1279	11.92	3.82	0.32	2488	11.41	3.65	0.32	2617	10.97	3.51	0.32	2737
26	18	6.64	4.78	0.72	1160	10.10	7.27	0.72	2391	9.66	6.96	0.72	2514	9.29	6.69	0.72	2630
26	20	6.98	4.19	0.60	1200	10.61	6.37	0.60	2424	10.16	6.09	0.60	2549	9.77	5.86	0.60	2666
26	22	7.39	3.55	0.48	1239	11.25	5.40	0.48	2456	10.77	5.17	0.48	2582	10.35	4.97	0.48	2701
26	24	7.84	2.82	0.36	1279	11.92	4.29	0.36	2488	11.41	4.11	0.36	2617	10.97	3.95	0.36	2737
26	26	8.23	1.98	0.24	1319	12.52	3.00	0.24	2521	11.98	2.88	0.24	2651	11.52	2.76	0.24	2773
27	18	6.64	5.04	0.76	1160	10.10	7.67	0.76	2391	9.66	7.34	0.76	2514	9.29	7.06	0.76	2630
27	19	6.77	4.74	0.70	1180	10.30	7.21	0.70	2408	9.86	6.90	0.70	2532	9.48	6.64	0.70	2648
27	20	6.98	4.46	0.64	1200	10.61	6.79	0.64	2424	10.16	6.50	0.64	2549	9.77	6.25	0.64	2666
27	22	7.39	3.84	0.52	1239	11.25	5.85	0.52	2456	10.77	5.60	0.52	2582	10.35	5.38	0.52	2701
27	24	7.84	3.14	0.40	1279	11.92	4.77	0.40	2488	11.41	4.56	0.40	2617	10.97	4.39	0.40	2737
27	26	8.23	2.30	0.28	1319	12.52	3.51	0.28	2521	11.98	3.35	0.28	2651	11.52	3.23	0.28	2773
28	18	6.64	5.31	0.80	1160	10.10	8.08	0.80	2391	9.66	7.73	0.80	2514	9.29	7.43	0.80	2630
28	20	6.98	4.74	0.68	1200	10.61	7.22	0.68	2424	10.16	6.91	0.68	2549	9.77	6.64	0.68	2666
28	22	7.39	4.14	0.56	1239	11.25	6.30	0.56	2456	10.77	6.03	0.56	2582	10.35	5.80	0.56	2701

INDOOR DB (°C)	INDOOR WB (°C)	30				35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8.93	4.65	0.52	2751	8.43	4.38	0.52	2930	7.74	4.02	0.52	3112	7.16	3.72	0.52	3230
21	20	9.39	3.76	0.40	2789	8.86	3.54	0.40	2970	8.13	3.25	0.40	3154	7.52	3.01	0.40	3274
22	18	8.93	5.00	0.56	2751	8.43	4.72	0.56	2930	7.74	4.33	0.56	3112	7.16	4.01	0.56	3230
22	20	9.39	4.13	0.44	2789	8.86	3.90	0.44	2970	8.13	3.58	0.44	3154	7.52	3.31	0.44	3274
22	22	9.95	3.18	0.32	2825	9.39	3.00	0.32	3009	8.62	2.76	0.32	3196	7.97	2.55	0.32	3317
23	18	8.93	5.36	0.60	2751	8.43	5.06	0.60	2930	7.74	4.64	0.60	3112	7.16	4.29	0.60	3230
23	20	9.39	4.51	0.48	2789	8.86	4.25	0.48	2970	8.13	3.90	0.48	3154	7.52	3.61	0.48	3274
23	22	9.95	3.58	0.36	2825	9.39	3.38	0.36	3009	8.62	3.10	0.36	3196	7.97	2.87	0.36	3317
24	18	8.93	5.72	0.64	2751	8.43	5.39	0.64	2930	7.74	4.95	0.64	3112	7.16	4.58	0.64	3230
24	20	9.39	4.88	0.52	2789	8.86	4.61	0.52	2970	8.13	4.23	0.52	3154	7.52	3.91	0.52	3274
24	22	9.95	3.98	0.40	2825	9.39	3.76	0.40	3009	8.62	3.45	0.40	3196	7.97	3.19	0.40	3317
24	24	10.55	2.95	0.28	2863	9.95	2.79	0.28	3049	9.14	2.56	0.28	3238	8.45	2.37	0.28	3361
25	18	8.93	6.07	0.68	2751	8.43	5.73	0.68	2930	7.74	5.26	0.68	3112	7.16	4.87	0.68	3230
25	20	9.39	5.26	0.56	2789	8.86	4.96	0.56	2970	8.13	4.55	0.56	3154	7.52	4.21	0.56	3274
25	22	9.95	4.38	0.44	2825	9.39	4.13	0.44	3009	8.62	3.79	0.44	3196	7.97	3.51	0.44	3317
25	24	10.55	3.38	0.32	2863	9.95	3.18	0.32	3049	9.14	2.92	0.32	3238	8.45	2.70	0.32	3361
26	18	8.93	6.43	0.72	2751	8.43	6.07	0.72	2930	7.74	5.57	0.72	3112	7.16	5.15	0.72	3230
26	20	9.39	5.63	0.60	2789	8.86	5.31	0.60	2970	8.13	4.88	0.60	3154	7.52	4.51	0.60	3274
26	22	9.95	4.78	0.48	2825	9.39	4.51	0.48	3009	8.62	4.14	0.48	3196	7.97	3.83	0.48	3317
26	24	10.55	3.80	0.36	2863	9.95	3.58	0.36	3049	9.14	3.29	0.36	3238	8.45	3.04	0.36	3361
26	26	11.08	2.66	0.24	2901	10.45	2.51	0.24	3089	9.59	2.30	0.24	3281	8.87	2.13	0.24	3405
27	18	8.93	6.79	0.76	2751	8.43	6.41	0.76	2930	7.74	5.88	0.76	3112	7.16	5.44	0.76	3230
27	19	9.12	6.38	0.70	2770	8.60	6.02	0.70	2950	7.89	5.53	0.70	3133	7.30	5.11	0.70	3252
27	20	9.39	6.01	0.64	2789	8.86	5.67	0.64	2970	8.13	5.20	0.64	3154	7.52	4.81	0.64	3274
27	22	9.95	5.18	0.52	2825	9.39	4.88	0.52	3009	8.62	4.48	0.52	3196	7.97	4.15	0.52	3317
27	24	10.55	4.22	0.40	2863	9.95	3.98	0.40	3049	9.14	3.65	0.40	3238	8.45	3.38	0.40	3361
27	26	11.08	3.10	0.28	2901	10.45	2.93	0.28	3089	9.59	2.69	0.28	3281	8.87	2.48	0.28	3405
28	18	8.93	7.15	0.80	2751	8.43	6.74	0.80	2930	7.74	6.19	0.80	3112	7.16	5.73	0.80	3230
28	20	9.39	6.38	0.68	2789	8.86	6.02	0.68	2970	8.13	5.53	0.68	3154	7.52	5.11	0.68	3274
28	22	9.95	5.57	0.56	2825	9.39	5.26	0.56	3009	8.62	4.83	0.56	3196	7.97	4.46	0.56	3317

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-3.5UFE1NH+RAS-3.5UFESNH1

CAPACITY: 8.60 kW SHF: 0.70 INPUT: 2950 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	7.06	3.10	0.44	925	7.06	3.10	0.44	1014	7.06	3.10	0.44	1102	7.84	3.45	0.44	1161	7.84	3.45	0.44	1279	11.92	5.25	0.44	2488	11.41	5.02	0.44	2617	10.97	4.83	0.44	2737	10.55	4.64	0.44	2863
28	26	7.41	2.37	0.32	965	7.41	2.37	0.32	1054	7.41	2.37	0.32	1142	8.23	2.63	0.32	1201	8.23	2.63	0.32	1319	12.52	4.01	0.32	2521	11.98	3.83	0.32	2651	11.52	3.69	0.32	2773	11.08	3.54	0.32	2901
29	18	5.98	4.90	0.82	806	5.98	4.90	0.82	895	5.98	4.90	0.82	983	6.64	5.44	0.82	1042	6.64	5.44	0.82	1160	10.10	8.28	0.82	2391	9.66	7.92	0.82	2514	9.29	7.62	0.82	2630	8.93	7.33	0.82	2751
29	20	6.28	4.52	0.72	846	6.28	4.52	0.72	935	6.28	4.52	0.72	1023	6.98	5.02	0.72	1082	6.98	5.02	0.72	1200	10.61	7.64	0.72	2424	10.16	7.31	0.72	2549	9.77	7.03	0.72	2666	9.39	6.76	0.72	2789
29	22	6.66	3.99	0.60	885	6.66	3.99	0.60	974	6.66	3.99	0.60	1062	7.39	4.44	0.60	1121	7.39	4.44	0.60	1239	11.25	6.75	0.60	2456	10.77	6.46	0.60	2582	10.35	6.21	0.60	2701	9.95	5.97	0.60	2825
29	24	7.06	3.39	0.48	925	7.06	3.39	0.48	1014	7.06	3.39	0.48	1102	7.84	3.76	0.48	1161	7.84	3.76	0.48	1279	11.92	5.72	0.48	2488	11.41	5.48	0.48	2617	10.97	5.27	0.48	2737	10.55	5.06	0.48	2863
29	26	7.41	2.67	0.36	965	7.41	2.67	0.36	1054	7.41	2.67	0.36	1142	8.23	2.96	0.36	1201	8.23	2.96	0.36	1319	12.52	4.51	0.36	2521	11.98	4.31	0.36	2651	11.52	4.15	0.36	2773	11.08	3.99	0.36	2901
30	18	5.98	4.90	0.82	806	5.98	4.90	0.82	895	5.98	4.90	0.82	983	6.64	5.44	0.82	1042	6.64	5.44	0.82	1160	10.10	8.28	0.82	2391	9.66	7.92	0.82	2514	9.29	7.62	0.82	2630	8.93	7.33	0.82	2751
30	20	6.28	4.77	0.76	846	6.28	4.77	0.76	935	6.28	4.77	0.76	1023	6.98	5.30	0.76	1082	6.98	5.30	0.76	1200	10.61	8.07	0.76	2424	10.16	7.72	0.76	2549	9.77	7.42	0.76	2666	9.39	7.14	0.76	2789
30	22	6.66	4.26	0.64	885	6.66	4.26	0.64	974	6.66	4.26	0.64	1062	7.39	4.73	0.64	1121	7.39	4.73	0.64	1239	11.25	7.20	0.64	2456	10.77	6.89	0.64	2582	10.35	6.62	0.64	2701	9.95	6.37	0.64	2825
30	24	7.06	3.67	0.52	925	7.06	3.67	0.52	1014	7.06	3.67	0.52	1102	7.84	4.08	0.52	1161	7.84	4.08	0.52	1279	11.92	6.20	0.52	2488	11.41	5.93	0.52	2617	10.97	5.71	0.52	2737	10.55	5.49	0.52	2863
30	26	7.41	2.96	0.40	965	7.41	2.96	0.40	1054	7.41	2.96	0.40	1142	8.23	3.29	0.40	1201	8.23	3.29	0.40	1319	12.52	5.01	0.40	2521	11.98	4.79	0.40	2651	11.52	4.61	0.40	2773	11.08	4.43	0.40	2901
31	18	5.98	4.90	0.82	806	5.98	4.90	0.82	895	5.98	4.90	0.82	983	6.64	5.44	0.82	1042	6.64	5.44	0.82	1160	10.10	8.28	0.82	2391	9.66	7.92	0.82	2514	9.29	7.62	0.82	2630	8.93	7.33	0.82	2751
31	20	6.28	5.02	0.80	846	6.28	5.02	0.80	935	6.28	5.02	0.80	1023	6.98	5.58	0.80	1082	6.98	5.58	0.80	1200	10.61	8.49	0.80	2424	10.16	8.12	0.80	2549	9.77	7.81	0.80	2666	9.39	7.51	0.80	2789
31	22	6.66	4.53	0.68	885	6.66	4.53	0.68	974	6.66	4.53	0.68	1062	7.39	5.03	0.68	1121	7.39	5.03	0.68	1239	11.25	7.65	0.68	2456	10.77	7.32	0.68	2582	10.35	7.04	0.68	2701	9.95	6.77	0.68	2825
31	24	7.06	3.95	0.56	925	7.06	3.95	0.56	1014	7.06	3.95	0.56	1102	7.84	4.39	0.56	1161	7.84	4.39	0.56	1279	11.92	6.68	0.56	2488	11.41	6.39	0.56	2617	10.97	6.14	0.56	2737	10.55	5.91	0.56	2863
31	26	7.41	3.26	0.44	965	7.41	3.26	0.44	1054	7.41	3.26	0.44	1142	8.23	3.62	0.44	1201	8.23	3.62	0.44	1319	12.52	5.51	0.44	2521	11.98	5.27	0.44	2651	11.52	5.07	0.44	2773	11.08	4.87	0.44	2901
32	18	5.98	4.90	0.82	806	5.98	4.90	0.82	895	5.98	4.90	0.82	983	6.64	5.44	0.82	1042	6.64	5.44	0.82	1160	10.10	8.28	0.82	2391	9.66	7.92	0.82	2514	9.29	7.62	0.82	2630	8.93	7.33	0.82	2751
32	20	6.28	5.15	0.82	846	6.28	5.15	0.82	935	6.28	5.15	0.82	1023	6.98	5.72	0.82	1082	6.98	5.72	0.82	1200	10.61	8.70	0.82	2424	10.16	8.33	0.82	2549	9.77	8.01	0.82	2666	9.39	7.70	0.82	2789
32	22	6.66	4.79	0.72	885	6.66	4.79	0.72	974	6.66	4.79	0.72	1062	7.39	5.32	0.72	1121	7.39	5.32	0.72	1239	11.25	8.10	0.72	2456	10.77	7.75	0.72	2582	10.35	7.45	0.72	2701	9.95	7.17	0.72	2825
32	24	7.06	4.23	0.60	925	7.06	4.23	0.60	1014	7.06	4.23	0.60	1102	7.84	4.70	0.60	1161	7.84	4.70	0.60	1279	11.92	7.15	0.60	2488	11.41	6.85	0.60	2617	10.97	6.58	0.60	2737	10.55	6.33	0.60	2863
32	26	7.41	3.56	0.48	965	7.41	3.56	0.48	1054	7.41	3.56	0.48	1142	8.23	3.95	0.48	1201	8.23	3.95	0.48	1319	12.52	6.01	0.48	2521	11.98	5.75	0.48	2651	11.52	5.53	0.48	2773	11.08	5.32	0.48	2901

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		30				35				40				48																					
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																		
28	24	10.55	4.64	0.44	2863	9.95	4.38	0.44	3049	9.14	4.02	0.44	3238	8.45	3.72	0.44	3361																		
28	26	11.08	3.54	0.32	2901	10.45	3.34	0.32	3089	9.59	3.07	0.32	3281	8.87	2.84	0.32	3405																		
29	18	8.93	7.33	0.82	2751	8.43	6.91	0.82	2930	7.74	6.34	0.82	3112	7.16	5.87	0.82	3230																		
29	20	9.39	6.76	0.72	2789	8.86	6.38	0.72	2970	8.13	5.85	0.72	3154	7.52	5.42	0.72	3274																		
29	22	9.95	5.97	0.60	2825	9.39	5.63	0.60	3009	8.62	5.17	0.60	3196	7.97	4.78	0.60	3317																		
29	24	10.55	5.06	0.48	2863	9.95	4.78	0.48	3049	9.14	4.39	0.48	3238	8.45	4.06	0.48	3361																		
29	26	11.08	3.99	0.36	2901	10.45	3.76	0.36	3089	9.59	3.45	0.36	3281	8.87	3.19	0.36	3405																		
30	18	8.93	7.33	0.82	2751	8.43	6.91	0.82	2930	7.74	6.34	0.82	3112	7.16	5.87	0.82	3230																		
30	20	9.39	7.14	0.76	2789	8.86	6.73	0.76	2970	8.13	6.18	0.76	3154	7.52	5.72	0.76	3274																		
30	22	9.95	6.37	0.64	2825	9.39	6.01	0.64	3009	8.62	5.52	0.64	3196	7.97	5.10	0.64	3317																		
30	24	10.55	5.49	0.52	2863	9.95	5.18	0.52	3049	9.14	4.75	0.52	3238	8.45	4.39	0.52	3361																		
30	26	11.08	4.43	0.40	2901	10.45	4.18	0.40	3089	9.59	3.84	0.40	3281	8.87	3.55	0.40	3405																		
31	18	8.93	7.33	0.82	2751	8.43	6.91	0.82	2930	7.74	6.34	0.82	3112	7.16	5.87	0.82	3230																		
31	20	9.39	7.51	0.80	2789	8.86	7.09	0.80	2970	8.13	6.51	0.80	3154	7.52	6.02	0.80	3274																		
31	22	9.95	6.77	0.68	2825	9.39	6.38	0.68	3009	8.62	5.86	0.68	3196	7.97	5.42	0.68	3317																		
31	24	10.55	5.91	0.56	2863	9.95	5.57	0.56	3049	9.14	5.12	0.56	3238	8.45	4.73	0.56	3361																		
31	26	11.08	4.87	0.44	2901	10.45	4.60	0.44	3089	9.59	4.22	0.44	3281	8.87	3.90	0.44	3405																		
32	18	8.93	7.33	0.82	2751	8.43	6.91	0.82	2930	7.74	6.34	0.82	3112	7.16	5.87	0.82	3230																		
32	20	9.39	7.70	0.82	2789	8.86	7.26	0.82	2970	8.13	6.67	0.82	3154	7.52	6.17	0.82	3274																		
32	22	9.95	7.17	0.72	2825	9.39	6.76	0.72	3009	8.62	6.21	0.72	3196	7.97	5.74	0.72	3317																		
32	24	10.55	6.33	0.60	2863	9.95	5.97	0.60	3049	9.14	5.48	0.60	3238	8.45	5.07	0.60	3361																		
32	26	11.08	5.32	0.48	2901	10.45	5.02	0.48	3089	9.59	4.60	0.48	3281	8.87	4.26	0.48	3405																		

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-4.0UFE1NH+RAS-4.0UFESNH1

CAPACITY: 9.80 kW SHF: 0.70 INPUT: 3750 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	6.81	3.54	0.52	1030	6.81	3.54	0.52	1143	6.81	3.54	0.52	1255	7.56	3.93	0.52	1330	7.56	3.93	0.52	1480	11.51	5.98	0.52	3044	11.01	5.73	0.52	3201	10.59	5.51	0.52	3348	10.18	5.29	0.52	3502
21	20	7.16	2.86	0.40	1070	7.16	2.86	0.40	1183	7.16	2.86	0.40	1295	7.95	3.18	0.40	1370	7.95	3.18	0.40	1520	12.09	4.84	0.40	3077	11.57	4.63	0.40	3235	11.13	4.45	0.40	3384	10.70	4.28	0.40	3540
22	18	6.81	3.81	0.56	1030	6.81	3.81	0.56	1143	6.81	3.81	0.56	1255	7.56	4.24	0.56	1330	7.56	4.24	0.56	1480	11.51	6.44	0.56	3044	11.01	6.17	0.56	3201	10.59	5.93	0.56	3348	10.18	5.70	0.56	3502
22	20	7.16	3.15	0.44	1070	7.16	3.15	0.44	1183	7.16	3.15	0.44	1295	7.95	3.50	0.44	1370	7.95	3.50	0.44	1520	12.09	5.32	0.44	3077	11.57	5.09	0.44	3235	11.13	4.90	0.44	3384	10.70	4.71	0.44	3540
22	22	7.59	2.43	0.32	1109	7.59	2.43	0.32	1222	7.59	2.43	0.32	1334	8.43	2.70	0.32	1409	8.43	2.70	0.32	1559	12.82	4.10	0.32	3109	12.27	3.93	0.32	3269	11.80	3.77	0.32	3419	11.34	3.63	0.32	3577
23	18	6.81	4.09	0.60	1030	6.81	4.09	0.60	1143	6.81	4.09	0.60	1255	7.56	4.54	0.60	1330	7.56	4.54	0.60	1480	11.51	6.90	0.60	3044	11.01	6.61	0.60	3201	10.59	6.35	0.60	3348	10.18	6.11	0.60	3502
23	20	7.16	3.44	0.48	1070	7.16	3.44	0.48	1183	7.16	3.44	0.48	1295	7.95	3.82	0.48	1370	7.95	3.82	0.48	1520	12.09	5.80	0.48	3077	11.57	5.55	0.48	3235	11.13	5.34	0.48	3384	10.70	5.14	0.48	3540
23	22	7.59	2.73	0.36	1109	7.59	2.73	0.36	1222	7.59	2.73	0.36	1334	8.43	3.03	0.36	1409	8.43	3.03	0.36	1559	12.82	4.61	0.36	3109	12.27	4.42	0.36	3269	11.80	4.25	0.36	3419	11.34	4.08	0.36	3577
24	18	6.81	4.36	0.64	1030	6.81	4.36	0.64	1143	6.81	4.36	0.64	1255	7.56	4.84	0.64	1330	7.56	4.84	0.64	1480	11.51	7.36	0.64	3044	11.01	7.05	0.64	3201	10.59	6.78	0.64	3348	10.18	6.52	0.64	3502
24	20	7.16	3.72	0.52	1070	7.16	3.72	0.52	1183	7.16	3.72	0.52	1295	7.95	4.13	0.52	1370	7.95	4.13	0.52	1520	12.09	6.29	0.52	3077	11.57	6.02	0.52	3235	11.13	5.79	0.52	3384	10.70	5.56	0.52	3540
24	22	7.59	3.03	0.40	1109	7.59	3.03	0.40	1222	7.59	3.03	0.40	1334	8.43	3.37	0.40	1409	8.43	3.37	0.40	1559	12.82	5.13	0.40	3109	12.27	4.91	0.40	3269	11.80	4.72	0.40	3419	11.34	4.54	0.40	3577
24	24	8.04	2.25	0.28	1149	8.04	2.25	0.28	1262	8.04	2.25	0.28	1374	8.93	2.50	0.28	1449	8.93	2.50	0.28	1599	13.59	3.80	0.28	3141	13.00	3.64	0.28	3303	12.50	3.50	0.28	3455	12.02	3.37	0.28	3614
25	18	6.81	4.63	0.68	1030	6.81	4.63	0.68	1143	6.81	4.63	0.68	1255	7.56	5.14	0.68	1330	7.56	5.14	0.68	1480	11.51	7.82	0.68	3044	11.01	7.49	0.68	3201	10.59	7.20	0.68	3348	10.18	6.92	0.68	3502
25	20	7.16	4.01	0.56	1070	7.16	4.01	0.56	1183	7.16	4.01	0.56	1295	7.95	4.45	0.56	1370	7.95	4.45	0.56	1520	12.09	6.77	0.56	3077	11.57	6.48	0.56	3235	11.13	6.23	0.56	3384	10.70	5.99	0.56	3540
25	22	7.59	3.34	0.44	1109	7.59	3.34	0.44	1222	7.59	3.34	0.44	1334	8.43	3.71	0.44	1409	8.43	3.71	0.44	1559	12.82	5.64	0.44	3109	12.27	5.40	0.44	3269	11.80	5.19	0.44	3419	11.34	4.99	0.44	3577
25	24	8.04	2.57	0.32	1149	8.04	2.57	0.32	1262	8.04	2.57	0.32	1374	8.93	2.86	0.32	1449	8.93	2.86	0.32	1599	13.59	4.35	0.32	3141	13.00	4.16	0.32	3303	12.50	4.00	0.32	3455	12.02	3.85	0.32	3614
26	18	6.81	4.90	0.72	1030	6.81	4.90	0.72	1143	6.81	4.90	0.72	1255	7.56	5.45	0.72	1330	7.56	5.45	0.72	1480	11.51	8.28	0.72	3044	11.01	7.93	0.72	3201	10.59	7.62	0.72	3348	10.18	7.33	0.72	3502
26	20	7.16	4.29	0.60	1070	7.16	4.29	0.60	1183	7.16	4.29	0.60	1295	7.95	4.77	0.60	1370	7.95	4.77	0.60	1520	12.09	7.26	0.60	3077	11.57	6.94	0.60	3235	11.13	6.68	0.60	3384	10.70	6.42	0.60	3540
26	22	7.59	3.64	0.48	1109	7.59	3.64	0.48	1222	7.59	3.64	0.48	1334	8.43	4.04	0.48	1409	8.43	4.04	0.48	1559	12.82	6.15	0.48	3109	12.27	5.89	0.48	3269	11.80	5.66	0.48	3419	11.34	5.44	0.48	3577
26	24	8.04	2.89	0.36	1149	8.04	2.89	0.36	1262	8.04	2.89	0.36	1374	8.93	3.22	0.36	1449	8.93	3.22	0.36	1599	13.59	4.89	0.36	3141	13.00	4.68	0.36	3303	12.50	4.50	0.36	3455	12.02	4.33	0.36	3614
26	26	8.44	2.03	0.24	1189	8.44	2.03	0.24	1302	8.44	2.03	0.24	1414	9.38	2.25	0.24	1489	9.38	2.25	0.24	1639	14.27	3.42	0.24	3174	13.65	3.28	0.24	3337	13.13	3.15	0.24	3491	12.62	3.03	0.24	3652
27	18	6.81	5.18	0.76	1030	6.81	5.18	0.76	1143	6.81	5.18	0.76	1255	7.56	5.75	0.76	1330	7.56	5.75	0.76	1480	11.51	8.74	0.76	3044	11.01	8.37	0.76	3201	10.59	8.05	0.76	3348	10.18	7.74	0.76	3502
27	19	6.95	4.86	0.70	1050	6.95	4.86	0.70	1163	6.95	4.86	0.70	1275	7.72	5.40	0.70	1350	7.72	5.40	0.70	1500	11.74	8.22	0.70	3061	11.24	7.86	0.70	3218	10.80	7.56	0.70	3366	10.39	7.27	0.70	3521
27	20	7.16	4.58	0.64	1070	7.16	4.58	0.64	1183	7.16	4.58	0.64	1295	7.95	5.09	0.64	1370	7.95	5.09	0.64	1520	12.09	7.74	0.64	3077	11.57	7.41	0.64	3235	11.13	7.12	0.64	3384	10.70	6.85	0.64	3540
27	22	7.59	3.94	0.52	1109	7.59	3.94	0.52	1222	7.59	3.94	0.52	1334	8.43	4.38	0.52	1409	8.43	4.38	0.52	1559	12.82	6.67	0.52	3109	12.27	6.38	0.52	3269	11.80	6.13	0.52	3419	11.34	5.90	0.52	3577
27	24	8.04	3.22	0.40	1149	8.04	3.22	0.40	1262	8.04	3.22	0.40	1374	8.93	3.57	0.40	1449	8.93	3.57	0.40	1599	13.59	5.44	0.40	3141	13.00	5.20	0.40	3303	12.50	5.00	0.40	3455	12.02	4.81	0.40	3614
27	26	8.44	2.36	0.28	1189	8.44	2.36	0.28	1302	8.44	2.36	0.28	1414	9.38	2.63	0.28	1489	9.38	2.63	0.28	1639	14.27	3.99	0.28	3174	13.65	3.82	0.28	3337	13.13	3.68	0.28	3491	12.62	3.53	0.28	3652
28	18	6.81	5.45	0.80	1030	6.81	5.45	0.80	1143	6.81	5.45	0.80	1255	7.56	6.05	0.80	1330	7.56	6.05	0.80	1480	11.51	9.21	0.80	3044	11.01	8.81	0.80	3201	10.59	8.47	0.80	3348	10.18	8.14	0.80	3502
28	20	7.16	4.87	0.68	1070	7.16	4.87	0.68	1183	7.16	4.87	0.68	1295	7.95	5.41	0.68	1370	7.95	5.41	0.68	1520	12.09	8.22	0.68	3077	11.57	7.87	0.68	3235	11.13	7.57	0.68	3384	10.70	7.28	0.68	3540
28	22	7.59	4.25	0.56	1109	7.59	4.25	0.56	1222	7.59	4.25	0.56	1334	8.43	4.72	0.56	1409	8.43	4.72	0.56	1559	12.82	7.18	0.56	3109	12.27	6.87	0.56	3269	11.80	6.61	0.56	3419	11.34	6.35	0.56	3577

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		30				35				40				48																					
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																		
21	18	10.18	5.29	0.52	3502	9.60	4.99	0.52	3730	8.82	4.58	0.52	3961	8.16	4.24	0.52	4112																		
21	20	10.70	4.28	0.40	3540	10.09	4.04	0.40	3770	9.27	3.71	0.40	4004	8.57	3.43	0.40	4156																		
22	18	10.18	5.70	0.56	3502	9.60	5.38	0.56	3730	8.82	4.94	0.56	3961	8.16	4.57	0.56	4112																		
22	20	10.70	4.71	0.44	3540	10.09	4.44	0.44	3770	9.27	4.08	0.44	4004	8.57	3.77	0.44	4156																		
22	22	11.34	3.63	0.32	3577	10.70	3.42	0.32	3809	9.82	3.14	0.32	4045	9.09	2.91	0.32	4199																		
23	18	10.18	6.11	0.60	3502	9.60	5.76	0.60	3730	8.82	5.29	0.60	3961	8.16	4.89	0.60	4112																		
23	20	10.70	5.14	0.48	3540	10.09	4.85	0.48	3770	9.27	4.45	0.48	4004	8.57	4.11	0.48	4156																		
23	22	11.34	4.08	0.36	3577	10.70	3.85	0.36	3809	9.82	3.54	0.36	4045	9.09	3.27	0.36	4199																		
24	18	10.18	6.52	0.64	3502	9.60	6.15	0.64	3730	8.82	5.64	0.64	3961	8.16	5.22	0.64	4112																		
24	20	10.70	5.56	0.52	3540	10.09	5.25	0.52	3770	9.27	4.82	0.52	4004	8.57	4.46	0.52	4156																		
24	22	11.34	4.54	0.40	3577	10.70	4.28	0.40	3809	9.82	3.93	0.40	4045	9.09	3.63	0.40	4199																		
24	24	12.02	3.37	0.28	3614	11.34	3.18	0.28	3849	10.41	2.92	0.28	4088	9.63	2.70	0.28	4243																		
25	18	10.18	6.92	0.68	3502	9.60	6.53	0.68	3730	8.82	6.00	0.68	3961	8.16	5.55	0.68	4112																		
25	20	10.70	5.99	0.56	3540	10.09	5.65	0.56	3770	9.27	5.19	0.56	4004	8.57	4.80	0.56	4156																		
25	22	11.34	4.99	0.44	3577	10.70	4.71	0.44	3809	9.82	4.32	0.44	4045	9.09	4.00	0.44	4199																		
25	24	12.02	3.85	0.32	3614	11.34	3.63	0.32	3849	10.41	3.33	0.32	4088	9.63	3.08	0.32	4243																		
26	18	10.18	7.33	0.72	3502	9.60	6.91	0.72	3730	8.82	6.35	0.72	3961	8.16	5.87	0.72	4112																		
26	20	10.70	6.42	0.60	3540	10.09	6.06	0.60	3770	9.27	5.56	0.60	4004	8.57	5.14	0.60	4156																		
26	22	11.34	5.44	0.48	3577	10.70	5.14	0.48	3809	9.82	4.71	0.48	4045	9.09	4.36	0.48	4199																		
26	24	12.02	4.33	0.36	3614	11.34	4.08	0.36	3849	10.41	3.75	0.36	4088	9.63	3.47	0.36	4243																		
26	26	11.91	2.86	0.24	3889	10.93	2.62	0.24	4130	10.11	2.43	0.24	4287																						
27	18	10.18	7.74	0.76	3502	9.60	7.30	0.76	3730	8.82	6.70	0.76	3961	8.16	6.20	0.76	4112																		
27	19	10.39	7.27	0.70	3521	9.80	6.86	0.70	3750	9.00	6.30	0.70	3983	8.32	5.83	0.70	4134																		
27	20	10.70	6.85	0.64	3540	10.09	6.46	0.64	3770	9.27	5.93	0.64	4004	8.57	5.49	0.64	4156																		
27	22	11.34	5.90	0.52	3577	10.70	5.56	0.52	3809	9.82	5.11	0.52	4045	9.09	4.72	0.52	4199																		
27	24	12.02	4.81	0.40	3614	11.34	4.54	0.40	3849	10.41	4.16	0.40	4088	9.63	3.85	0.40	4243																		
27	26	12.62	3.53	0.28	3652	11.91	3.33	0.28	3889	10.93	3.06	0.28	4130	10.11	2.83	0.28	4287																		
28	18	10.18	8.14	0.80	3502	9.60	7.68	0.80	3730	8.82	7.05	0.80	3961	8.16	6.52	0.80	4112																		
28	20	10.70	7.28	0.68	3540	10.09	6.86	0.68	3770	9.27	6.30	0.68	4004	8.57	5.83	0.68	4156																		
28	22	11.34	6.35	0.56	3577	10.70	5.99	0.56	3809	9.82	5.50	0.56	4045	9.09	5.09	0.56	4199																		

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-4.0UFE1NH+RAS-4.0UFESNH1

CAPACITY: 9.80 kW SHF: 0.70 INPUT: 3750 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	8.04	3.54	0.44	1149	8.04	3.54	0.44	1262	8.04	3.54	0.44	1374	8.93	3.93	0.44	1449	8.93	3.93	0.44	1599	13.59	5.98	0.44	3141	13.00	5.72	0.44	3303	12.50	5.50	0.44	3455	12.02	5.29	0.44	3614
28	26	8.44	2.70	0.32	1189	8.44	2.70	0.32	1302	8.44	2.70	0.32	1414	9.38	3.00	0.32	1489	9.38	3.00	0.32	1639	14.27	4.57	0.32	3174	13.65	4.37	0.32	3337	13.13	4.20	0.32	3491	12.62	4.04	0.32	3652
29	18	6.81	5.58	0.82	1030	6.81	5.58	0.82	1143	6.81	5.58	0.82	1255	7.56	6.20	0.82	1330	7.56	6.20	0.82	1480	11.51	9.44	0.82	3044	11.01	9.03	0.82	3201	10.59	8.68	0.82	3348	10.18	8.35	0.82	3502
29	20	7.16	5.15	0.72	1070	7.16	5.15	0.72	1183	7.16	5.15	0.72	1295	7.95	5.72	0.72	1370	7.95	5.72	0.72	1520	12.09	8.71	0.72	3077	11.57	8.33	0.72	3235	11.13	8.01	0.72	3384	10.70	7.70	0.72	3540
29	22	7.59	4.55	0.60	1109	7.59	4.55	0.60	1222	7.59	4.55	0.60	1334	8.43	5.06	0.60	1409	8.43	5.06	0.60	1559	12.82	7.69	0.60	3109	12.27	7.36	0.60	3269	11.80	7.08	0.60	3419	11.34	6.80	0.60	3577
29	24	8.04	3.86	0.48	1149	8.04	3.86	0.48	1262	8.04	3.86	0.48	1374	8.93	4.29	0.48	1449	8.93	4.29	0.48	1599	13.59	6.52	0.48	3141	13.00	6.24	0.48	3303	12.50	6.00	0.48	3455	12.02	5.77	0.48	3614
29	26	8.44	3.04	0.36	1189	8.44	3.04	0.36	1302	8.44	3.04	0.36	1414	9.38	3.38	0.36	1489	9.38	3.38	0.36	1639	14.27	5.14	0.36	3174	13.65	4.92	0.36	3337	13.13	4.73	0.36	3491	12.62	4.54	0.36	3652
30	18	6.81	5.58	0.82	1030	6.81	5.58	0.82	1143	6.81	5.58	0.82	1255	7.56	6.20	0.82	1330	7.56	6.20	0.82	1480	11.51	9.44	0.82	3044	11.01	9.03	0.82	3201	10.59	8.68	0.82	3348	10.18	8.35	0.82	3502
30	20	7.16	5.44	0.76	1070	7.16	5.44	0.76	1183	7.16	5.44	0.76	1295	7.95	6.04	0.76	1370	7.95	6.04	0.76	1520	12.09	9.19	0.76	3077	11.57	8.80	0.76	3235	11.13	8.46	0.76	3384	10.70	8.13	0.76	3540
30	22	7.59	4.86	0.64	1109	7.59	4.86	0.64	1222	7.59	4.86	0.64	1334	8.43	5.39	0.64	1409	8.43	5.39	0.64	1559	12.82	8.20	0.64	3109	12.27	7.85	0.64	3269	11.80	7.55	0.64	3419	11.34	7.26	0.64	3577
30	24	8.04	4.18	0.52	1149	8.04	4.18	0.52	1262	8.04	4.18	0.52	1374	8.93	4.64	0.52	1449	8.93	4.64	0.52	1599	13.59	7.07	0.52	3141	13.00	6.76	0.52	3303	12.50	6.50	0.52	3455	12.02	6.25	0.52	3614
30	26	8.44	3.38	0.40	1189	8.44	3.38	0.40	1302	8.44	3.38	0.40	1414	9.38	3.75	0.40	1489	9.38	3.75	0.40	1639	14.27	5.71	0.40	3174	13.65	5.46	0.40	3337	13.13	5.25	0.40	3491	12.62	5.05	0.40	3652
31	18	6.81	5.58	0.82	1030	6.81	5.58	0.82	1143	6.81	5.58	0.82	1255	7.56	6.20	0.82	1330	7.56	6.20	0.82	1480	11.51	9.44	0.82	3044	11.01	9.03	0.82	3201	10.59	8.68	0.82	3348	10.18	8.35	0.82	3502
31	20	7.16	5.73	0.80	1070	7.16	5.73	0.80	1183	7.16	5.73	0.80	1295	7.95	6.36	0.80	1370	7.95	6.36	0.80	1520	12.09	9.67	0.80	3077	11.57	9.26	0.80	3235	11.13	8.90	0.80	3384	10.70	8.56	0.80	3540
31	22	7.59	5.16	0.68	1109	7.59	5.16	0.68	1222	7.59	5.16	0.68	1334	8.43	5.73	0.68	1409	8.43	5.73	0.68	1559	12.82	8.72	0.68	3109	12.27	8.34	0.68	3269	11.80	8.02	0.68	3419	11.34	7.71	0.68	3577
31	24	8.04	4.50	0.56	1149	8.04	4.50	0.56	1262	8.04	4.50	0.56	1374	8.93	5.00	0.56	1449	8.93	5.00	0.56	1599	13.59	7.61	0.56	3141	13.00	7.28	0.56	3303	12.50	7.00	0.56	3455	12.02	6.73	0.56	3614
31	26	8.44	3.72	0.44	1189	8.44	3.72	0.44	1302	8.44	3.72	0.44	1414	9.38	4.13	0.44	1489	9.38	4.13	0.44	1639	14.27	6.28	0.44	3174	13.65	6.01	0.44	3337	13.13	5.78	0.44	3491	12.62	5.55	0.44	3652
32	18	6.81	5.58	0.82	1030	6.81	5.58	0.82	1143	6.81	5.58	0.82	1255	7.56	6.20	0.82	1330	7.56	6.20	0.82	1480	11.51	9.44	0.82	3044	11.01	9.03	0.82	3201	10.59	8.68	0.82	3348	10.18	8.35	0.82	3502
32	20	7.16	5.87	0.82	1070	7.16	5.87	0.82	1183	7.16	5.87	0.82	1295	7.95	6.52	0.82	1370	7.95	6.52	0.82	1520	12.09	9.92	0.82	3077	11.57	9.49	0.82	3235	11.13	9.12	0.82	3384	10.70	8.77	0.82	3540
32	22	7.59	5.46	0.72	1109	7.59	5.46	0.72	1222	7.59	5.46	0.72	1334	8.43	6.07	0.72	1409	8.43	6.07	0.72	1559	12.82	9.23	0.72	3109	12.27	8.83	0.72	3269	11.80	8.49	0.72	3419	11.34	8.17	0.72	3577
32	24	8.04	4.82	0.60	1149	8.04	4.82	0.60	1262	8.04	4.82	0.60	1374	8.93	5.36	0.60	1449	8.93	5.36	0.60	1599	13.59	8.15	0.60	3141	13.00	7.80	0.60	3303	12.50	7.50	0.60	3455	12.02	7.21	0.60	3614
32	26	8.44	4.05	0.48	1189	8.44	4.05	0.48	1302	8.44	4.05	0.48	1414	9.38	4.50	0.48	1489	9.38	4.50	0.48	1639	14.27	6.85	0.48	3174	13.65	6.55	0.48	3337	13.13	6.30	0.48	3491	12.62	6.06	0.48	3652

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	8.04	3.54	0.44	1149	8.04	3.54	0.44	1262	8.04	3.54	0.44	1374	8.93	3.93	0.44	1449	8.93	3.93	0.44	1599	13.59	5.98	0.44	3141	13.00	5.72	0.44	3303	12.50	5.50	0.44	3455	12.02	5.29	0.44	3614
28	26	8.44	2.70	0.32	1189	8.44	2.70	0.32	1302	8.44	2.70	0.32	1414	9.38	3.00	0.32	1489	9.38	3.00	0.32	1639	14.27	4.57	0.32	3174	13.65	4.37	0.32	3337	13.13	4.20	0.32	3491	12.62	4.04	0.32	3652
29	18	6.81	5.58	0.82	1030	6.81	5.58	0.82	1143	6.81	5.58	0.82	1255	7.56	6.20	0.82	1330	7.56	6.20	0.82	1480	11.51	9.44	0.82	3044	11.01	9.03	0.82	3201	10.59	8.68	0.82	3348	10.18	8.35	0.82	3502
29	20	7.16	5.15	0.72	1070	7.16	5.15	0.72	1183	7.16	5.15	0.72	1295	7.95	5.72	0.72	1370	7.95	5.72	0.72	1520	12.09	8.71	0.72	3077	11.57	8.33	0.72	3235	11.13	8.01	0.72	3384	10.70	7.70	0.72	3540
29	22	7.59	4.55	0.60	1109	7.59	4.55	0.60	1222	7.59	4.55	0.60	1334	8.43	5.06	0.60	1409	8.43	5.06	0.60	1559	12.82	7.69	0.60	3109	12.27	7.36	0.60	3269	11.80	7.08	0.60	3419	11.34	6.80	0.60	3577
29	24	8.04	3.86	0.48	1149	8.04	3.86	0.48	1262	8.04	3.86	0.48	1374	8.93	4.29	0.48	1449	8.93	4.29	0.48	1599	13.59	6.52	0.48	3141	13.00	6.24	0.48	3303	12.50	6.00	0.48	3455	12.02	5.77	0.48	3614
29	26	8.44	3.04	0.36	1189	8.44	3.04	0.36	1302	8.44	3.04	0.36	1414	9.38	3.38	0.36	1489	9.38	3.38	0.36	1639	14.27	5.14	0.36	3174	13.65	4.92	0.36	3337	13.13	4.73	0.36	3491	12.62	4.54	0.36	3652
30	18	6.81	5.58	0.82	1030	6.81	5.58	0.82	1143	6.81	5.58	0.82	1255	7.56	6.20	0.82	1330	7.56	6.20	0.82	1480	11.51	9.44	0.82	3044	11.01	9.03	0.82	3201	10.59	8.68	0.82	3348	10.18	8.35	0.82	3502
30	20	7.16	5.44	0.76	1070	7.16	5.44	0.76	1183	7.16	5.44	0.76	1295	7.95	6.04	0.76	1370	7.95	6.04	0.76	1520	12.09	9.19	0.76	3077	11.57	8.80	0.76	3235	11.13	8.46	0.76	3384	10.70	8.13	0.76	3540
30	22	7.59	4.86	0.64	1109	7.59	4.86	0.64	1222	7.59	4.86	0.64	1334	8.43	5.39	0.64	1409	8.43	5.39	0.64	1559	12.82	8.20	0.64	3109	12.27	7.85	0.64	3269	11.80	7.55	0.64	3419	11.34	7.26	0.64	3577
30	24	8.04	4.18	0.52	1149	8.04	4.18	0.52	1262	8.04	4.18	0.52	1374	8.93	4.64	0.52	1449	8.93	4.64	0.52	1599	13.59	7.07	0.52	3141	13.00	6.76	0.52	3303	12.50	6.50	0.52	3455	12.02	6.25	0.52	3614
30	26	8.44	3.38	0.40	1189	8.44	3.38	0.40	1302	8.44	3.38	0.40	1414	9.38	3.75	0.40	1489	9.38	3.75	0.40	1639	14.27	5.71	0.40	3174	13.65	5.46	0.40	3337	13.13	5.25	0.40	3491	12.62	5.05	0.40	3652
31	18	6.81	5.58	0.82	1030	6.81	5.58	0.82	1143	6.81	5.58	0.82	1255	7.56	6.20	0.82	1330	7.56	6.20	0.82	1480	11.51	9.44	0.82	3044	11.01	9.03	0.82	3201	10.59	8.68	0.82	3348	10.18	8.35	0.82	3502
31	20	7.16	5.73	0.80	1070	7.16	5.73	0.80	1183	7.16	5.73	0.80	1295	7.95	6.36	0.80	1370	7.95	6.36	0.80	1520	12.09	9.67	0.80	3077	11.57	9.26	0.80	3235	11.13	8.90	0.80	3384	10.70	8.56	0.80	3540
31	22	7.59	5.16	0.68	1109	7.59	5.16	0.68	1222	7.59	5.16	0.68	1334	8.43	5.73	0.68	1409	8.43	5.73	0.68	1559	12.82	8.72	0.68	3109	12.27	8.34	0.68	3269	11.80	8.02	0.68	3419	11.34	7.71	0.68	3577
31	24	8.04	4.50	0.56	1149	8.04	4.50	0.56	1262	8.04	4.50	0.56	1374	8.93	5.00	0.56	1449	8.93	5.00	0.56	1599	13.59	7.61	0.56	3141	13.00	7.28	0.56	3303	12.50	7.00	0.56	3455	12.02	6.73	0.56	3614
31	26	8.44	3.72	0.44	1189	8.44	3.72	0.44	1302	8.44	3.72	0.44	1414	9.38	4.13	0.44	1489	9.38	4.13	0.44	1639	14.27	6.28	0.44	3174	13.65	6.01	0.44	3337	13.13	5.78	0.44	3491	12.62	5.55	0.44	3652
32	18	6.81	5.58	0.82	1030	6.81	5.58	0.82	1143	6.81	5.58	0.82	1255	7.56	6.20	0.82	1330	7.56	6.20	0.82	1480	11.51	9.44	0.82	3044	11.01	9.03	0.82	3201	10.59	8.68	0.82	3348	10.18	8.35	0.82	3502
32	20	7.16	5.87	0.82	1070	7.16	5.87	0.82	1183	7.16	5.87	0.82	1295	7.95	6.52	0.82	1370	7.95	6.52	0.82	1520	12.09	9.92	0.82	3077	11.57	9.49	0.82	3235	11.13	9.12	0.82	3384	10.70	8.77	0.82	3540
32	22	7.59	5.46	0.72	1109	7.59	5.46	0.72	1222	7.59	5.46	0.72	1334	8.43	6.07	0.72	1409	8.43	6.07	0.72	1559	12.82	9.23	0.72	3109	12.27	8.83	0.72	3269	11.80	8.49	0.72	3419	11.34	8.17	0.72	3577
32	24	8.04	4.82	0.60	1149	8.04	4.82	0.60	1262	8.04	4.82	0.60	1374	8.93	5.36	0.60	1449	8.93	5.36	0.60	1599	13.59	8.15	0.60	3141	13.00	7.80	0.60	3303	12.50	7.50	0.60	3455	12.02	7.21	0.60	3614
32	26	8.44	4.05	0.48	1189	8.44	4.05	0.48	1302	8.44	4.05	0.48	1414	9.38	4.50	0.48	1489	9.38	4.50	0.48	1639	14.27	6.85	0.48	3174	13.65	6.55	0.48	3337	13.13	6.30	0.48	3491	12.62	6.06	0.48	3652

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-5.0UFE1NH+RAS-5.0UFESNH1

CAPACITY: 12.70 kW SHF: 0.70 INPUT: 4530 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	8.82	4.59	0.52	1248	8.82	4.59	0.52	1384	8.82	4.59	0.52	1520	9.80	5.10	0.52	1611	9.80	5.10	0.52	1792	14.91	7.75	0.52	3681	14.27	7.42	0.52	3870	13.72	7.13	0.52	4049	13.19	6.86	0.52	4235
21	20	9.27	3.71	0.40	1288	9.27	3.71	0.40	1424	9.27	3.71	0.40	1560	10.30	4.12	0.40	1651	10.30	4.12	0.40	1832	15.67	6.27	0.40	3713	15.00	6.00	0.40	3905	14.42	5.77	0.40	4084	13.87	5.55	0.40	4272
22	18	8.82	4.94	0.56	1248	8.82	4.94	0.56	1384	8.82	4.94	0.56	1520	9.80	5.49	0.56	1611	9.80	5.49	0.56	1792	14.91	8.35	0.56	3681	14.27	7.99	0.56	3870	13.72	7.68	0.56	4049	13.19	7.39	0.56	4235
22	20	9.27	4.08	0.44	1288	9.27	4.08	0.44	1424	9.27	4.08	0.44	1560	10.30	4.53	0.44	1651	10.30	4.53	0.44	1832	15.67	6.90	0.44	3713	15.00	6.60	0.44	3905	14.42	6.35	0.44	4084	13.87	6.10	0.44	4272
22	22	9.83	3.15	0.32	1327	9.83	3.15	0.32	1463	9.83	3.15	0.32	1599	10.92	3.49	0.32	1690	10.92	3.49	0.32	1871	16.61	5.32	0.32	3745	15.90	5.09	0.32	3938	15.29	4.89	0.32	4119	14.70	4.70	0.32	4309
23	18	8.82	5.29	0.60	1248	8.82	5.29	0.60	1384	8.82	5.29	0.60	1520	9.80	5.88	0.60	1611	9.80	5.88	0.60	1792	14.91	8.95	0.60	3681	14.27	8.56	0.60	3870	13.72	8.23	0.60	4049	13.19	7.92	0.60	4235
23	20	9.27	4.45	0.48	1288	9.27	4.45	0.48	1424	9.27	4.45	0.48	1560	10.30	4.94	0.48	1651	10.30	4.94	0.48	1832	15.67	7.52	0.48	3713	15.00	7.20	0.48	3905	14.42	6.92	0.48	4084	13.87	6.66	0.48	4272
23	22	9.83	3.54	0.36	1327	9.83	3.54	0.36	1463	9.83	3.54	0.36	1599	10.92	3.93	0.36	1690	10.92	3.93	0.36	1871	16.61	5.98	0.36	3745	15.90	5.72	0.36	3938	15.29	5.50	0.36	4119	14.70	5.29	0.36	4309
24	18	8.82	5.65	0.64	1248	8.82	5.65	0.64	1384	8.82	5.65	0.64	1520	9.80	6.27	0.64	1611	9.80	6.27	0.64	1792	14.91	9.54	0.64	3681	14.27	9.13	0.64	3870	13.72	8.78	0.64	4049	13.19	8.44	0.64	4235
24	20	9.27	4.82	0.52	1288	9.27	4.82	0.52	1424	9.27	4.82	0.52	1560	10.30	5.36	0.52	1651	10.30	5.36	0.52	1832	15.67	8.15	0.52	3713	15.00	7.80	0.52	3905	14.42	7.50	0.52	4084	13.87	7.21	0.52	4272
24	22	9.83	3.93	0.40	1327	9.83	3.93	0.40	1463	9.83	3.93	0.40	1599	10.92	4.37	0.40	1690	10.92	4.37	0.40	1871	16.61	6.65	0.40	3745	15.90	6.36	0.40	3938	15.29	6.11	0.40	4119	14.70	5.88	0.40	4309
24	24	10.42	2.92	0.28	1367	10.42	2.92	0.28	1503	10.42	2.92	0.28	1639	11.57	3.24	0.28	1730	11.57	3.24	0.28	1911	17.61	4.93	0.28	3778	16.85	4.72	0.28	3973	16.20	4.54	0.28	4155	15.58	4.36	0.28	4347
25	18	8.82	6.00	0.68	1248	8.82	6.00	0.68	1384	8.82	6.00	0.68	1520	9.80	6.66	0.68	1611	9.80	6.66	0.68	1792	14.91	10.14	0.68	3681	14.27	9.70	0.68	3870	13.72	9.33	0.68	4049	13.19	8.97	0.68	4235
25	20	9.27	5.19	0.56	1288	9.27	5.19	0.56	1424	9.27	5.19	0.56	1560	10.30	5.77	0.56	1651	10.30	5.77	0.56	1832	15.67	8.78	0.56	3713	15.00	8.40	0.56	3905	14.42	8.08	0.56	4084	13.87	7.76	0.56	4272
25	22	9.83	4.33	0.44	1327	9.83	4.33	0.44	1463	9.83	4.33	0.44	1599	10.92	4.80	0.44	1690	10.92	4.80	0.44	1871	16.61	7.31	0.44	3745	15.90	6.99	0.44	3938	15.29	6.73	0.44	4119	14.70	6.47	0.44	4309
25	24	10.42	3.33	0.32	1367	10.42	3.33	0.32	1503	10.42	3.33	0.32	1639	11.57	3.70	0.32	1730	11.57	3.70	0.32	1911	17.61	5.63	0.32	3778	16.85	5.39	0.32	3973	16.20	5.18	0.32	4155	15.58	4.99	0.32	4347
26	18	8.82	6.35	0.72	1248	8.82	6.35	0.72	1384	8.82	6.35	0.72	1520	9.80	7.06	0.72	1611	9.80	7.06	0.72	1792	14.91	10.74	0.72	3681	14.27	10.27	0.72	3870	13.72	9.88	0.72	4049	13.19	9.50	0.72	4235
26	20	9.27	5.56	0.60	1288	9.27	5.56	0.60	1424	9.27	5.56	0.60	1560	10.30	6.18	0.60	1651	10.30	6.18	0.60	1832	15.67	9.40	0.60	3713	15.00	9.00	0.60	3905	14.42	8.65	0.60	4084	13.87	8.32	0.60	4272
26	22	9.83	4.72	0.48	1327	9.83	4.72	0.48	1463	9.83	4.72	0.48	1599	10.92	5.24	0.48	1690	10.92	5.24	0.48	1871	16.61	7.97	0.48	3745	15.90	7.63	0.48	3938	15.29	7.34	0.48	4119	14.70	7.05	0.48	4309
26	24	10.42	3.75	0.36	1367	10.42	3.75	0.36	1503	10.42	3.75	0.36	1639	11.57	4.17	0.36	1730	11.57	4.17	0.36	1911	17.61	6.34	0.36	3778	16.85	6.07	0.36	3973	16.20	5.83	0.36	4155	15.58	5.61	0.36	4347
26	26	10.94	2.63	0.24	1407	10.94	2.63	0.24	1543	10.94	2.63	0.24	1679	12.15	2.92	0.24	1770	12.15	2.92	0.24	1951	18.49	4.44	0.24	3811	17.69	4.25	0.24	4007	17.01	4.08	0.24	4191	16.36	3.93	0.24	4384
27	18	8.82	6.71	0.76	1248	8.82	6.71	0.76	1384	8.82	6.71	0.76	1520	9.80	7.45	0.76	1611	9.80	7.45	0.76	1792	14.91	11.33	0.76	3681	14.27	10.84	0.76	3870	13.72	10.43	0.76	4049	13.19	10.03	0.76	4235
27	19	9.00	6.30	0.70	1268	9.00	6.30	0.70	1404	9.00	6.30	0.70	1540	10.00	7.00	0.70	1631	10.00	7.00	0.70	1812	15.22	10.65	0.70	3697	14.56	10.19	0.70	3888	14.00	9.80	0.70	4067	13.46	9.42	0.70	4254
27	20	9.27	5.94	0.64	1288	9.27	5.94	0.64	1424	9.27	5.94	0.64	1560	10.30	6.59	0.64	1651	10.30	6.59	0.64	1832	15.67	10.03	0.64	3713	15.00	9.60	0.64	3905	14.42	9.23	0.64	4084	13.87	8.87	0.64	4272
27	22	9.83	5.11	0.52	1327	9.83	5.11	0.52	1463	9.83	5.11	0.52	1599	10.92	5.68	0.52	1690	10.92	5.68	0.52	1871	16.61	8.64	0.52	3745	15.90	8.27	0.52	3938	15.29	7.95	0.52	4119	14.70	7.64	0.52	4309
27	24	10.42	4.17	0.40	1367	10.42	4.17	0.40	1503	10.42	4.17	0.40	1639	11.57	4.63	0.40	1730	11.57	4.63	0.40	1911	17.61	7.04	0.40	3778	16.85	6.74	0.40	3973	16.20	6.48	0.40	4155	15.58	6.23	0.40	4347
27	26	10.94	3.06	0.28	1407	10.94	3.06	0.28	1543	10.94	3.06	0.28	1679	12.15	3.40	0.28	1770	12.15	3.40	0.28	1951	18.49	5.18	0.28	3811	17.69	4.95	0.28	4007	17.01	4.76	0.28	4191	16.36	4.58	0.28	4384
28	18	8.82	7.06	0.80	1248	8.82	7.06	0.80	1384	8.82	7.06	0.80	1520	9.80	7.84	0.80	1611	9.80	7.84	0.80	1792	14.91	11.93	0.80	3681	14.27	11.42	0.80	3870	13.72	10.98	0.80	4049	13.19	10.55	0.80	4235
28	20	9.27	6.31	0.68	1288	9.27	6.31	0.68	1424	9.27	6.31	0.68	1560	10.30	7.00	0.68	1651	10.30	7.00	0.68	1832	15.67	10.66	0.68	3713	15.00	10.20	0.68	3905	14.42	9.81	0.68	4084	13.87	9.43	0.68	4272
28	22	9.83	5.51	0.56	1327	9.83	5.51	0.56	1463	9.83	5.51	0.56	1599	10.92	6.11	0.56	1690	10.92	6.11	0.56	1871	16.61	9.30	0.56	3745	15.90	8.90	0.56	3938	15.29	8.56	0.56	4119	14.70	8.23	0.56	4309

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		30				35				40				48																					
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																		
21	18	13.19	6.86	0.52	4235	12.45	6.47	0.52	4510	11.43	5.94	0.52	4790	10.57	5.50	0.52	4972																		
21	20	13.87	5.55	0.40	4272	13.08	5.23	0.40	4550	12.01	4.80	0.40	4832	11.11	4.44	0.40	5016																		
22	18	13.19	7.39	0.56	4235	12.45	6.97	0.56	4510	11.43	6.40	0.56	4790	10.57	5.92	0.56	4972																		
22	20	13.87	6.10	0.44	4272	13.08	5.76	0.44	4550	12.01	5.28	0.44	4832	11.11	4.89	0.44	5016																		
22	22	14.70	4.70	0.32	4309	13.87	4.44	0.32	4589	12.73	4.07	0.32	4874	11.77	3.77	0.32	5059																		
23	18	13.19	7.92	0.60	4235	12.45	7.47	0.60	4510	11.43	6.86	0.60	4790	10.57	6.34	0.60	4972																		
23	20	13.87	6.66	0.48	4272	13.08	6.28	0.48	4550	12.01	5.76	0.48	4832	11.11	5.33	0.48	5016																		
23	22	14.70	5.29	0.36	4309	13.87	4.99	0.36	4589	12.73	4.58	0.36	4874	11.77	4.24	0.36	5059																		
24	18	13.19	8.44	0.64	4235	12.45	7.97	0.64	4510	11.43	7.31	0.64	4790	10.57	6.76	0.64	4972																		
24	20	13.87	7.21	0.52	4272	13.08	6.80	0.52	4550	12.01	6.24	0.52	4832	11.11	5.78	0.52	5016																		
24	22	14.70	5.88	0.40	4309	13.87	5.55	0.40	4589	12.73	5.09	0.40	4874	11.77	4.71	0.40	5059																		
24	24	15.58	4.36	0.28	4347	14.70	4.12	0.28	4629	13.49	3.78	0.28	4916	12.48	3.49	0.28	5103																		
25	18	13.19	8.97	0.68	4235	12.45	8.46	0.68	4510	11.43	7.77	0.68	4790	10.57	7.19	0.68	4972																		
25	20	13.87	7.76	0.56	4272	13.08	7.33	0.56	4550	12.01	6.72	0.56	4832	11.11	6.22	0.56	5016																		
25	22	14.70	6.47	0.44	4309	13.87	6.10	0.44	4589	12.73	5.60	0.44	4874	11.77	5.18	0.44	5059																		
25	24	15.58	4.99	0.32	4347	14.70	4.70	0.32	4629	13.49	4.32	0.32	4916	12.48	3.99	0.32	5103																		
26	18	13.19	9.50	0.72	4235	12.45	8.96	0.72	4510	11.43	8.23	0.72	4790	10.57	7.61	0.72	4972																		
26	20	13.87	8.32	0.60	4272	13.08	7.85	0.60	4550	12.01	7.21	0.60	4832	11.11	6.66	0.60	5016																		
26	22	14.70	7.05	0.48	4309	13.87	6.66	0.48	4589	12.73	6.11	0.48	4874	11.77	5.65	0.48	5059																		
26	24	15.58	5.61	0.36	4347	14.70	5.29	0.36	4629	13.49	4.86	0.36	4916	12.48	4.49	0.36	5103																		
26	26	16.36	3.93	0.24	4384	15.43	3.70	0.24	4669	14.17	3.40	0.24	4958	13.10	3.15	0.24	5147																		
27	18	13.19	10.03	0.76	4235	12.45	9.46	0.76	4510	11.43	8.68	0.76	4790	10.57	8.03	0.76	4972																		
27	19	13.46	9.42	0.70	4254	12.70	8.89	0.70	4530	11.66	8.16	0.70	4811	10.78	7.55	0.70	4994																		
27	20	13.87	8.87	0.64	4272	13.08	8.37	0.64	4550	12.01	7.69	0.64	4832	11.11	7.11	0.64	5016																		
27	22	14.70	7.64	0.52	4309	13.87	7.21	0.52	4589	12.73	6.62	0.52	4874	11.77	6.12	0.52	5059																		
27	24	15.58	6.23	0.40	4347	14.70	5.88	0.40	4629	13.49	5.40	0.40	4916	12.48	4.99	0.40	5103																		
27	26	16.36	4.58	0.28	4384	15.43	4.32	0.28	4669	14.17	3.97	0.28	4958	13.10	3.67	0.28	5147																		
28	18	13.19	10.55	0.80	4235	12.45	9.96	0.80	4510	11.43	9.14	0.80	4790	10.57	8.45	0.80	4972																		
28	20	13.87	9.43	0.68	4272	13.08	8.90	0.68	4550	12.01	8.17	0.68	4832	11.11	7.55	0.68	5016																		
28	22	14.70	8.23	0.56	4309	13.87	7.76	0.56	4589	12.73	7.13	0.56	4874	11.77	6.59	0.56	5059																		

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-5.0UFE1NH+RAS-5.0UFESNH1

CAPACITY: 12.70 kW SHF: 0.70 INPUT: 4530 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	10.42	4.59	0.44	1367	10.42	4.59	0.44	1503	10.42	4.59	0.44	1639	11.57	5.09	0.44	1730	11.57	5.09	0.44	1911	17.61	7.75	0.44	3778	16.85	7.41	0.44	3973	16.20	7.13	0.44	4155	15.58	6.86	0.44	4347
28	26	10.94	3.50	0.32	1407	10.94	3.50	0.32	1543	10.94	3.50	0.32	1679	12.15	3.89	0.32	1770	12.15	3.89	0.32	1951	18.49	5.92	0.32	3811	17.69	5.66	0.32	4007	17.01	5.44	0.32	4191	16.36	5.23	0.32	4384
29	18	8.82	7.24	0.82	1248	8.82	7.24	0.82	1384	8.82	7.24	0.82	1520	9.80	8.04	0.82	1611	9.80	8.04	0.82	1792	14.91	12.23	0.82	3681	14.27	11.70	0.82	3870	13.72	11.25	0.82	4049	13.19	10.82	0.82	4235
29	20	9.27	6.68	0.72	1288	9.27	6.68	0.72	1424	9.27	6.68	0.72	1560	10.30	7.42	0.72	1651	10.30	7.42	0.72	1832	15.67	11.28	0.72	3713	15.00	10.80	0.72	3905	14.42	10.38	0.72	4084	13.87	9.98	0.72	4272
29	22	9.83	5.90	0.60	1327	9.83	5.90	0.60	1463	9.83	5.90	0.60	1599	10.92	6.55	0.60	1690	10.92	6.55	0.60	1871	16.61	9.97	0.60	3745	15.90	9.54	0.60	3938	15.29	9.17	0.60	4119	14.70	8.82	0.60	4309
29	24	10.42	5.00	0.48	1367	10.42	5.00	0.48	1503	10.42	5.00	0.48	1639	11.57	5.56	0.48	1730	11.57	5.56	0.48	1911	17.61	8.45	0.48	3778	16.85	8.09	0.48	3973	16.20	7.78	0.48	4155	15.58	7.48	0.48	4347
29	26	10.94	3.94	0.36	1407	10.94	3.94	0.36	1543	10.94	3.94	0.36	1679	12.15	4.38	0.36	1770	12.15	4.38	0.36	1951	18.49	6.66	0.36	3811	17.69	6.37	0.36	4007	17.01	6.12	0.36	4191	16.36	5.89	0.36	4384
30	18	8.82	7.24	0.82	1248	8.82	7.24	0.82	1384	8.82	7.24	0.82	1520	9.80	8.04	0.82	1611	9.80	8.04	0.82	1792	14.91	12.23	0.82	3681	14.27	11.70	0.82	3870	13.72	11.25	0.82	4049	13.19	10.82	0.82	4235
30	20	9.27	7.05	0.76	1288	9.27	7.05	0.76	1424	9.27	7.05	0.76	1560	10.30	7.83	0.76	1651	10.30	7.83	0.76	1832	15.67	11.91	0.76	3713	15.00	11.40	0.76	3905	14.42	10.96	0.76	4084	13.87	10.54	0.76	4272
30	22	9.83	6.29	0.64	1327	9.83	6.29	0.64	1463	9.83	6.29	0.64	1599	10.92	6.99	0.64	1690	10.92	6.99	0.64	1871	16.61	10.63	0.64	3745	15.90	10.17	0.64	3938	15.29	9.78	0.64	4119	14.70	9.41	0.64	4309
30	24	10.42	5.42	0.52	1367	10.42	5.42	0.52	1503	10.42	5.42	0.52	1639	11.57	6.02	0.52	1730	11.57	6.02	0.52	1911	17.61	9.16	0.52	3778	16.85	8.76	0.52	3973	16.20	8.43	0.52	4155	15.58	8.10	0.52	4347
30	26	10.94	4.38	0.40	1407	10.94	4.38	0.40	1543	10.94	4.38	0.40	1679	12.15	4.86	0.40	1770	12.15	4.86	0.40	1951	18.49	7.40	0.40	3811	17.69	7.08	0.40	4007	17.01	6.81	0.40	4191	16.36	6.54	0.40	4384
31	18	8.82	7.24	0.82	1248	8.82	7.24	0.82	1384	8.82	7.24	0.82	1520	9.80	8.04	0.82	1611	9.80	8.04	0.82	1792	14.91	12.23	0.82	3681	14.27	11.70	0.82	3870	13.72	11.25	0.82	4049	13.19	10.82	0.82	4235
31	20	9.27	7.42	0.80	1288	9.27	7.42	0.80	1424	9.27	7.42	0.80	1560	10.30	8.24	0.80	1651	10.30	8.24	0.80	1832	15.67	12.54	0.80	3713	15.00	12.00	0.80	3905	14.42	11.54	0.80	4084	13.87	11.09	0.80	4272
31	22	9.83	6.69	0.68	1327	9.83	6.69	0.68	1463	9.83	6.69	0.68	1599	10.92	7.43	0.68	1690	10.92	7.43	0.68	1871	16.61	11.30	0.68	3745	15.90	10.81	0.68	3938	15.29	10.39	0.68	4119	14.70	9.99	0.68	4309
31	24	10.42	5.84	0.56	1367	10.42	5.84	0.56	1503	10.42	5.84	0.56	1639	11.57	6.48	0.56	1730	11.57	6.48	0.56	1911	17.61	9.86	0.56	3778	16.85	9.44	0.56	3973	16.20	9.07	0.56	4155	15.58	8.72	0.56	4347
31	26	10.94	4.81	0.44	1407	10.94	4.81	0.44	1543	10.94	4.81	0.44	1679	12.15	5.35	0.44	1770	12.15	5.35	0.44	1951	18.49	8.14	0.44	3811	17.69	7.79	0.44	4007	17.01	7.49	0.44	4191	16.36	7.20	0.44	4384
32	18	8.82	7.24	0.82	1248	8.82	7.24	0.82	1384	8.82	7.24	0.82	1520	9.80	8.04	0.82	1611	9.80	8.04	0.82	1792	14.91	12.23	0.82	3681	14.27	11.70	0.82	3870	13.72	11.25	0.82	4049	13.19	10.82	0.82	4235
32	20	9.27	7.61	0.82	1288	9.27	7.61	0.82	1424	9.27	7.61	0.82	1560	10.30	8.45	0.82	1651	10.30	8.45	0.82	1832	15.67	12.85	0.82	3713	15.00	12.30	0.82	3905	14.42	11.82	0.82	4084	13.87	11.37	0.82	4272
32	22	9.83	7.08	0.72	1327	9.83	7.08	0.72	1463	9.83	7.08	0.72	1599	10.92	7.86	0.72	1690	10.92	7.86	0.72	1871	16.61	11.96	0.72	3745	15.90	11.45	0.72	3938	15.29	11.01	0.72	4119	14.70	10.58	0.72	4309
32	24	10.42	6.25	0.60	1367	10.42	6.25	0.60	1503	10.42	6.25	0.60	1639	11.57	6.94	0.60	1730	11.57	6.94	0.60	1911	17.61	10.57	0.60	3778	16.85	10.11	0.60	3973	16.20	9.72	0.60	4155	15.58	9.35	0.60	4347
32	26	10.94	5.25	0.48	1407	10.94	5.25	0.48	1543	10.94	5.25	0.48	1679	12.15	5.83	0.48	1770	12.15	5.83	0.48	1951	18.49	8.88	0.48	3811	17.69	8.49	0.48	4007	17.01	8.17	0.48	4191	16.36	7.85	0.48	4384

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
28	24	14.70	6.47	0.44	4629	13.49	5.94	0.44	4916	12.48	5.49	0.44	5103																						
28	26	15.43	4.94	0.32	4669	14.17	4.53	0.32	4958	13.10	4.19	0.32	5147																						
29	18	12.45	10.21	0.82	4510	11.43	9.37	0.82	4790	10.57	8.67	0.82	4972																						
29	20	13.08	9.42	0.72	4550	12.01	8.65	0.72	4832	11.11	8.00	0.72	5016																						
29	22	13.87	8.32	0.60	4589	12.73	7.64	0.60	4874	11.77	7.06	0.60	5059																						
29	24	14.70	7.05	0.48	4629	13.49	6.48	0.48	4916	12.48	5.99	0.48	5103																						
29	26	15.43	5.56	0.36	4669	14.17	5.10	0.36	4958	13.10	4.72	0.36	5147																						
30	18	12.45	10.21	0.82	4510	11.43	9.37	0.82	4790	10.57	8.67	0.82	4972																						
30	20	13.08	9.94	0.76	4550	12.01	9.13	0.76	4832	11.11	8.44	0.76	5016																						
30	22	13.87	8.87	0.64	4589	12.73	8.15	0.64	4874	11.77	7.54	0.64	5059																						
30	24	14.70	7.64	0.52	4629	13.49	7.02	0.52	4916	12.48	6.49	0.52	5103																						
30	26	15.43	6.17	0.40	4669	14.17	5.67	0.40	4958	13.10	5.24	0.40	5147																						
31	18	12.45	10.21	0.82	4510	11.43	9.37	0.82	4790	10.57	8.67	0.82	4972																						
31	20	13.08	10.46	0.80	4550	12.01	9.61	0.80	4832	11.11	8.89	0.80	5016																						
31	22	13.87	9.43	0.68	4589	12.73	8.66	0.68	4874	11.77	8.01	0.68	5059																						
31	24	14.70	8.23	0.56	4629	13.49	7.56	0.56	4916	12.48	6.99	0.56	5103																						
31	26	15.43	6.79	0.44	4669	14.17	6.23	0.44	4958	13.10	5.77	0.44	5147																						
32	18	12.45	10.21	0.82	4510	11.43	9.37	0.82	4790	10.57	8.67	0.82	4972																						
32	20	13.08	10.73	0.82	4550	12.01	9.85	0.82	4832	11.11	9.11	0.82	5016																						
32	22	13.87	9.98	0.72	4589	12.73	9.16	0.72	4874	11.77	8.48	0.72	5059																						
32	24	14.70	8.82	0.60	4629	13.49	8.10	0.60	4916	12.48	7.49	0.60	5103																						
32	26	15.43	7.41	0.48	4669	14.17	6.80	0.48	4958	13.10	6.29	0.48	5147																						

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-5.0UFE1NH+RAS-5.0UFESMH1

CAPACITY: 12.10 kW SHF: 0.70 INPUT: 4400 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	8.41	4.37	0.52	1212	8.41	4.37	0.52	1344	8.41	4.37	0.52	1476	9.34	4.86	0.52	1564	9.34	4.86	0.52	1740	14.21	7.39	0.52	3575	13.60	7.07	0.52	3759	13.07	6.80	0.52	3932	12.57	6.54	0.52	4113
21	20	8.84	3.53	0.40	1252	8.84	3.53	0.40	1384	8.84	3.53	0.40	1516	9.81	3.93	0.40	1604	9.81	3.93	0.40	1780	14.93	5.97	0.40	3607	14.29	5.72	0.40	3793	13.74	5.50	0.40	3968	13.21	5.28	0.40	4150
22	18	8.41	4.71	0.56	1212	8.41	4.71	0.56	1344	8.41	4.71	0.56	1476	9.34	5.23	0.56	1564	9.34	5.23	0.56	1740	14.21	7.96	0.56	3575	13.60	7.61	0.56	3759	13.07	7.32	0.56	3932	12.57	7.04	0.56	4113
22	20	8.84	3.89	0.44	1252	8.84	3.89	0.44	1384	8.84	3.89	0.44	1516	9.81	4.32	0.44	1604	9.81	4.32	0.44	1780	14.93	6.57	0.44	3607	14.29	6.29	0.44	3793	13.74	6.05	0.44	3968	13.21	5.81	0.44	4150
22	22	9.37	3.00	0.32	1291	9.37	3.00	0.32	1423	9.37	3.00	0.32	1555	10.40	3.33	0.32	1643	10.40	3.33	0.32	1819	15.83	5.06	0.32	3639	15.15	4.85	0.32	3827	14.56	4.66	0.32	4003	14.00	4.48	0.32	4187
23	18	8.41	5.04	0.60	1212	8.41	5.04	0.60	1344	8.41	5.04	0.60	1476	9.34	5.60	0.60	1564	9.34	5.60	0.60	1740	14.21	8.52	0.60	3575	13.60	8.16	0.60	3759	13.07	7.84	0.60	3932	12.57	7.54	0.60	4113
23	20	8.84	4.24	0.48	1252	8.84	4.24	0.48	1384	8.84	4.24	0.48	1516	9.81	4.71	0.48	1604	9.81	4.71	0.48	1780	14.93	7.17	0.48	3607	14.29	6.86	0.48	3793	13.74	6.59	0.48	3968	13.21	6.34	0.48	4150
23	22	9.37	3.37	0.36	1291	9.37	3.37	0.36	1423	9.37	3.37	0.36	1555	10.40	3.75	0.36	1643	10.40	3.75	0.36	1819	15.83	5.70	0.36	3639	15.15	5.45	0.36	3827	14.56	5.24	0.36	4003	14.00	5.04	0.36	4187
24	18	8.41	5.38	0.64	1212	8.41	5.38	0.64	1344	8.41	5.38	0.64	1476	9.34	5.98	0.64	1564	9.34	5.98	0.64	1740	14.21	9.09	0.64	3575	13.60	8.70	0.64	3759	13.07	8.37	0.64	3932	12.57	8.04	0.64	4113
24	20	8.84	4.59	0.52	1252	8.84	4.59	0.52	1384	8.84	4.59	0.52	1516	9.81	5.10	0.52	1604	9.81	5.10	0.52	1780	14.93	7.76	0.52	3607	14.29	7.43	0.52	3793	13.74	7.14	0.52	3968	13.21	6.87	0.52	4150
24	22	9.37	3.75	0.40	1291	9.37	3.75	0.40	1423	9.37	3.75	0.40	1555	10.40	4.16	0.40	1643	10.40	4.16	0.40	1819	15.83	6.33	0.40	3639	15.15	6.06	0.40	3827	14.56	5.83	0.40	4003	14.00	5.60	0.40	4187
24	24	9.93	2.78	0.28	1331	9.93	2.78	0.28	1463	9.93	2.78	0.28	1595	11.03	3.09	0.28	1683	11.03	3.09	0.28	1859	16.78	4.70	0.28	3672	16.05	4.50	0.28	3861	15.44	4.32	0.28	4039	14.84	4.16	0.28	4225
25	18	8.41	5.72	0.68	1212	8.41	5.72	0.68	1344	8.41	5.72	0.68	1476	9.34	6.35	0.68	1564	9.34	6.35	0.68	1740	14.21	9.66	0.68	3575	13.60	9.24	0.68	3759	13.07	8.89	0.68	3932	12.57	8.55	0.68	4113
25	20	8.84	4.95	0.56	1252	8.84	4.95	0.56	1384	8.84	4.95	0.56	1516	9.81	5.50	0.56	1604	9.81	5.50	0.56	1780	14.93	8.36	0.56	3607	14.29	8.00	0.56	3793	13.74	7.69	0.56	3968	13.21	7.40	0.56	4150
25	22	9.37	4.12	0.44	1291	9.37	4.12	0.44	1423	9.37	4.12	0.44	1555	10.40	4.58	0.44	1643	10.40	4.58	0.44	1819	15.83	6.96	0.44	3639	15.15	6.66	0.44	3827	14.56	6.41	0.44	4003	14.00	6.16	0.44	4187
25	24	9.93	3.18	0.32	1331	9.93	3.18	0.32	1463	9.93	3.18	0.32	1595	11.03	3.53	0.32	1683	11.03	3.53	0.32	1859	16.78	5.37	0.32	3672	16.05	5.14	0.32	3861	15.44	4.94	0.32	4039	14.84	4.75	0.32	4225
26	18	8.41	6.05	0.72	1212	8.41	6.05	0.72	1344	8.41	6.05	0.72	1476	9.34	6.72	0.72	1564	9.34	6.72	0.72	1740	14.21	10.23	0.72	3575	13.60	9.79	0.72	3759	13.07	9.41	0.72	3932	12.57	9.05	0.72	4113
26	20	8.84	5.30	0.60	1252	8.84	5.30	0.60	1384	8.84	5.30	0.60	1516	9.81	5.89	0.60	1604	9.81	5.89	0.60	1780	14.93	8.96	0.60	3607	14.29	8.57	0.60	3793	13.74	8.24	0.60	3968	13.21	7.93	0.60	4150
26	22	9.37	4.50	0.48	1291	9.37	4.50	0.48	1423	9.37	4.50	0.48	1555	10.40	4.99	0.48	1643	10.40	4.99	0.48	1819	15.83	7.60	0.48	3639	15.15	7.27	0.48	3827	14.56	6.99	0.48	4003	14.00	6.72	0.48	4187
26	24	9.93	3.57	0.36	1331	9.93	3.57	0.36	1463	9.93	3.57	0.36	1595	11.03	3.97	0.36	1683	11.03	3.97	0.36	1859	16.78	6.04	0.36	3672	16.05	5.78	0.36	3861	15.44	5.56	0.36	4039	14.84	5.34	0.36	4225
26	26	10.42	2.50	0.24	1371	10.42	2.50	0.24	1503	10.42	2.50	0.24	1635	11.58	2.78	0.24	1723	11.58	2.78	0.24	1899	17.62	4.23	0.24	3704	16.86	4.05	0.24	3895	16.21	3.89	0.24	4075	15.59	3.74	0.24	4262
27	18	8.41	6.39	0.76	1212	8.41	6.39	0.76	1344	8.41	6.39	0.76	1476	9.34	7.10	0.76	1564	9.34	7.10	0.76	1740	14.21	10.80	0.76	3575	13.60	10.33	0.76	3759	13.07	9.93	0.76	3932	12.57	9.55	0.76	4113
27	19	8.58	6.01	0.70	1232	8.58	6.01	0.70	1364	8.58	6.01	0.70	1496	9.53	6.67	0.70	1584	9.53	6.67	0.70	1760	14.50	10.15	0.70	3591	13.87	9.71	0.70	3776	13.34	9.34	0.70	3950	12.83	8.98	0.70	4132
27	20	8.84	5.66	0.64	1252	8.84	5.66	0.64	1384	8.84	5.66	0.64	1516	9.81	6.28	0.64	1604	9.81	6.28	0.64	1780	14.93	9.56	0.64	3607	14.29	9.14	0.64	3793	13.74	8.79	0.64	3968	13.21	8.45	0.64	4150
27	22	9.37	4.87	0.52	1291	9.37	4.87	0.52	1423	9.37	4.87	0.52	1555	10.40	5.41	0.52	1643	10.40	5.41	0.52	1819	15.83	8.23	0.52	3639	15.15	7.88	0.52	3827	14.56	7.57	0.52	4003	14.00	7.28	0.52	4187
27	24	9.93	3.97	0.40	1331	9.93	3.97	0.40	1463	9.93	3.97	0.40	1595	11.03	4.41	0.40	1683	11.03	4.41	0.40	1859	16.78	6.71	0.40	3672	16.05	6.42	0.40	3861	15.44	6.17	0.40	4039	14.84	5.94	0.40	4225
27	26	10.42	2.92	0.28	1371	10.42	2.92	0.28	1503	10.42	2.92	0.28	1635	11.58	3.24	0.28	1723	11.58	3.24	0.28	1899	17.62	4.93	0.28	3704	16.86	4.72	0.28	3895	16.21	4.54	0.28	4075	15.59	4.36	0.28	4262
28	18	8.41	6.73	0.80	1212	8.41	6.73	0.80	1344	8.41	6.73	0.80	1476	9.34	7.47	0.80	1564	9.34	7.47	0.80	1740	14.21	11.37	0.80	3575	13.60	10.88	0.80	3759	13.07	10.46	0.80	3932	12.57	10.06	0.80	4113
28	20	8.84	6.01	0.68	1252	8.84	6.01	0.68	1384	8.84	6.01	0.68	1516	9.81	6.67	0.68	1604	9.81	6.67	0.68	1780	14.93	10.15	0.68	3607	14.29	9.72	0.68	3793	13.74	9.34	0.68	3968	13.21	8.98	0.68	4150
28	22	9.37	5.25	0.56	1291	9.37	5.25	0.56	1423	9.37	5.25	0.56	1555	10.40	5.83	0.56	1643	10.40	5.83	0.56	1819	15.83	8.86	0.56	3639	15.15	8.48	0.56	3827	14.56	8.16	0.56	4003	14.00	7.84	0.56	4187

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
21	18	11.86	6.17	0.52	4380	10.89	5.66	0.52	4652	10.07	5.24	0.52	4828																						
21	20	12.46	4.99	0.40	4420	11.44	4.58	0.40	4694	10.58	4.23	0.40	4872																						
22	18	11.86	6.64	0.56	4380	10.89	6.10	0.56	4652	10.07	5.64	0.56	4828																						
22	20	12.46	5.48	0.44	4420	11.44	5.03	0.44	4694	10.58	4.66	0.44	4872																						
22	22	13.21	4.23	0.32	4459	12.13	3.88	0.32	4735	11.22	3.59	0.32	4915																						
23	18	11.86	7.11	0.60	4380	10.89	6.53	0.60	4652	10.07	6.04	0.60	4828																						
23	20	12.46	5.98	0.48	4420	11.44	5.49	0.48	4694	10.58	5.08	0.48	4872																						
23	22	13.21	4.76	0.36	4459	12.13	4.37	0.36	4735	11.22	4.04	0.36	4915																						
24	18	11.86	7.59	0.64	4380	10.89	6.97	0.64	4652	10.07	6.44	0.64	4828																						
24	20	12.46	6.48	0.52	4420	11.44	5.95	0.52	4694	10.58	5.50	0.52	4872																						
24	22	13.21	5.28	0.40	4459	12.13	4.85	0.40	4735	11.22	4.49	0.40	4915																						
24	24	14.00	3.92	0.28	4499	12.86	3.60	0.28	4778	11.89	3.33	0.28	4959																						
25	18	11.86	8.06	0.68	4380	10.89	7.40	0.68	4652	10.07	6.85	0.68	4828																						
25	20	12.46	6.98	0.56	4420	11.44	6.41	0.56	4694	10.58	5.93	0.56	4872																						
25	22	13.21	5.81	0.44	4459	12.13	5.34	0.44	4735	11.22	4.94	0.44	4915																						
25	24	14.00	4.48	0.32	4499	12.86	4.11	0.32	4778	11.89	3.81	0.32	4959																						
26	18	11.86	8.54	0.72	4380	10.89	7.84	0.72	4652	10.07	7.25	0.72	4828																						
26	20	12.46	7.48	0.60	4420	11.44	6.86	0.60	4694	10.58	6.35	0.60	4872																						
26	22	13.21	6.34	0.48	4459	12.13	5.82	0.48	4735	11.22	5.38	0.48	4915																						
26	24	14.00	5.04	0.36	4499	12.86	4.63	0.36	4778	11.89	4.28	0.36	4959																						
26	26	14.70	3.53	0.24	4539	13.50	3.24	0.24	4820	12.49	3.00	0.24	5004																						
27	18	11.86	9.01	0.76	4380	10.89	8.27	0.76	4652	10.07	7.65	0.76	4828																						
27	19	12.10	8.47	0.70	4400	11.11	7.78	0.70	4673	10.27	7.19	0.70	4850																						
27	20	12.46	7.98	0.64	4420	11.44	7.32	0.64	4694	10.58	6.77	0.64	4872																						
27	22	13.21	6.87	0.52	4459	12.13	6.31	0.52	4735	11.22	5.83	0.52	4915																						
27	24	14.00	5.60	0.40	4499	12.86	5.14	0.40	4778	11.89	4.76	0.40	4959																						
27	26	14.70	4.12	0.28	4539	13.50	3.78	0.28	4820	12.49	3.50	0.28	5004																						
28	18	11.86	9.49	0.80	4380	10.89	8.71	0.80	4652	10.07	8.06	0.80	4828																						
28	20	12.46	8.47	0.68	4420	11.44	7.78	0.68	4694	10.58	7.20	0.68	4872																						
28	22	13.21	7.40	0.56	4459	12.13	6.79	0.56	4735	11.22	6.28	0.56	4915																						

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-5.0UFE1NH+RAS-5.0UFESMH1

CAPACITY: 12.10 kW SHF: 0.70 INPUT: 4400 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	9.93	4.37	0.44	1331	9.93	4.37	0.44	1463	9.93	4.37	0.44	1595	11.03	4.85	0.44	1683	11.03	4.85	0.44	1859	16.78	7.38	0.44	3672	16.05	7.06	0.44	3861	15.44	6.79	0.44	4039	14.84	6.53	0.44	4225
28	26	10.42	3.34	0.32	1371	10.42	3.34	0.32	1503	10.42	3.34	0.32	1635	11.58	3.71	0.32	1723	11.58	3.71	0.32	1899	17.62	5.64	0.32	3704	16.86	5.39	0.32	3895	16.21	5.19	0.32	4075	15.59	4.99	0.32	4262
29	18	8.41	6.89	0.82	1212	8.41	6.89	0.82	1344	8.41	6.89	0.82	1476	9.34	7.66	0.82	1564	9.34	7.66	0.82	1740	14.21	11.65	0.82	3575	13.60	11.15	0.82	3759	13.07	10.72	0.82	3932	12.57	10.31	0.82	4113
29	20	8.84	6.36	0.72	1252	8.84	6.36	0.72	1384	8.84	6.36	0.72	1516	9.81	7.07	0.72	1604	9.81	7.07	0.72	1780	14.93	10.75	0.72	3607	14.29	10.29	0.72	3793	13.74	9.89	0.72	3968	13.21	9.51	0.72	4150
29	22	9.37	5.62	0.60	1291	9.37	5.62	0.60	1423	9.37	5.62	0.60	1555	10.40	6.24	0.60	1643	10.40	6.24	0.60	1819	15.83	9.50	0.60	3639	15.15	9.09	0.60	3827	14.56	8.74	0.60	4003	14.00	8.40	0.60	4187
29	24	9.93	4.77	0.48	1331	9.93	4.77	0.48	1463	9.93	4.77	0.48	1595	11.03	5.29	0.48	1683	11.03	5.29	0.48	1859	16.78	8.05	0.48	3672	16.05	7.71	0.48	3861	15.44	7.41	0.48	4039	14.84	7.12	0.48	4225
29	26	10.42	3.75	0.36	1371	10.42	3.75	0.36	1503	10.42	3.75	0.36	1635	11.58	4.17	0.36	1723	11.58	4.17	0.36	1899	17.62	6.34	0.36	3704	16.86	6.07	0.36	3895	16.21	5.84	0.36	4075	15.59	5.61	0.36	4262
30	18	8.41	6.89	0.82	1212	8.41	6.89	0.82	1344	8.41	6.89	0.82	1476	9.34	7.66	0.82	1564	9.34	7.66	0.82	1740	14.21	11.65	0.82	3575	13.60	11.15	0.82	3759	13.07	10.72	0.82	3932	12.57	10.31	0.82	4113
30	20	8.84	6.72	0.76	1252	8.84	6.72	0.76	1384	8.84	6.72	0.76	1516	9.81	7.46	0.76	1604	9.81	7.46	0.76	1780	14.93	11.35	0.76	3607	14.29	10.86	0.76	3793	13.74	10.44	0.76	3968	13.21	10.04	0.76	4150
30	22	9.37	5.99	0.64	1291	9.37	5.99	0.64	1423	9.37	5.99	0.64	1555	10.40	6.66	0.64	1643	10.40	6.66	0.64	1819	15.83	10.13	0.64	3639	15.15	9.69	0.64	3827	14.56	9.32	0.64	4003	14.00	8.96	0.64	4187
30	24	9.93	5.16	0.52	1331	9.93	5.16	0.52	1463	9.93	5.16	0.52	1595	11.03	5.73	0.52	1683	11.03	5.73	0.52	1859	16.78	8.72	0.52	3672	16.05	8.35	0.52	3861	15.44	8.03	0.52	4039	14.84	7.72	0.52	4225
30	26	10.42	4.17	0.40	1371	10.42	4.17	0.40	1503	10.42	4.17	0.40	1635	11.58	4.63	0.40	1723	11.58	4.63	0.40	1899	17.62	7.05	0.40	3704	16.86	6.74	0.40	3895	16.21	6.48	0.40	4075	15.59	6.23	0.40	4262
31	18	8.41	6.89	0.82	1212	8.41	6.89	0.82	1344	8.41	6.89	0.82	1476	9.34	7.66	0.82	1564	9.34	7.66	0.82	1740	14.21	11.65	0.82	3575	13.60	11.15	0.82	3759	13.07	10.72	0.82	3932	12.57	10.31	0.82	4113
31	20	8.84	7.07	0.80	1252	8.84	7.07	0.80	1384	8.84	7.07	0.80	1516	9.81	7.85	0.80	1604	9.81	7.85	0.80	1780	14.93	11.95	0.80	3607	14.29	11.43	0.80	3793	13.74	10.99	0.80	3968	13.21	10.57	0.80	4150
31	22	9.37	6.37	0.68	1291	9.37	6.37	0.68	1423	9.37	6.37	0.68	1555	10.40	7.07	0.68	1643	10.40	7.07	0.68	1819	15.83	10.76	0.68	3639	15.15	10.30	0.68	3827	14.56	9.90	0.68	4003	14.00	9.52	0.68	4187
31	24	9.93	5.56	0.56	1331	9.93	5.56	0.56	1463	9.93	5.56	0.56	1595	11.03	6.18	0.56	1683	11.03	6.18	0.56	1859	16.78	9.40	0.56	3672	16.05	8.99	0.56	3861	15.44	8.64	0.56	4039	14.84	8.31	0.56	4225
31	26	10.42	4.59	0.44	1371	10.42	4.59	0.44	1503	10.42	4.59	0.44	1635	11.58	5.09	0.44	1723	11.58	5.09	0.44	1899	17.62	7.75	0.44	3704	16.86	7.42	0.44	3895	16.21	7.13	0.44	4075	15.59	6.86	0.44	4262
32	18	8.41	6.89	0.82	1212	8.41	6.89	0.82	1344	8.41	6.89	0.82	1476	9.34	7.66	0.82	1564	9.34	7.66	0.82	1740	14.21	11.65	0.82	3575	13.60	11.15	0.82	3759	13.07	10.72	0.82	3932	12.57	10.31	0.82	4113
32	20	8.84	7.25	0.82	1252	8.84	7.25	0.82	1384	8.84	7.25	0.82	1516	9.81	8.05	0.82	1604	9.81	8.05	0.82	1780	14.93	12.24	0.82	3607	14.29	11.72	0.82	3793	13.74	11.27	0.82	3968	13.21	10.83	0.82	4150
32	22	9.37	6.74	0.72	1291	9.37	6.74	0.72	1423	9.37	6.74	0.72	1555	10.40	7.49	0.72	1643	10.40	7.49	0.72	1819	15.83	11.40	0.72	3639	15.15	10.91	0.72	3827	14.56	10.49	0.72	4003	14.00	10.08	0.72	4187
32	24	9.93	5.96	0.60	1331	9.93	5.96	0.60	1463	9.93	5.96	0.60	1595	11.03	6.62	0.60	1683	11.03	6.62	0.60	1859	16.78	10.07	0.60	3672	16.05	9.63	0.60	3861	15.44	9.26	0.60	4039	14.84	8.91	0.60	4225
32	26	10.42	5.00	0.48	1371	10.42	5.00	0.48	1503	10.42	5.00	0.48	1635	11.58	5.56	0.48	1723	11.58	5.56	0.48	1899	17.62	8.46	0.48	3704	16.86	8.09	0.48	3895	16.21	7.78	0.48	4075	15.59	7.48	0.48	4262

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
28	24	14.00	6.16	0.44	4499	12.86	5.66	0.44	4778	11.89	5.23	0.44	4959																						
28	26	14.70	4.71	0.32	4539	13.50	4.32	0.32	4820	12.49	4.00	0.32	5004																						
29	18	11.86	9.72	0.82	4380	10.89	8.93	0.82	4652	10.07	8.26	0.82	4828																						
29	20	12.46	8.97	0.72	4420	11.44	8.24	0.72	4694	10.58	7.62	0.72	4872																						
29	22	13.21	7.93	0.60	4459	12.13	7.28	0.60	4735	11.22	6.73	0.60	4915																						
29	24	14.00	6.72	0.48	4499	12.86	6.17	0.48	4778	11.89	5.71	0.48	4959																						
29	26	14.70	5.29	0.36	4539	13.50	4.86	0.36	4820	12.49	4.49	0.36	5004																						
30	18	11.86	9.72	0.82	4380	10.89	8.93	0.82	4652	10.07	8.26	0.82	4828																						
30	20	12.46	9.47	0.76	4420	11.44	8.70	0.76	4694	10.58	8.04	0.76	4872																						
30	22	13.21	8.45	0.64	4459	12.13	7.76	0.64	4735	11.22	7.18	0.64	4915																						
30	24	14.00	7.28	0.52	4499	12.86	6.68	0.52	4778	11.89	6.18	0.52	4959																						
30	26	14.70	5.88	0.40	4539	13.50	5.40	0.40	4820	12.49	4.99	0.40	5004																						
31	18	11.86	9.72	0.82	4380	10.89	8.93	0.82	4652	10.07	8.26	0.82	4828																						
31	20	12.46	9.97	0.80	4420	11.44	9.15	0.80	4694	10.58	8.47	0.80	4872																						
31	22	13.21	8.98	0.68	4459	12.13	8.25	0.68	4735	11.22	7.63	0.68	4915																						
31	24	14.00	7.84	0.56	4499	12.86	7.20	0.56	4778	11.89	6.66	0.56	4959																						
31	26	14.70	6.47	0.44	4539	13.50	5.94	0.44	4820	12.49	5.49	0.44	5004																						
32	18	11.86	9.72	0.82	4380	10.89	8.93	0.82	4652	10.07	8.26	0.82	4828																						
32	20	12.46	10.22	0.82	4420	11.44	9.38	0.82	4694	10.58	8.68	0.82	4872																						
32	22	13.21	9.51	0.72	4459	12.13	8.73	0.72	4735	11.22	8.08	0.72	4915																						
32	24	14.00	8.40	0.60	4499	12.86	7.71	0.60	4778	11.89	7.13	0.60	4959																						
32	26	14.70	7.06	0.48	4539	13.50	6.48	0.48	4820	12.49	5.99	0.48	5004																						

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-6.0UFE1NH+RAS-6.0UFESNH1

CAPACITY: 14.00 kW SHF: 0.75 INPUT: 5150 W

OUTDOOR DB (°C)

INDOOR DB (°C)	INDOOR WB (°C)	-15				-7				0				10			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	9.73	5.54	0.57	1422	9.73	5.54	0.57	1577	9.73	5.54	0.57	1731	10.80	6.16	0.57	1834
21	20	10.22	4.60	0.45	1462	10.22	4.60	0.45	1617	10.22	4.60	0.45	1771	11.36	5.11	0.45	1874
22	18	9.73	5.93	0.61	1422	9.73	5.93	0.61	1577	9.73	5.93	0.61	1731	10.80	6.59	0.61	1834
22	20	10.22	5.01	0.49	1462	10.22	5.01	0.49	1617	10.22	5.01	0.49	1771	11.36	5.56	0.49	1874
22	22	10.84	4.01	0.37	1501	10.84	4.01	0.37	1656	10.84	4.01	0.37	1810	12.04	4.45	0.37	1913
23	18	9.73	6.32	0.65	1422	9.73	6.32	0.65	1577	9.73	6.32	0.65	1731	10.80	7.02	0.65	1834
23	20	10.22	5.42	0.53	1462	10.22	5.42	0.53	1617	10.22	5.42	0.53	1771	11.36	6.02	0.53	1874
23	22	10.84	4.44	0.41	1501	10.84	4.44	0.41	1656	10.84	4.44	0.41	1810	12.04	4.94	0.41	1913
24	18	9.73	6.71	0.69	1422	9.73	6.71	0.69	1577	9.73	6.71	0.69	1731	10.80	7.46	0.69	1834
24	20	10.22	5.83	0.57	1462	10.22	5.83	0.57	1617	10.22	5.83	0.57	1771	11.36	6.47	0.57	1874
24	22	10.84	4.88	0.45	1501	10.84	4.88	0.45	1656	10.84	4.88	0.45	1810	12.04	5.42	0.45	1913
24	24	11.49	3.79	0.33	1541	11.49	3.79	0.33	1696	11.49	3.79	0.33	1850	12.76	4.21	0.33	1953
25	18	9.73	7.10	0.73	1422	9.73	7.10	0.73	1577	9.73	7.10	0.73	1731	10.80	7.89	0.73	1834
25	20	10.22	6.24	0.61	1462	10.22	6.24	0.61	1617	10.22	6.24	0.61	1771	11.36	6.93	0.61	1874
25	22	10.84	5.31	0.49	1501	10.84	5.31	0.49	1656	10.84	5.31	0.49	1810	12.04	5.90	0.49	1913
25	24	11.49	4.25	0.37	1541	11.49	4.25	0.37	1696	11.49	4.25	0.37	1850	12.76	4.72	0.37	1953
26	18	9.73	7.49	0.77	1422	9.73	7.49	0.77	1577	9.73	7.49	0.77	1731	10.80	8.32	0.77	1834
26	20	10.22	6.65	0.65	1462	10.22	6.65	0.65	1617	10.22	6.65	0.65	1771	11.36	7.38	0.65	1874
26	22	10.84	5.74	0.53	1501	10.84	5.74	0.53	1656	10.84	5.74	0.53	1810	12.04	6.38	0.53	1913
26	24	11.49	4.71	0.41	1541	11.49	4.71	0.41	1696	11.49	4.71	0.41	1850	12.76	5.23	0.41	1953
26	26	12.06	3.50	0.29	1581	12.06	3.50	0.29	1736	12.06	3.50	0.29	1890	13.40	3.89	0.29	1993
27	18	9.73	7.88	0.81	1422	9.73	7.88	0.81	1577	9.73	7.88	0.81	1731	10.80	8.75	0.81	1834
27	19	9.93	7.44	0.75	1442	9.93	7.44	0.75	1597	9.93	7.44	0.75	1751	11.03	8.27	0.75	1854
27	20	10.22	7.05	0.69	1462	10.22	7.05	0.69	1617	10.22	7.05	0.69	1771	11.36	7.84	0.69	1874
27	22	10.84	6.18	0.57	1501	10.84	6.18	0.57	1656	10.84	6.18	0.57	1810	12.04	6.86	0.57	1913
27	24	11.49	5.17	0.45	1541	11.49	5.17	0.45	1696	11.49	5.17	0.45	1850	12.76	5.74	0.45	1953
27	26	12.06	3.98	0.33	1581	12.06	3.98	0.33	1736	12.06	3.98	0.33	1890	13.40	4.42	0.33	1993
28	18	9.73	8.27	0.85	1422	9.73	8.27	0.85	1577	9.73	8.27	0.85	1731	10.80	9.18	0.85	1834
28	20	10.22	7.46	0.73	1462	10.22	7.46	0.73	1617	10.22	7.46	0.73	1771	11.36	8.29	0.73	1874
28	22	10.84	6.61	0.61	1501	10.84	6.61	0.61	1656	10.84	6.61	0.61	1810	12.04	7.34	0.61	1913

INDOOR DB (°C)	INDOOR WB (°C)	15				21				25				27			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	10.80	6.16	0.57	2040	16.44	9.37	0.57	4187	15.73	8.97	0.57	4402	15.12	8.62	0.57	4605
21	20	11.36	5.11	0.45	2080	17.28	7.77	0.45	4219	16.53	7.44	0.45	4437	15.90	7.15	0.45	4641
22	18	10.80	6.59	0.61	2040	16.44	10.03	0.61	4187	15.73	9.60	0.61	4402	15.12	9.23	0.61	4605
22	20	11.36	5.56	0.49	2080	17.28	8.47	0.49	4219	16.53	8.10	0.49	4437	15.90	7.79	0.49	4641
22	22	12.04	4.45	0.37	2119	18.31	6.78	0.37	4251	17.52	6.48	0.37	4470	16.85	6.23	0.37	4676
23	18	10.80	7.02	0.65	2040	16.44	10.68	0.65	4187	15.73	10.22	0.65	4402	15.12	9.83	0.65	4605
23	20	11.36	6.02	0.53	2080	17.28	9.16	0.53	4219	16.53	8.76	0.53	4437	15.90	8.43	0.53	4641
23	22	12.04	4.94	0.41	2119	18.31	7.51	0.41	4251	17.52	7.19	0.41	4470	16.85	6.91	0.41	4676
24	18	10.80	7.46	0.69	2040	16.44	11.34	0.69	4187	15.73	10.85	0.69	4402	15.12	10.44	0.69	4605
24	20	11.36	6.47	0.57	2080	17.28	9.85	0.57	4219	16.53	9.42	0.57	4437	15.90	9.06	0.57	4641
24	22	12.04	5.42	0.45	2119	18.31	8.24	0.45	4251	17.52	7.89	0.45	4470	16.85	7.58	0.45	4676
24	24	12.76	4.21	0.33	2159	19.41	6.41	0.33	4284	18.58	6.13	0.33	4505	17.86	5.89	0.33	4712
25	18	10.80	7.89	0.73	2040	16.44	12.00	0.73	4187	15.73	11.48	0.73	4402	15.12	11.04	0.73	4605
25	20	11.36	6.93	0.61	2080	17.28	10.54	0.61	4219	16.53	10.08	0.61	4437	15.90	9.70	0.61	4641
25	22	12.04	5.90	0.49	2119	18.31	8.97	0.49	4251	17.52	8.59	0.49	4470	16.85	8.26	0.49	4676
25	24	12.76	4.72	0.37	2159	19.41	7.18	0.37	4284	18.58	6.87	0.37	4505	17.86	6.61	0.37	4712
26	18	10.80	8.32	0.77	2040	16.44	12.66	0.77	4187	15.73	12.11	0.77	4402	15.12	11.65	0.77	4605
26	20	11.36	7.38	0.65	2080	17.28	11.23	0.65	4219	16.53	10.75	0.65	4437	15.90	10.33	0.65	4641
26	22	12.04	6.38	0.53	2119	18.31	9.71	0.53	4251	17.52	9.29	0.53	4470	16.85	8.93	0.53	4676
26	24	12.76	5.23	0.41	2159	19.41	7.96	0.41	4284	18.58	7.62	0.41	4505	17.86	7.32	0.41	4712
26	26	13.40	3.89	0.29	2199	20.38	5.91	0.29	4317	19.50	5.66	0.29	4539	18.75	5.44	0.29	4748
27	18	10.80	8.75	0.81	2040	16.44	13.31	0.81	4187	15.73	12.74	0.81	4402	15.12	12.25	0.81	4605
27	19	11.03	8.27	0.75	2060	16.77	12.58	0.75	4203	16.05	12.04	0.75	4420	15.43	11.58	0.75	4623
27	20	11.36	7.84	0.69	2080	17.28	11.92	0.69	4219	16.53	11.41	0.69	4437	15.90	10.97	0.69	4641
27	22	12.04	6.86	0.57	2119	18.31	10.44	0.57	4251	17.52	9.99	0.57	4470	16.85	9.60	0.57	4676
27	24	12.76	5.74	0.45	2159	19.41	8.74	0.45	4284	18.58	8.36	0.45	4505	17.86	8.04	0.45	4712
27	26	13.40	4.42	0.33	2199	20.38	6.73	0.33	4317	19.50	6.44	0.33	4539	18.75	6.19	0.33	4748
28	18	10.80	9.18	0.85	2040	16.44	13.97	0.85	4187	15.73	13.37	0.85	4402	15.12	12.86	0.85	4605
28	20	11.36	8.29	0.73	2080	17.28	12.61	0.73	4219	16.53	12.07	0.73	4437	15.90	11.60	0.73	4641
28	22	12.04	7.34	0.61	2119	18.31	11.17	0.61	4251	17.52	10.69	0.61	4470	16.85	10.28	0.61	4676

INDOOR DB (°C)	INDOOR WB (°C)	30				35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	14.54	8.29	0.57	4817	13.72	7.82	0.57	5130	12.59	7.18	0.57	5448	11.65	6.64	0.57	5655
21	20	15.29	6.88	0.45	4855	14.42	6.49	0.45	5170	13.24	5.96	0.45	5491	12.24	5.51	0.45	5699
22	18	14.54	8.87	0.61	4817	13.72	8.37	0.61	5130	12.59	7.68	0.61	5448	11.65	7.11	0.61	5655
22	20	15.29	7.49	0.49	4855	14.42	7.07	0.49	5170	13.24	6.49	0.49	5491	12.24	6.00	0.49	5699
22	22	16.20	5.99	0.37	4891	15.29	5.66	0.37	5209	14.03	5.19	0.37	5532	12.98	4.80	0.37	5742
23	18	14.54	9.45	0.65	4817	13.72	8.92	0.65	5130	12.59	8.19	0.65	5448	11.65	7.57	0.65	5655
23	20	15.29	8.10	0.53	4855	14.42	7.64	0.53	5170	13.24	7.02	0.53	5491	12.24	6.49	0.53	5699
23	22	16.20	6.64	0.41	4891	15.29	6.27	0.41	5209	14.03	5.75	0.41	5532	12.98	5.32	0.41	5742
24	18	14.54	10.03	0.69	4817	13.72	9.47	0.69	5130	12.59	8.69	0.69	5448	11.65	8.04	0.69	5655
24	20	15.29	8.71	0.57	4855	14.42	8.22	0.57	5170	13.24	7.55	0.57	5491	12.24	6.98	0.57	5699
24	22	16.20	7.29	0.45	4891	15.29	6.88	0.45	5209	14.03	6.31	0.45	5532	12.98	5.84	0.45	5742
24	24	17.17	5.67	0.33	4929	16.20	5.35	0.33	5249	14.87	4.91	0.33	5574	13.76	4.54	0.33	5786
25	18	14.54	10.62	0.73	4817	13.72	10.02	0.73	5130	12.59	9.19	0.73	5448	11.65	8.50	0.73	5655
25	20	15.29	9.32	0.61	4855	14.42	8.80	0.61	5170	13.24	8.07	0.61	5491	12.24	7.47	0.61	5699
25	22	16.20	7.94	0.49	4891	15.29	7.49	0.49	5209	14.03	6.88	0.49	5532	12.98	6.36	0.49	5742
25	24	17.17	6.35	0.37	4929	16.20	5.99	0.37	5249	14.87	5.50	0.37	5574	13.76	5.09	0.37	5786
26	18	14.54	11.20	0.77	4817	13.72	10.56	0.77	5130	12.59	9.70	0.77	5448	11.65	8.97	0.77	5655
26	20	15.29	9.94	0.65	4855	14.42	9.37	0.65	5170	13.24	8.60	0.65	5491	12.24	7.96	0.65	5699
26	22	16.20	8.59	0.53	4891	15.29	8.10	0.53	5209	14.03	7.44	0.53	5532	12.98	6.88	0.53	5742
26	24	17.17	7.04	0.41	4929	16.20	6.64	0.41	5249	14.87	6.10	0.41	5574	13.76	5.64	0.41	5786
26	26	18.03	5.23	0.29	4966	17.01	4.93	0.29	5289	15.62	4.53	0.29	5617	14.45	4.19	0.29	5830
27	18	14.54	11.78	0.81	4817	13.72	11.11	0.81	5130	12.59	10.20	0.81	5448	11.65	9.44	0.81	5655
27	19	14.84	11.13	0.75	4836	14.00	10.50	0.75	5150	12.85	9.64	0.75	5469	11.89	8.92	0.75	5677
27	20	15.29	10.55	0.69	4855	14.42	9.95	0.69	5170	13.24	9.13	0.69	5491	12.24	8.45	0.69	5699
27	22	16.20	9.24	0.57	4891	15.29	8.71	0.57	5209	14.03	8.00	0.57	5532	12.98	7.40	0.57	5742
27	24	17.17	7.73	0.45	4929	16.20	7.29	0.45	5249	14.87	6.69	0.45	5574	13.76	6.19	0.45	5786
27	26	18.03	5.95	0.33	4966	17.01	5.61	0.33	5289	15.62	5.15	0.33	5617	14.45	4.77	0.33	5830
28	18	14.54	12.36	0.85	4817	13.72	11.66	0.85	5130	12.59	10.71	0.85	5448	11.65	9.90	0.85	5655
28	20	15.29	11.16	0.73	4855	14.42	10.53	0.73	5170	13.24	9.66	0.73	5491	12.24	8.94	0.73	5699
28	22	16.20	9.88	0.61	4891	15.29	9.32	0.61	5209	14.03	8.56	0.61	5532	12.98	7.92	0.61	5742

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-6.0UFE1NH+RAS-6.0UFESNH1

CAPACITY: 14.00 kW SHF: 0.75 INPUT: 5150 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30				35				40				48			
		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	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
28	24	11.49	5.63	0.49	1541	11.49	5.63	0.49	1696	11.49	5.63	0.49	1850	12.76	6.25	0.49	1953	12.76	6.25	0.49	2159	19.41	9.51	0.49	4284	18.58	9.10	0.49	4505	17.86	8.75	0.49	4712	17.17	8.42	0.49	4929	16.20	7.94	0.49	5249	14.87	7.29	0.49	5574	13.76	6.74	0.49	5786
28	26	12.06	4.46	0.37	1581	12.06	4.46	0.37	1736	12.06	4.46	0.37	1890	13.40	4.96	0.37	1993	13.40	4.96	0.37	2199	20.38	7.54	0.37	4317	19.50	7.22	0.37	4539	18.75	6.94	0.37	4748	18.03	6.67	0.37	4966	17.01	6.29	0.37	5289	15.62	5.78	0.37	5617	14.45	5.35	0.37	5830
29	18	9.73	8.46	0.87	1422	9.73	8.46	0.87	1577	9.73	8.46	0.87	1731	10.80	9.40	0.87	1834	10.80	9.40	0.87	2040	16.44	14.30	0.87	4187	15.73	13.69	0.87	4402	15.12	13.16	0.87	4605	14.54	12.65	0.87	4817	13.72	11.94	0.87	5130	12.59	10.96	0.87	5448	11.65	10.14	0.87	5655
29	20	10.22	7.87	0.77	1462	10.22	7.87	0.77	1617	10.22	7.87	0.77	1771	11.36	8.74	0.77	1874	11.36	8.74	0.77	2080	17.28	13.30	0.77	4219	16.53	12.73	0.77	4437	15.90	12.24	0.77	4641	15.29	11.77	0.77	4855	14.42	11.10	0.77	5170	13.24	10.19	0.77	5491	12.24	9.43	0.77	5699
29	22	10.84	7.04	0.65	1501	10.84	7.04	0.65	1656	10.84	7.04	0.65	1810	12.04	7.82	0.65	1913	12.04	7.82	0.65	2119	18.31	11.90	0.65	4251	17.52	11.39	0.65	4470	16.85	10.95	0.65	4676	16.20	10.53	0.65	4891	15.29	9.94	0.65	5209	14.03	9.12	0.65	5532	12.98	8.44	0.65	5742
29	24	11.49	6.09	0.53	1541	11.49	6.09	0.53	1696	11.49	6.09	0.53	1850	12.76	6.76	0.53	1953	12.76	6.76	0.53	2159	19.41	10.29	0.53	4284	18.58	9.85	0.53	4505	17.86	9.47	0.53	4712	17.17	9.10	0.53	4929	16.20	8.59	0.53	5249	14.87	7.88	0.53	5574	13.76	7.29	0.53	5786
29	26	12.06	4.95	0.41	1581	12.06	4.95	0.41	1736	12.06	4.95	0.41	1890	13.40	5.49	0.41	1993	13.40	5.49	0.41	2199	20.38	8.36	0.41	4317	19.50	8.00	0.41	4539	18.75	7.69	0.41	4748	18.03	7.39	0.41	4966	17.01	6.98	0.41	5289	15.62	6.40	0.41	5617	14.45	5.92	0.41	5830
30	18	9.73	8.46	0.87	1422	9.73	8.46	0.87	1577	9.73	8.46	0.87	1731	10.80	9.40	0.87	1834	10.80	9.40	0.87	2040	16.44	14.30	0.87	4187	15.73	13.69	0.87	4402	15.12	13.16	0.87	4605	14.54	12.65	0.87	4817	13.72	11.94	0.87	5130	12.59	10.96	0.87	5448	11.65	10.14	0.87	5655
30	20	10.22	8.28	0.81	1462	10.22	8.28	0.81	1617	10.22	8.28	0.81	1771	11.36	9.20	0.81	1874	11.36	9.20	0.81	2080	17.28	13.99	0.81	4219	16.53	13.39	0.81	4437	15.90	12.88	0.81	4641	15.29	12.38	0.81	4855	14.42	11.68	0.81	5170	13.24	10.72	0.81	5491	12.24	9.92	0.81	5699
30	22	10.84	7.48	0.69	1501	10.84	7.48	0.69	1656	10.84	7.48	0.69	1810	12.04	8.31	0.69	1913	12.04	8.31	0.69	2119	18.31	12.64	0.69	4251	17.52	12.09	0.69	4470	16.85	11.63	0.69	4676	16.20	11.18	0.69	4891	15.29	10.55	0.69	5209	14.03	9.68	0.69	5532	12.98	8.96	0.69	5742
30	24	11.49	6.55	0.57	1541	11.49	6.55	0.57	1696	11.49	6.55	0.57	1850	12.76	7.27	0.57	1953	12.76	7.27	0.57	2159	19.41	11.06	0.57	4284	18.58	10.59	0.57	4505	17.86	10.18	0.57	4712	17.17	9.79	0.57	4929	16.20	9.24	0.57	5249	14.87	8.48	0.57	5574	13.76	7.84	0.57	5786
30	26	12.06	5.43	0.45	1581	12.06	5.43	0.45	1736	12.06	5.43	0.45	1890	13.40	6.03	0.45	1993	13.40	6.03	0.45	2199	20.38	9.17	0.45	4317	19.50	8.78	0.45	4539	18.75	8.44	0.45	4748	18.03	8.11	0.45	4966	17.01	7.66	0.45	5289	15.62	7.03	0.45	5617	14.45	6.50	0.45	5830
31	18	9.73	8.46	0.87	1422	9.73	8.46	0.87	1577	9.73	8.46	0.87	1731	10.80	9.40	0.87	1834	10.80	9.40	0.87	2040	16.44	14.30	0.87	4187	15.73	13.69	0.87	4402	15.12	13.16	0.87	4605	14.54	12.65	0.87	4817	13.72	11.94	0.87	5130	12.59	10.96	0.87	5448	11.65	10.14	0.87	5655
31	20	10.22	8.69	0.85	1462	10.22	8.69	0.85	1617	10.22	8.69	0.85	1771	11.36	9.65	0.85	1874	11.36	9.65	0.85	2080	17.28	14.68	0.85	4219	16.53	14.05	0.85	4437	15.90	13.51	0.85	4641	15.29	12.99	0.85	4855	14.42	12.26	0.85	5170	13.24	11.25	0.85	5491	12.24	10.41	0.85	5699
31	22	10.84	7.91	0.73	1501	10.84	7.91	0.73	1656	10.84	7.91	0.73	1810	12.04	8.79	0.73	1913	12.04	8.79	0.73	2119	18.31	13.37	0.73	4251	17.52	12.79	0.73	4470	16.85	12.30	0.73	4676	16.20	11.83	0.73	4891	15.29	11.16	0.73	5209	14.03	10.24	0.73	5532	12.98	9.47	0.73	5742
31	24	11.49	7.01	0.61	1541	11.49	7.01	0.61	1696	11.49	7.01	0.61	1850	12.76	7.78	0.61	1953	12.76	7.78	0.61	2159	19.41	11.84	0.61	4284	18.58	11.33	0.61	4505	17.86	10.90	0.61	4712	17.17	10.48	0.61	4929	16.20	9.88	0.61	5249	14.87	9.07	0.61	5574	13.76	8.39	0.61	5786
31	26	12.06	5.91	0.49	1581	12.06	5.91	0.49	1736	12.06	5.91	0.49	1890	13.40	6.56	0.49	1993	13.40	6.56	0.49	2199	20.38	9.99	0.49	4317	19.50	9.56	0.49	4539	18.75	9.19	0.49	4748	18.03	8.84	0.49	4966	17.01	8.34	0.49	5289	15.62	7.65	0.49	5617	14.45	7.08	0.49	5830
32	18	9.73	8.46	0.87	1422	9.73	8.46	0.87	1577	9.73	8.46	0.87	1731	10.80	9.40	0.87	1834	10.80	9.40	0.87	2040	16.44	14.30	0.87	4187	15.73	13.69	0.87	4402	15.12	13.16	0.87	4605	14.54	12.65	0.87	4817	13.72	11.94	0.87	5130	12.59	10.96	0.87	5448	11.65	10.14	0.87	5655
32	20	10.22	8.89	0.87	1462	10.22	8.89	0.87	1617	10.22	8.89	0.87	1771	11.36	9.88	0.87	1874	11.36	9.88	0.87	2080	17.28	15.03	0.87	4219	16.53	14.38	0.87	4437	15.90	13.83	0.87	4641	15.29	13.30	0.87	4855	14.42	12.55	0.87	5170	13.24	11.52	0.87	5491	12.24	10.65	0.87	5699
32	22	10.84	8.34	0.77	1501	10.84	8.34	0.77	1656	10.84	8.34	0.77	1810	12.04	9.27	0.77	1913	12.04	9.27	0.77	2119	18.31	14.10	0.77	4251	17.52	13.49	0.77	4470	16.85	12.97	0.77	4676	16.20	12.48	0.77	4891	15.29	11.77	0.77	5209	14.03	10.80	0.77	5532	12.98	9.99	0.77	5742
32	24	11.49	7.47	0.65	1541	11.49	7.47	0.65	1696	11.49	7.47	0.65	1850	12.76	8.29	0.65	1953	12.76	8.29	0.65	2159	19.41	12.62	0.65	4284	18.58	12.07	0.65	4505	17.86	11.61	0.65	4712	17.17	11.16	0.65	4929	16.20	10.53	0.65	5249	14.87	9.67	0.65	5574	13.76	8.94	0.65	5786
32	26	12.06	6.39	0.53	1581	12.06	6.39	0.53	1736	12.06	6.39	0.53	1890	13.40	7.10	0.53	1993	13.40	7.10	0.53	2199	20.38	10.80	0.53	4317	19.50	10.34	0.53	4539	18.75	9.94	0.53	4748	18.03	9.56	0.53	4966	17.01	9.02	0.53	5289	15.62	8.28	0.53	5617	14.45	7.66	0.53	5830

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-6.0UFE1NH+RAS-6.0UFESMH1

CAPACITY: 13.76 kW SHF: 0.75 INPUT: 5000 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	9.56	5.45	0.57	1380	9.56	5.45	0.57	1530	9.56	5.45	0.57	1680	10.62	6.05	0.57	1780	10.62	6.05	0.57	1980	16.16	9.21	0.57	4064	15.46	8.81	0.57	4274	14.87	8.47	0.57	4470	14.29	8.15	0.57	4676
21	20	10.05	4.52	0.45	1420	10.05	4.52	0.45	1570	10.05	4.52	0.45	1720	11.16	5.02	0.45	1820	11.16	5.02	0.45	2020	16.98	7.64	0.45	4097	16.25	7.31	0.45	4308	15.62	7.03	0.45	4506	15.02	6.76	0.45	4714
22	18	9.56	5.83	0.61	1380	9.56	5.83	0.61	1530	9.56	5.83	0.61	1680	10.62	6.48	0.61	1780	10.62	6.48	0.61	1980	16.16	9.86	0.61	4064	15.46	9.43	0.61	4274	14.87	9.07	0.61	4470	14.29	8.72	0.61	4676
22	20	10.05	4.92	0.49	1420	10.05	4.92	0.49	1570	10.05	4.92	0.49	1720	11.16	5.47	0.49	1820	11.16	5.47	0.49	2020	16.98	8.32	0.49	4097	16.25	7.96	0.49	4308	15.62	7.66	0.49	4506	15.02	7.36	0.49	4714
22	22	10.65	3.94	0.37	1459	10.65	3.94	0.37	1609	10.65	3.94	0.37	1759	11.83	4.38	0.37	1859	11.83	4.38	0.37	2059	18.00	6.66	0.37	4129	17.22	6.37	0.37	4342	16.56	6.13	0.37	4541	15.92	5.89	0.37	4750
23	18	9.56	6.21	0.65	1380	9.56	6.21	0.65	1530	9.56	6.21	0.65	1680	10.62	6.90	0.65	1780	10.62	6.90	0.65	1980	16.16	10.50	0.65	4064	15.46	10.05	0.65	4274	14.87	9.66	0.65	4470	14.29	9.29	0.65	4676
23	20	10.05	5.33	0.53	1420	10.05	5.33	0.53	1570	10.05	5.33	0.53	1720	11.16	5.92	0.53	1820	11.16	5.92	0.53	2020	16.98	9.00	0.53	4097	16.25	8.61	0.53	4308	15.62	8.28	0.53	4506	15.02	7.96	0.53	4714
23	22	10.65	4.37	0.41	1459	10.65	4.37	0.41	1609	10.65	4.37	0.41	1759	11.83	4.85	0.41	1859	11.83	4.85	0.41	2059	18.00	7.38	0.41	4129	17.22	7.06	0.41	4342	16.56	6.79	0.41	4541	15.92	6.53	0.41	4750
24	18	9.56	6.60	0.69	1380	9.56	6.60	0.69	1530	9.56	6.60	0.69	1680	10.62	7.33	0.69	1780	10.62	7.33	0.69	1980	16.16	11.15	0.69	4064	15.46	10.67	0.69	4274	14.87	10.26	0.69	4470	14.29	9.86	0.69	4676
24	20	10.05	5.73	0.57	1420	10.05	5.73	0.57	1570	10.05	5.73	0.57	1720	11.16	6.36	0.57	1820	11.16	6.36	0.57	2020	16.98	9.68	0.57	4097	16.25	9.26	0.57	4308	15.62	8.91	0.57	4506	15.02	8.56	0.57	4714
24	22	10.65	4.79	0.45	1459	10.65	4.79	0.45	1609	10.65	4.79	0.45	1759	11.83	5.32	0.45	1859	11.83	5.32	0.45	2059	18.00	8.10	0.45	4129	17.22	7.75	0.45	4342	16.56	7.45	0.45	4541	15.92	7.17	0.45	4750
24	24	11.29	3.73	0.33	1499	11.29	3.73	0.33	1649	11.29	3.73	0.33	1799	12.54	4.14	0.33	1899	12.54	4.14	0.33	2099	19.08	6.30	0.33	4161	18.26	6.02	0.33	4376	17.56	5.79	0.33	4577	16.88	5.57	0.33	4788
25	18	9.56	6.98	0.73	1380	9.56	6.98	0.73	1530	9.56	6.98	0.73	1680	10.62	7.75	0.73	1780	10.62	7.75	0.73	1980	16.16	11.79	0.73	4064	15.46	11.29	0.73	4274	14.87	10.85	0.73	4470	14.29	10.43	0.73	4676
25	20	10.05	6.13	0.61	1420	10.05	6.13	0.61	1570	10.05	6.13	0.61	1720	11.16	6.81	0.61	1820	11.16	6.81	0.61	2020	16.98	10.36	0.61	4097	16.25	9.91	0.61	4308	15.62	9.53	0.61	4506	15.02	9.16	0.61	4714
25	22	10.65	5.22	0.49	1459	10.65	5.22	0.49	1609	10.65	5.22	0.49	1759	11.83	5.80	0.49	1859	11.83	5.80	0.49	2059	18.00	8.82	0.49	4129	17.22	8.44	0.49	4342	16.56	8.12	0.49	4541	15.92	7.80	0.49	4750
25	24	11.29	4.18	0.37	1499	11.29	4.18	0.37	1649	11.29	4.18	0.37	1799	12.54	4.64	0.37	1899	12.54	4.64	0.37	2099	19.08	7.06	0.37	4161	18.26	6.76	0.37	4376	17.56	6.50	0.37	4577	16.88	6.25	0.37	4788
26	18	9.56	7.36	0.77	1380	9.56	7.36	0.77	1530	9.56	7.36	0.77	1680	10.62	8.18	0.77	1780	10.62	8.18	0.77	1980	16.16	12.44	0.77	4064	15.46	11.90	0.77	4274	14.87	11.45	0.77	4470	14.29	11.01	0.77	4676
26	20	10.05	6.53	0.65	1420	10.05	6.53	0.65	1570	10.05	6.53	0.65	1720	11.16	7.25	0.65	1820	11.16	7.25	0.65	2020	16.98	11.04	0.65	4097	16.25	10.56	0.65	4308	15.62	10.16	0.65	4506	15.02	9.77	0.65	4714
26	22	10.65	5.65	0.53	1459	10.65	5.65	0.53	1609	10.65	5.65	0.53	1759	11.83	6.27	0.53	1859	11.83	6.27	0.53	2059	18.00	9.54	0.53	4129	17.22	9.13	0.53	4342	16.56	8.78	0.53	4541	15.92	8.44	0.53	4750
26	24	11.29	4.63	0.41	1499	11.29	4.63	0.41	1649	11.29	4.63	0.41	1799	12.54	5.14	0.41	1899	12.54	5.14	0.41	2099	19.08	7.82	0.41	4161	18.26	7.49	0.41	4376	17.56	7.20	0.41	4577	16.88	6.92	0.41	4788
26	26	11.86	3.44	0.29	1539	11.86	3.44	0.29	1689	11.86	3.44	0.29	1839	13.17	3.82	0.29	1939	13.17	3.82	0.29	2139	20.03	5.81	0.29	4194	19.17	5.56	0.29	4410	18.43	5.35	0.29	4613	17.72	5.14	0.29	4826
27	18	9.56	7.74	0.81	1380	9.56	7.74	0.81	1530	9.56	7.74	0.81	1680	10.62	8.60	0.81	1780	10.62	8.60	0.81	1980	16.16	13.09	0.81	4064	15.46	12.52	0.81	4274	14.87	12.04	0.81	4470	14.29	11.58	0.81	4676
27	19	9.76	7.32	0.75	1400	9.76	7.32	0.75	1550	9.76	7.32	0.75	1700	10.84	8.13	0.75	1800	10.84	8.13	0.75	2000	16.49	12.36	0.75	4081	15.78	11.83	0.75	4291	15.17	11.38	0.75	4488	14.59	10.94	0.75	4695
27	20	10.05	6.93	0.69	1420	10.05	6.93	0.69	1570	10.05	6.93	0.69	1720	11.16	7.70	0.69	1820	11.16	7.70	0.69	2020	16.98	11.72	0.69	4097	16.25	11.21	0.69	4308	15.62	10.78	0.69	4506	15.02	10.37	0.69	4714
27	22	10.65	6.07	0.57	1459	10.65	6.07	0.57	1609	10.65	6.07	0.57	1759	11.83	6.74	0.57	1859	11.83	6.74	0.57	2059	18.00	10.26	0.57	4129	17.22	9.82	0.57	4342	16.56	9.44	0.57	4541	15.92	9.08	0.57	4750
27	24	11.29	5.08	0.45	1499	11.29	5.08	0.45	1649	11.29	5.08	0.45	1799	12.54	5.64	0.45	1899	12.54	5.64	0.45	2099	19.08	8.59	0.45	4161	18.26	8.22	0.45	4376	17.56	7.90	0.45	4577	16.88	7.60	0.45	4788
27	26	11.86	3.91	0.33	1539	11.86	3.91	0.33	1689	11.86	3.91	0.33	1839	13.17	4.35	0.33	1939	13.17	4.35	0.33	2139	20.03	6.61	0.33	4194	19.17	6.33	0.33	4410	18.43	6.08	0.33	4613	17.72	5.85	0.33	4826
28	18	9.56	8.13	0.85	1380	9.56	8.13	0.85	1530	9.56	8.13	0.85	1680	10.62	9.03	0.85	1780	10.62	9.03	0.85	1980	16.16	13.73	0.85	4064	15.46	13.14	0.85	4274	14.87	12.64	0.85	4470	14.29	12.15	0.85	4676
28	20	10.05	7.34	0.73	1420	10.05	7.34	0.73	1570	10.05	7.34	0.73	1720	11.16	8.15	0.73	1820	11.16	8.15	0.73	2020	16.98	12.40	0.73	4097	16.25	11.86	0.73	4308	15.62	11.41	0.73	4506	15.02	10.97	0.73	4714
28	22	10.65	6.50	0.61	1459	10.65	6.50	0.61	1609	10.65	6.50	0.61	1759	11.83	7.22	0.61	1859	11.83	7.22	0.61	2059	18.00	10.98	0.61	4129	17.22	10.51	0.61	4342	16.56	10.10	0.61	4541	15.92	9.71	0.61	4750

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				48			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	13.48	7.69	0.57	4980	12.38	7.06	0.57	5289	11.45	6.53	0.57	5490
21	20	14.17	6.38	0.45	5020	13.01	5.85	0.45	5331	12.03	5.42	0.45	5534
22	18	13.48	8.23	0.61	4980	12.38	7.55	0.61	5289	11.45	6.98	0.61	5490
22	20	14.17	6.94	0.49	5020	13.01	6.38	0.49	5331	12.03	5.90	0.49	5534
22	22	15.02	5.56	0.37	5059	13.79	5.10	0.37	5373	12.76	4.72	0.37	5577
23	18	13.48	8.77	0.65	4980	12.38	8.05	0.65	5289	11.45	7.44	0.65	5490
23	20	14.17	7.51	0.53	5020	13.01	6.90	0.53	5331	12.03	6.38	0.53	5534
23	22	15.02	6.16	0.41	5059	13.79	5.65	0.41	5373	12.76	5.23	0.41	5577
24	18	13.48	9.30	0.69	4980	12.38	8.54	0.69	5289	11.45	7.90	0.69	5490
24	20	14.17	8.08	0.57	5020	13.01	7.42	0.57	5331	12.03	6.86	0.57	5534
24	22	15.02	6.76	0.45	5059	13.79	6.21	0.45	5373	12.76	5.74	0.45	5577
24	24	15.92	5.26	0.33	5099	14.62	4.82	0.33	5415	13.52	4.46	0.33	5621
25	18	13.48	9.84	0.73	4980	12.38	9.04	0.73	5289	11.45	8.36	0.73	5490
25	20	14.17	8.65	0.61	5020	13.01	7.94	0.61	5331	12.03	7.34	0.61	5534
25	22	15.02	7.36	0.49	5059	13.79	6.76	0.49	5373	12.76	6.25	0.49	5577
25	24	15.92	5.89	0.37	5099	14.62	5.41	0.37	5415	13.52	5.00	0.37	5621
26	18	13.48	10.38	0.77	4980	12.38	9.53	0.77	5289	11.45	8.82	0.77	5490
26	20	14.17	9.21	0.65	5020	13.01	8.46	0.65	5331	12.03	7.82	0.65	5534
26	22	15.02	7.96	0.53	5059	13.79	7.31	0.53	5373	12.76	6.76	0.53	5577
26	24	15.92	6.53	0.41	5099	14.62	5.99	0.41	5415	13.52	5.54	0.41	5621
26	26	16.72	4.85	0.29	5139	15.35	4.45	0.29	5458	14.20	4.12	0.29	5665
27	18	13.48	10.92	0.81	4980	12.38	10.03	0.81	5289	11.45	9.28	0.81	5490
27	19	13.76	10.32	0.75	5000	12.63	9.47	0.75	5310	11.68	8.76	0.75	5512
27	20	14.17	9.78	0.69	5020	13.01	8.98	0.69	5331	12.03	8.30	0.69	5534
27	22	15.02	8.56	0.57	5059	13.79	7.86	0.57	5373	12.76	7.27	0.57	5577
27	24	15.92	7.17	0.45	5099	14.62	6.58	0.45	5415	13.52	6.09	0.45	5621
27	26	16.72	5.52	0.33	5139	15.35	5.07	0.33	5458	14.20	4.69	0.33	5665
28	18	13.48	11.46	0.85	4980	12.38	10.52	0.85	5289	11.45	9.73	0.85	5490
28	20	14.17	10.35	0.73	5020	13.01	9.50	0.73	5331	12.03	8.79	0.73	5534
28	22	15.02	9.16	0.61	5059	13.79	8.41	0.61	5373	12.76	7.78	0.61	5577

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-6.0UFE1NH+RAS-6.0UFESMH1

CAPACITY: 13.76 kW SHF: 0.75 INPUT: 5000 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	11.29	5.53	0.49	1499	11.29	5.53	0.49	1649	11.29	5.53	0.49	1799	12.54	6.14	0.49	1899	12.54	6.14	0.49	2099	19.08	9.35	0.49	4161	18.26	8.95	0.49	4376	17.56	8.60	0.49	4577	16.88	8.27	0.49	4788
28	26	11.86	4.39	0.37	1539	11.86	4.39	0.37	1689	11.86	4.39	0.37	1839	13.17	4.87	0.37	1939	13.17	4.87	0.37	2139	20.03	7.41	0.37	4194	19.17	7.09	0.37	4410	18.43	6.82	0.37	4613	17.72	6.56	0.37	4826
29	18	9.56	8.32	0.87	1380	9.56	8.32	0.87	1530	9.56	8.32	0.87	1680	10.62	9.24	0.87	1780	10.62	9.24	0.87	1980	16.16	14.06	0.87	4064	15.46	13.45	0.87	4274	14.87	12.93	0.87	4470	14.29	12.44	0.87	4676
29	20	10.05	7.74	0.77	1420	10.05	7.74	0.77	1570	10.05	7.74	0.77	1720	11.16	8.59	0.77	1820	11.16	8.59	0.77	2020	16.98	13.07	0.77	4097	16.25	12.51	0.77	4308	15.62	12.03	0.77	4506	15.02	11.57	0.77	4714
29	22	10.65	6.92	0.65	1459	10.65	6.92	0.65	1609	10.65	6.92	0.65	1759	11.83	7.69	0.65	1859	11.83	7.69	0.65	2059	18.00	11.70	0.65	4129	17.22	11.20	0.65	4342	16.56	10.77	0.65	4541	15.92	10.35	0.65	4750
29	24	11.29	5.98	0.53	1499	11.29	5.98	0.53	1649	11.29	5.98	0.53	1799	12.54	6.65	0.53	1899	12.54	6.65	0.53	2099	19.08	10.11	0.53	4161	18.26	9.68	0.53	4376	17.56	9.30	0.53	4577	16.88	8.95	0.53	4788
29	26	11.86	4.86	0.41	1539	11.86	4.86	0.41	1689	11.86	4.86	0.41	1839	13.17	5.40	0.41	1939	13.17	5.40	0.41	2139	20.03	8.21	0.41	4194	19.17	7.86	0.41	4410	18.43	7.56	0.41	4613	17.72	7.27	0.41	4826
30	18	9.56	8.32	0.87	1380	9.56	8.32	0.87	1530	9.56	8.32	0.87	1680	10.62	9.24	0.87	1780	10.62	9.24	0.87	1980	16.16	14.06	0.87	4064	15.46	13.45	0.87	4274	14.87	12.93	0.87	4470	14.29	12.44	0.87	4676
30	20	10.05	8.14	0.81	1420	10.05	8.14	0.81	1570	10.05	8.14	0.81	1720	11.16	9.04	0.81	1820	11.16	9.04	0.81	2020	16.98	13.75	0.81	4097	16.25	13.16	0.81	4308	15.62	12.66	0.81	4506	15.02	12.17	0.81	4714
30	22	10.65	7.35	0.69	1459	10.65	7.35	0.69	1609	10.65	7.35	0.69	1759	11.83	8.16	0.69	1859	11.83	8.16	0.69	2059	18.00	12.42	0.69	4129	17.22	11.88	0.69	4342	16.56	11.43	0.69	4541	15.92	10.99	0.69	4750
30	24	11.29	6.44	0.57	1499	11.29	6.44	0.57	1649	11.29	6.44	0.57	1799	12.54	7.15	0.57	1899	12.54	7.15	0.57	2099	19.08	10.88	0.57	4161	18.26	10.41	0.57	4376	17.56	10.01	0.57	4577	16.88	9.62	0.57	4788
30	26	11.86	5.33	0.45	1539	11.86	5.33	0.45	1689	11.86	5.33	0.45	1839	13.17	5.93	0.45	1939	13.17	5.93	0.45	2139	20.03	9.01	0.45	4194	19.17	8.63	0.45	4410	18.43	8.29	0.45	4613	17.72	7.98	0.45	4826
31	18	9.56	8.32	0.87	1380	9.56	8.32	0.87	1530	9.56	8.32	0.87	1680	10.62	9.24	0.87	1780	10.62	9.24	0.87	1980	16.16	14.06	0.87	4064	15.46	13.45	0.87	4274	14.87	12.93	0.87	4470	14.29	12.44	0.87	4676
31	20	10.05	8.54	0.85	1420	10.05	8.54	0.85	1570	10.05	8.54	0.85	1720	11.16	9.49	0.85	1820	11.16	9.49	0.85	2020	16.98	14.43	0.85	4097	16.25	13.81	0.85	4308	15.62	13.28	0.85	4506	15.02	12.77	0.85	4714
31	22	10.65	7.78	0.73	1459	10.65	7.78	0.73	1609	10.65	7.78	0.73	1759	11.83	8.64	0.73	1859	11.83	8.64	0.73	2059	18.00	13.14	0.73	4129	17.22	12.57	0.73	4342	16.56	12.09	0.73	4541	15.92	11.62	0.73	4750
31	24	11.29	6.89	0.61	1499	11.29	6.89	0.61	1649	11.29	6.89	0.61	1799	12.54	7.65	0.61	1899	12.54	7.65	0.61	2099	19.08	11.64	0.61	4161	18.26	11.14	0.61	4376	17.56	10.71	0.61	4577	16.88	10.30	0.61	4788
31	26	11.86	5.81	0.49	1539	11.86	5.81	0.49	1689	11.86	5.81	0.49	1839	13.17	6.45	0.49	1939	13.17	6.45	0.49	2139	20.03	9.82	0.49	4194	19.17	9.39	0.49	4410	18.43	9.03	0.49	4613	17.72	8.68	0.49	4826
32	18	9.56	8.32	0.87	1380	9.56	8.32	0.87	1530	9.56	8.32	0.87	1680	10.62	9.24	0.87	1780	10.62	9.24	0.87	1980	16.16	14.06	0.87	4064	15.46	13.45	0.87	4274	14.87	12.93	0.87	4470	14.29	12.44	0.87	4676
32	20	10.05	8.74	0.87	1420	10.05	8.74	0.87	1570	10.05	8.74	0.87	1720	11.16	9.71	0.87	1820	11.16	9.71	0.87	2020	16.98	14.77	0.87	4097	16.25	14.14	0.87	4308	15.62	13.59	0.87	4506	15.02	13.07	0.87	4714
32	22	10.65	8.20	0.77	1459	10.65	8.20	0.77	1609	10.65	8.20	0.77	1759	11.83	9.11	0.77	1859	11.83	9.11	0.77	2059	18.00	13.86	0.77	4129	17.22	13.26	0.77	4342	16.56	12.75	0.77	4541	15.92	12.26	0.77	4750
32	24	11.29	7.34	0.65	1499	11.29	7.34	0.65	1649	11.29	7.34	0.65	1799	12.54	8.15	0.65	1899	12.54	8.15	0.65	2099	19.08	12.40	0.65	4161	18.26	11.87	0.65	4376	17.56	11.41	0.65	4577	16.88	10.97	0.65	4788
32	26	11.86	6.28	0.53	1539	11.86	6.28	0.53	1689	11.86	6.28	0.53	1839	13.17	6.98	0.53	1939	13.17	6.98	0.53	2139	20.03	10.62	0.53	4194	19.17	10.16	0.53	4410	18.43	9.77	0.53	4613	17.72	9.39	0.53	4826

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	11.29	5.53	0.49	1499	11.29	5.53	0.49	1649	11.29	5.53	0.49	1799	12.54	6.14	0.49	1899	12.54	6.14	0.49	2099	19.08	9.35	0.49	4161	18.26	8.95	0.49	4376	17.56	8.60	0.49	4577	16.88	8.27	0.49	4788
28	26	11.86	4.39	0.37	1539	11.86	4.39	0.37	1689	11.86	4.39	0.37	1839	13.17	4.87	0.37	1939	13.17	4.87	0.37	2139	20.03	7.41	0.37	4194	19.17	7.09	0.37	4410	18.43	6.82	0.37	4613	17.72	6.56	0.37	4826
29	18	9.56	8.32	0.87	1380	9.56	8.32	0.87	1530	9.56	8.32	0.87	1680	10.62	9.24	0.87	1780	10.62	9.24	0.87	1980	16.16	14.06	0.87	4064	15.46	13.45	0.87	4274	14.87	12.93	0.87	4470	14.29	12.44	0.87	4676
29	20	10.05	7.74	0.77	1420	10.05	7.74	0.77	1570	10.05	7.74	0.77	1720	11.16	8.59	0.77	1820	11.16	8.59	0.77	2020	16.98	13.07	0.77	4097	16.25	12.51	0.77	4308	15.62	12.03	0.77	4506	15.02	11.57	0.77	4714
29	22	10.65	6.92	0.65	1459	10.65	6.92	0.65	1609	10.65	6.92	0.65	1759	11.83	7.69	0.65	1859	11.83	7.69	0.65	2059	18.00	11.70	0.65	4129	17.22	11.20	0.65	4342	16.56	10.77	0.65	4541	15.92	10.35	0.65	4750
29	24	11.29	5.98	0.53	1499	11.29	5.98	0.53	1649	11.29	5.98	0.53	1799	12.54	6.65	0.53	1899	12.54	6.65	0.53	2099	19.08	10.11	0.53	4161	18.26	9.68	0.53	4376	17.56	9.30	0.53	4577	16.88	8.95	0.53	4788
29	26	11.86	4.86	0.41	1539	11.86	4.86	0.41	1689	11.86	4.86	0.41	1839	13.17	5.40	0.41	1939	13.17	5.40	0.41	2139	20.03	8.21	0.41	4194	19.17	7.86	0.41	4410	18.43	7.56	0.41	4613	17.72	7.27	0.41	4826
30	18	9.56	8.32	0.87	1380	9.56	8.32	0.87	1530	9.56	8.32	0.87	1680	10.62	9.24	0.87	1780	10.62	9.24	0.87	1980	16.16	14.06	0.87	4064	15.46	13.45	0.87	4274	14.87	12.93	0.87	4470	14.29	12.44	0.87	4676
30	20	10.05	8.14	0.81	1420	10.05	8.14	0.81	1570	10.05	8.14	0.81	1720	11.16	9.04	0.81	1820	11.16	9.04	0.81	2020	16.98	13.75	0.81	4097	16.25	13.16	0.81	4308	15.62	12.66	0.81	4506	15.02	12.17	0.81	4714
30	22	10.65	7.35	0.69	1459	10.65	7.35	0.69	1609	10.65	7.35	0.69	1759	11.83	8.16	0.69	1859	11.83	8.16	0.69	2059	18.00	12.42	0.69	4129	17.22	11.88	0.69	4342	16.56	11.43	0.69	4541	15.92	10.99	0.69	4750
30	24	11.29	6.44	0.57	1499	11.29	6.44	0.57	1649	11.29	6.44	0.57	1799	12.54	7.15	0.57	1899	12.54	7.15	0.57	2099	19.08	10.88	0.57	4161	18.26	10.41	0.57	4376	17.56	10.01	0.57	4577	16.88	9.62	0.57	4788
30	26	11.86	5.33	0.45	1539	11.86	5.33	0.45	1689	11.86	5.33	0.45	1839	13.17	5.93	0.45	1939	13.17	5.93	0.45	2139	20.03	9.01	0.45	4194	19.17	8.63	0.45	4410	18.43	8.29	0.45	4613	17.72	7.98	0.45	4826
31	18	9.56	8.32	0.87	1380	9.56	8.32	0.87	1530	9.56	8.32	0.87	1680	10.62	9.24	0.87	1780	10.62	9.24	0.87	1980	16.16	14.06	0.87	4064	15.46	13.45	0.87	4274	14.87	12.93	0.87	4470	14.29	12.44	0.87	4676
31	20	10.05	8.54	0.85	1420	10.05	8.54	0.85	1570	10.05	8.54	0.85	1720	11.16	9.49	0.85	1820	11.16	9.49	0.85	2020	16.98	14.43	0.85	4097	16.25	13.81	0.85	4308	15.62	13.28	0.85	4506	15.02	12.77	0.85	4714
31	22	10.65	7.78	0.73	1459	10.65	7.78	0.73	1609	10.65	7.78	0.73	1759	11.83	8.64	0.73	1859	11.83	8.64	0.73	2059	18.00	13.14	0.73	4129	17.22	12.57	0.73	4342	16.56	12.09	0.73	4541	15.92	11.62	0.73	4750
31	24	11.29	6.89	0.61	1499	11.29	6.89	0.61	1649	11.29	6.89	0.61	1799	12.54	7.65	0.61	1899	12.54	7.65	0.61	2099	19.08	11.64	0.61	4161	18.26	11.14	0.61	4376	17.56	10.71	0.61	4577	16.88	10.30	0.61	4788
31	26	11.86	5.81	0.49	1539	11.86	5.81	0.49	1689	11.86	5.81	0.49	1839	13.17	6.45	0.49	1939	13.17	6.45	0.49	2139	20.03	9.82	0.49	4194	19.17	9.39	0.49	4410	18.43	9.03	0.49	4613	17.72	8.68	0.49	4826
32	18	9.56	8.32	0.87	1380	9.56	8.32	0.87	1530	9.56	8.32	0.87	1680	10.62	9.24	0.87	1780	10.62	9.24	0.87	1980	16.16	14.06	0.87	4064	15.46	13.45	0.87	4274	14.87	12.93	0.87	4470	14.29	12.44	0.87	4676
32	20	10.05	8.74	0.87	1420	10.05	8.74	0.87	1570	10.05	8.74	0.87	1720	11.16	9.71	0.87	1820	11.16	9.71	0.87	2020	16.98	14.77	0.87	4097	16.25	14.14	0.87	4308	15.62	13.59	0.87	4506	15.02	13.07	0.87	4714
32	22	10.65	8.20	0.77	1459	10.65	8.20	0.77	1609	10.65	8.20	0.77	1759	11.83	9.11	0.77	1859	11.83	9.11	0.77	2059	18.00	13.86	0.77	4129	17.22	13.26	0.77	4342	16.56	12.75	0.77	4541	15.92	12.26	0.77	4750
32	24	11.29	7.34	0.65	1499	11.29	7.34	0.65	1649	11.29	7.34	0.65	1799	12.54	8.15	0.65	1899	12.54	8.15	0.65	2099	19.08	12.40	0.65	4161	18.26	11.87	0.65	4376	17.56	11.41	0.65	4577	16.88	10.97	0.65	4788
32	26	11.86	6.28	0.53	1539	11.86	6.28	0.53	1689	11.86	6.28	0.53	1839	13.17	6.98	0.53	1939	13.17	6.98	0.53	2139	20.03	10.62	0.53	4194	19.17	10.16	0.53	4410	18.43	9.77	0.53	4613	17.72	9.39	0.53	4826

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-6.5UFE1NH+RAS-6.5UFESMH1

CAPACITY: 16.30 kW SHF: 0.70 INPUT: 6830 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
21	18	11.33	5.89	0.52	1892	11.33	5.89	0.52	2097	11.33	5.89	0.52	2302	12.58	6.54	0.52	2439	12.58	6.54	0.52	2712	19.14	9.95	0.52	5558	18.31	9.52	0.52	5844	17.61	9.16	0.52	6113	16.93	8.80	0.52	6395
21	20	11.90	4.76	0.40	1932	11.90	4.76	0.40	2137	11.90	4.76	0.40	2342	13.22	5.29	0.40	2479	13.22	5.29	0.40	2752	20.11	8.05	0.40	5591	19.25	7.70	0.40	5879	18.51	7.40	0.40	6149	17.80	7.12	0.40	6432
22	18	11.33	6.34	0.56	1892	11.33	6.34	0.56	2097	11.33	6.34	0.56	2302	12.58	7.04	0.56	2439	12.58	7.04	0.56	2712	19.14	10.72	0.56	5558	18.31	10.26	0.56	5844	17.61	9.86	0.56	6113	16.93	9.48	0.56	6395
22	20	11.90	5.24	0.44	1932	11.90	5.24	0.44	2137	11.90	5.24	0.44	2342	13.22	5.82	0.44	2479	13.22	5.82	0.44	2752	20.11	8.85	0.44	5591	19.25	8.47	0.44	5879	18.51	8.14	0.44	6149	17.80	7.83	0.44	6432
22	22	12.62	4.04	0.32	1971	12.62	4.04	0.32	2176	12.62	4.04	0.32	2381	14.01	4.48	0.32	2518	14.01	4.48	0.32	2791	21.32	6.82	0.32	5622	20.40	6.53	0.32	5912	19.62	6.28	0.32	6184	18.86	6.04	0.32	6469
23	18	11.33	6.80	0.60	1892	11.33	6.80	0.60	2097	11.33	6.80	0.60	2302	12.58	7.55	0.60	2439	12.58	7.55	0.60	2712	19.14	11.48	0.60	5558	18.31	10.99	0.60	5844	17.61	10.57	0.60	6113	16.93	10.16	0.60	6395
23	20	11.90	5.71	0.48	1932	11.90	5.71	0.48	2137	11.90	5.71	0.48	2342	13.22	6.35	0.48	2479	13.22	6.35	0.48	2752	20.11	9.66	0.48	5591	19.25	9.24	0.48	5879	18.51	8.88	0.48	6149	17.80	8.54	0.48	6432
23	22	12.62	4.54	0.36	1971	12.62	4.54	0.36	2176	12.62	4.54	0.36	2381	14.01	5.05	0.36	2518	14.01	5.05	0.36	2791	21.32	7.68	0.36	5622	20.40	7.35	0.36	5912	19.62	7.06	0.36	6184	18.86	6.79	0.36	6469
24	18	11.33	7.25	0.64	1892	11.33	7.25	0.64	2097	11.33	7.25	0.64	2302	12.58	8.05	0.64	2439	12.58	8.05	0.64	2712	19.14	12.25	0.64	5558	18.31	11.72	0.64	5844	17.61	11.27	0.64	6113	16.93	10.84	0.64	6395
24	20	11.90	6.19	0.52	1932	11.90	6.19	0.52	2137	11.90	6.19	0.52	2342	13.22	6.88	0.52	2479	13.22	6.88	0.52	2752	20.11	10.46	0.52	5591	19.25	10.01	0.52	5879	18.51	9.62	0.52	6149	17.80	9.25	0.52	6432
24	22	12.62	5.05	0.40	1971	12.62	5.05	0.40	2176	12.62	5.05	0.40	2381	14.01	5.61	0.40	2518	14.01	5.61	0.40	2791	21.32	8.53	0.40	5622	20.40	8.16	0.40	5912	19.62	7.85	0.40	6184	18.86	7.55	0.40	6469
24	24	13.37	3.74	0.28	2011	13.37	3.74	0.28	2216	13.37	3.74	0.28	2421	14.86	4.16	0.28	2558	14.86	4.16	0.28	2831	22.60	6.33	0.28	5655	21.63	6.06	0.28	5946	20.80	5.82	0.28	6220	20.00	5.60	0.28	6506
25	18	11.33	7.70	0.68	1892	11.33	7.70	0.68	2097	11.33	7.70	0.68	2302	12.58	8.55	0.68	2439	12.58	8.55	0.68	2712	19.14	13.01	0.68	5558	18.31	12.45	0.68	5844	17.61	11.97	0.68	6113	16.93	11.51	0.68	6395
25	20	11.90	6.67	0.56	1932	11.90	6.67	0.56	2137	11.90	6.67	0.56	2342	13.22	7.40	0.56	2479	13.22	7.40	0.56	2752	20.11	11.26	0.56	5591	19.25	10.78	0.56	5879	18.51	10.36	0.56	6149	17.80	9.97	0.56	6432
25	22	12.62	5.55	0.44	1971	12.62	5.55	0.44	2176	12.62	5.55	0.44	2381	14.01	6.17	0.44	2518	14.01	6.17	0.44	2791	21.32	9.38	0.44	5622	20.40	8.98	0.44	5912	19.62	8.63	0.44	6184	18.86	8.30	0.44	6469
25	24	13.37	4.28	0.32	2011	13.37	4.28	0.32	2216	13.37	4.28	0.32	2421	14.86	4.75	0.32	2558	14.86	4.75	0.32	2831	22.60	7.23	0.32	5655	21.63	6.92	0.32	5946	20.80	6.65	0.32	6220	20.00	6.40	0.32	6506
26	18	11.33	8.15	0.72	1892	11.33	8.15	0.72	2097	11.33	8.15	0.72	2302	12.58	9.06	0.72	2439	12.58	9.06	0.72	2712	19.14	13.78	0.72	5558	18.31	13.19	0.72	5844	17.61	12.68	0.72	6113	16.93	12.19	0.72	6395
26	20	11.90	7.14	0.60	1932	11.90	7.14	0.60	2137	11.90	7.14	0.60	2342	13.22	7.93	0.60	2479	13.22	7.93	0.60	2752	20.11	12.07	0.60	5591	19.25	11.55	0.60	5879	18.51	11.10	0.60	6149	17.80	10.68	0.60	6432
26	22	12.62	6.06	0.48	1971	12.62	6.06	0.48	2176	12.62	6.06	0.48	2381	14.01	6.73	0.48	2518	14.01	6.73	0.48	2791	21.32	10.23	0.48	5622	20.40	9.79	0.48	5912	19.62	9.42	0.48	6184	18.86	9.05	0.48	6469
26	24	13.37	4.81	0.36	2011	13.37	4.81	0.36	2216	13.37	4.81	0.36	2421	14.86	5.35	0.36	2558	14.86	5.35	0.36	2831	22.60	8.14	0.36	5655	21.63	7.79	0.36	5946	20.80	7.49	0.36	6220	20.00	7.20	0.36	6506
26	26	14.04	3.37	0.24	2051	14.04	3.37	0.24	2256	14.04	3.37	0.24	2461	15.60	3.74	0.24	2598	15.60	3.74	0.24	2871	23.73	5.70	0.24	5688	22.71	5.45	0.24	5981	21.84	5.24	0.24	6256	21.00	5.04	0.24	6544
27	18	11.33	8.61	0.76	1892	11.33	8.61	0.76	2097	11.33	8.61	0.76	2302	12.58	9.56	0.76	2439	12.58	9.56	0.76	2712	19.14	14.55	0.76	5558	18.31	13.92	0.76	5844	17.61	13.38	0.76	6113	16.93	12.87	0.76	6395
27	19	11.56	8.09	0.70	1912	11.56	8.09	0.70	2117	11.56	8.09	0.70	2322	12.84	8.99	0.70	2459	12.84	8.99	0.70	2732	19.53	13.67	0.70	5574	18.69	13.08	0.70	5861	17.97	12.58	0.70	6131	17.28	12.09	0.70	6413
27	20	11.90	7.62	0.64	1932	11.90	7.62	0.64	2137	11.90	7.62	0.64	2342	13.22	8.46	0.64	2479	13.22	8.46	0.64	2752	20.11	12.87	0.64	5591	19.25	12.32	0.64	5879	18.51	11.85	0.64	6149	17.80	11.39	0.64	6432
27	22	12.62	6.56	0.52	1971	12.62	6.56	0.52	2176	12.62	6.56	0.52	2381	14.01	7.29	0.52	2518	14.01	7.29	0.52	2791	21.32	11.09	0.52	5622	20.40	10.61	0.52	5912	19.62	10.20	0.52	6184	18.86	9.81	0.52	6469
27	24	13.37	5.35	0.40	2011	13.37	5.35	0.40	2216	13.37	5.35	0.40	2421	14.86	5.94	0.40	2558	14.86	5.94	0.40	2831	22.60	9.04	0.40	5655	21.63	8.65	0.40	5946	20.80	8.32	0.40	6220	20.00	8.00	0.40	6506
27	26	14.04	3.93	0.28	2051	14.04	3.93	0.28	2256	14.04	3.93	0.28	2461	15.60	4.37	0.28	2598	15.60	4.37	0.28	2871	23.73	6.64	0.28	5688	22.71	6.36	0.28	5981	21.84	6.11	0.28	6256	21.00	5.88	0.28	6544
28	18	11.33	9.06	0.80	1892	11.33	9.06	0.80	2097	11.33	9.06	0.80	2302	12.58	10.06	0.80	2439	12.58	10.06	0.80	2712	19.14	15.31	0.80	5558	18.31	14.65	0.80	5844	17.61	14.09	0.80	6113	16.93	13.55	0.80	6395
28	20	11.90	8.09	0.68	1932	11.90	8.09	0.68	2137	11.90	8.09	0.68	2342	13.22	8.99	0.68	2479	13.22	8.99	0.68	2752	20.11	13.68	0.68	5591	19.25	13.09	0.68	5879	18.51	12.59	0.68	6149	17.80	12.10	0.68	6432
28	22	12.62	7.07	0.56	1971	12.62	7.07	0.56	2176	12.62	7.07	0.56	2381	14.01	7.85	0.56	2518	14.01	7.85	0.56	2791	21.32	11.94	0.56	5622	20.40	11.43	0.56	5912	19.62	10.99	0.56	6184	18.86	10.56	0.56	6469

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		30				35				40				48																					
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																		
21	18	16.93	8.80	0.52	6395	15.97	8.31	0.52	6810	14.66	7.63	0.52	7232	13.56	7.05	0.52	7507																		
21	20	17.80	7.12	0.40	6432	16.79	6.72	0.40	6850	15.41	6.16	0.40	7275	14.26	5.70	0.40	7551																		
22	18	16.93	9.48	0.56	6395	15.97	8.95	0.56	6810	14.66	8.21	0.56	7232	13.56	7.60	0.56	7507																		
22	20	17.80	7.83	0.44	6432	16.79	7.39	0.44	6850	15.41	6.78	0.44	7275	14.26	6.27	0.44	7551																		
22	22	18.86	6.04	0.32	6469	17.80	5.69	0.32	6889	16.34	5.23	0.32	7316	15.11	4.84	0.32	7594																		
23	18	16.93	10.16	0.60	6395	15.97	9.58	0.60	6810	14.66	8.80	0.60	7232	13.56	8.14	0.60	7507																		
23	20	17.80	8.54	0.48	6432	16.79	8.06	0.48	6850	15.41	7.40	0.48	7275	14.26	6.84	0.48	7551																		
23	22	18.86	6.79	0.36	6469	17.80	6.41	0.36	6889	16.34	5.88	0.36	7316	15.11	5.44	0.36	7594																		
24	18	16.93	10.84	0.64	6395	15.97	10.22	0.64	6810	14.66	9.39	0.64	7232	13.56	8.68	0.64	7507																		
24	20	17.80	9.25	0.52	6432	16.79	8.73	0.52	6850	15.41	8.01	0.52	7275	14.26	7.41	0.52	7551																		
24	22	18.86	7.55	0.40	6469	17.80	7.12	0.40	6889	16.34	6.53	0.40	7316	15.11	6.04	0.40	7594																		
24	24	20.00	5.60	0.28	6506	18.86	5.28	0.28	6929	17.32	4.85	0.28	7359	16.02	4.49	0.28	7638																		
25	18	16.93	11.51	0.68	6395	15.97	10.86	0.68	6810	14.66	9.97	0.68	7232	13.56	9.22	0.68	7507																		
25	20	17.80	9.97	0.56	6432	16.79	9.40	0.56	6850	15.41	8.63	0.56	7275	14.26	7.98	0.56	7551																		
25	22	18.86	8.30	0.44	6469	17.80	7.83	0.44	6889	16.34	7.19	0.44	7316	15.11	6.65	0.44	7594																		
25	24	20.00	6.40	0.32	6506	18.86	6.04	0.32	6929	17.32	5.54	0.32	7359	16.02	5.13	0.32	7638																		
26	18	16.93	12.19	0.72	6395	15.97	11.50	0.72	6810	14.66	10.56	0.72	7232	13.56	9.77	0.72	7507																		
26	20	17.80	10.68	0.60	6432	16.79	10.07	0.60	6850	15.41	9.25	0.60	7275	14.26	8.55	0.60	7551																		
26	22	18.86	9.05	0.48	6469	17.80	8.54	0.48	6889	16.34	7.84	0.48	7316	15.11	7.25	0.48	7594																		
26	24	20.00	7.20	0.36	6506	18.86	6.79	0.36	6929	17.32	6.23	0.36	7359	16.02	5.77	0.36	7638																		
26	26	21.00	5.04	0.24	6544	19.81	4.75	0.24	6969	18.18	4.36	0.24	7401	16.82	4.04	0.24	7682																		
27	18	16.93	12.87	0.76	6395	15.97	12.14	0.76	6810	14.66	11.14	0.76	7232	13.56	10.31	0.76	7507																		
27	19	17.28	12.09	0.70	6413	16.30	11.41	0.70	6830	14.96	10.47	0.70	7253	13.84	9.69	0.70	7529																		
27	20	17.80	11.39	0.64	6432	16.79	10.74	0.64	6850	15.41	9.86	0.64	7275	14.26	9.12	0.64	7551																		
27	22	18.86	9.81	0.52	6469	17.80	9.25	0.52	6889	16.34	8.50	0.52	7316	15.11	7.86	0.52	7594																		
27	24	20.00	8.00	0.40	6506	18.86	7.55	0.40	6929	17.32	6.93	0.40	7359	16.02	6.41	0.40	7638																		
27	26	21.00	5.88	0.28	6544	19.81	5.55	0.28	6969	18.18	5.09	0.28	7401	16.82	4.71	0.28	7682																		
28	18	16.93	13.55	0.80	6395	15.97	12.78	0.80	6810	14.66	11.73	0.80	7232	13.56	10.85	0.80	7507																		
28	20	17.80	12.10	0.68	6432	16.79	11.42	0.68	6850	15.41	10.48	0.68	7275	14.26	9.69	0.68	7551																		
28	22	18.86	10.56	0.56	6469	17.80	9.97	0.56	6889	16.34	9.15	0.56	7316	15.11	8.46	0.56	7594																		

5. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

RPFC-6.5UFE1NH+RAS-6.5UFESMH1

CAPACITY: 16.30 kW SHF: 0.70 INPUT: 6830 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		-15				-7				0				10				15				21				25				27				30			
		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
28	24	13.37	5.88	0.44	2011	13.37	5.88	0.44	2216	13.37	5.88	0.44	2421	14.86	6.54	0.44	2558	14.86	6.54	0.44	2831	22.60	9.94	0.44	5655	21.63	9.52	0.44	5946	20.80	9.15	0.44	6220	20.00	8.80	0.44	6506
28	26	14.04	4.49	0.32	2051	14.04	4.49	0.32	2256	14.04	4.49	0.32	2461	15.60	4.99	0.32	2598	15.60	4.99	0.32	2871	23.73	7.59	0.32	5688	22.71	7.27	0.32	5981	21.84	6.99	0.32	6256	21.00	6.72	0.32	6544
29	18	11.33	9.29	0.82	1892	11.33	9.29	0.82	2097	11.33	9.29	0.82	2302	12.58	10.32	0.82	2439	12.58	10.32	0.82	2712	19.14	15.69	0.82	5558	18.31	15.02	0.82	5844	17.61	14.44	0.82	6113	16.93	13.88	0.82	6395
29	20	11.90	8.57	0.72	1932	11.90	8.57	0.72	2137	11.90	8.57	0.72	2342	13.22	9.52	0.72	2479	13.22	9.52	0.72	2752	20.11	14.48	0.72	5591	19.25	13.86	0.72	5879	18.51	13.33	0.72	6149	17.80	12.81	0.72	6432
29	22	12.62	7.57	0.60	1971	12.62	7.57	0.60	2176	12.62	7.57	0.60	2381	14.01	8.41	0.60	2518	14.01	8.41	0.60	2791	21.32	12.79	0.60	5622	20.40	12.24	0.60	5912	19.62	11.77	0.60	6184	18.86	11.32	0.60	6469
29	24	13.37	6.42	0.48	2011	13.37	6.42	0.48	2216	13.37	6.42	0.48	2421	14.86	7.13	0.48	2558	14.86	7.13	0.48	2831	22.60	10.85	0.48	5655	21.63	10.38	0.48	5946	20.80	9.98	0.48	6220	20.00	9.60	0.48	6506
29	26	14.04	5.06	0.36	2051	14.04	5.06	0.36	2256	14.04	5.06	0.36	2461	15.60	5.62	0.36	2598	15.60	5.62	0.36	2871	23.73	8.54	0.36	5688	22.71	8.18	0.36	5981	21.84	7.86	0.36	6256	21.00	7.56	0.36	6544
30	18	11.33	9.29	0.82	1892	11.33	9.29	0.82	2097	11.33	9.29	0.82	2302	12.58	10.32	0.82	2439	12.58	10.32	0.82	2712	19.14	15.69	0.82	5558	18.31	15.02	0.82	5844	17.61	14.44	0.82	6113	16.93	13.88	0.82	6395
30	20	11.90	9.05	0.76	1932	11.90	9.05	0.76	2137	11.90	9.05	0.76	2342	13.22	10.05	0.76	2479	13.22	10.05	0.76	2752	20.11	15.29	0.76	5591	19.25	14.63	0.76	5879	18.51	14.07	0.76	6149	17.80	13.53	0.76	6432
30	22	12.62	8.08	0.64	1971	12.62	8.08	0.64	2176	12.62	8.08	0.64	2381	14.01	8.97	0.64	2518	14.01	8.97	0.64	2791	21.32	13.65	0.64	5622	20.40	13.06	0.64	5912	19.62	12.56	0.64	6184	18.86	12.07	0.64	6469
30	24	13.37	6.95	0.52	2011	13.37	6.95	0.52	2216	13.37	6.95	0.52	2421	14.86	7.72	0.52	2558	14.86	7.72	0.52	2831	22.60	11.75	0.52	5655	21.63	11.25	0.52	5946	20.80	10.81	0.52	6220	20.00	10.40	0.52	6506
30	26	14.04	5.62	0.40	2051	14.04	5.62	0.40	2256	14.04	5.62	0.40	2461	15.60	6.24	0.40	2598	15.60	6.24	0.40	2871	23.73	9.49	0.40	5688	22.71	9.08	0.40	5981	21.84	8.73	0.40	6256	21.00	8.40	0.40	6544
31	18	11.33	9.29	0.82	1892	11.33	9.29	0.82	2097	11.33	9.29	0.82	2302	12.58	10.32	0.82	2439	12.58	10.32	0.82	2712	19.14	15.69	0.82	5558	18.31	15.02	0.82	5844	17.61	14.44	0.82	6113	16.93	13.88	0.82	6395
31	20	11.90	9.52	0.80	1932	11.90	9.52	0.80	2137	11.90	9.52	0.80	2342	13.22	10.58	0.80	2479	13.22	10.58	0.80	2752	20.11	16.09	0.80	5591	19.25	15.40	0.80	5879	18.51	14.81	0.80	6149	17.80	14.24	0.80	6432
31	22	12.62	8.58	0.68	1971	12.62	8.58	0.68	2176	12.62	8.58	0.68	2381	14.01	9.53	0.68	2518	14.01	9.53	0.68	2791	21.32	14.50	0.68	5622	20.40	13.87	0.68	5912	19.62	13.34	0.68	6184	18.86	12.83	0.68	6469
31	24	13.37	7.49	0.56	2011	13.37	7.49	0.56	2216	13.37	7.49	0.56	2421	14.86	8.32	0.56	2558	14.86	8.32	0.56	2831	22.60	12.66	0.56	5655	21.63	12.11	0.56	5946	20.80	11.65	0.56	6220	20.00	11.20	0.56	6506
31	26	14.04	6.18	0.44	2051	14.04	6.18	0.44	2256	14.04	6.18	0.44	2461	15.60	6.86	0.44	2598	15.60	6.86	0.44	2871	23.73	10.44	0.44	5688	22.71	9.99	0.44	5981	21.84	9.61	0.44	6256	21.00	9.24	0.44	6544
32	18	11.33	9.29	0.82	1892	11.33	9.29	0.82	2097	11.33	9.29	0.82	2302	12.58	10.32	0.82	2439	12.58	10.32	0.82	2712	19.14	15.69	0.82	5558	18.31	15.02	0.82	5844	17.61	14.44	0.82	6113	16.93	13.88	0.82	6395
32	20	11.90	9.76	0.82	1932	11.90	9.76	0.82	2137	11.90	9.76	0.82	2342	13.22	10.84	0.82	2479	13.22	10.84	0.82	2752	20.11	16.49	0.82	5591	19.25	15.78	0.82	5879	18.51	15.18	0.82	6149	17.80	14.59	0.82	6432
32	22	12.62	9.08	0.72	1971	12.62	9.08	0.72	2176	12.62	9.08	0.72	2381	14.01	10.09	0.72	2518	14.01	10.09	0.72	2791	21.32	15.35	0.72	5622	20.40	14.69	0.72	5912	19.62	14.13	0.72	6184	18.86	13.58	0.72	6469
32	24	13.37	8.02	0.60	2011	13.37	8.02	0.60	2216	13.37	8.02	0.60	2421	14.86	8.91	0.60	2558	14.86	8.91	0.60	2831	22.60	13.56	0.60	5655	21.63	12.98	0.60	5946	20.80	12.48	0.60	6220	20.00	12.00	0.60	6506
32	26	14.04	6.74	0.48	2051	14.04	6.74	0.48	2256	14.04	6.74	0.48	2461	15.60	7.49	0.48	2598	15.60	7.49	0.48	2871	23.73	11.39	0.48	5688	22.71	10.90	0.48	5981	21.84	10.48	0.48	6256	21.00	10.08	0.48	6544

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)																																	
		35				40				48																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT																						
28	24	18.86	8.30	0.44	6929	17.32	7.62	0.44	7359	16.02	7.05	0.44	7638																						
28	26	19.81	6.34	0.32	6969	18.18	5.82	0.32	7401	16.82	5.38	0.32	7682																						
29	18	15.97	13.10	0.82	6810	14.66	12.02	0.82	7232	13.56	11.12	0.82	7507																						
29	20	16.79	12.09	0.72	6850	15.41	11.10	0.72	7275	14.26	10.26	0.72	7551																						
29	22	17.80	10.68	0.60	6889	16.34	9.80	0.60	7316	15.11	9.07	0.60	7594																						
29	24	18.86	9.05	0.48	6929	17.32	8.31	0.48	7359	16.02	7.69	0.48	7638																						
29	26	19.81	7.13	0.36	6969	18.18	6.55	0.36	7401	16.82	6.05	0.36	7682																						
30	18	15.97	13.10	0.82	6810	14.66	12.02	0.82	7232	13.56	11.12	0.82	7507																						
30	20	16.79	12.76	0.76	6850	15.41	11.71	0.76	7275	14.26	10.83	0.76	7551																						
30	22	17.80	11.39	0.64	6889	16.34	10.46	0.64	7316	15.11	9.67	0.64	7594																						
30	24	18.86	9.81	0.52	6929	17.32	9.00	0.52	7359	16.02	8.33	0.52	7638																						
30	26	19.81	7.92	0.40	6969	18.18	7.27	0.40	7401	16.82	6.73	0.40	7682																						
31	18	15.97	13.10	0.82	6810	14.66	12.02	0.82	7232	13.56	11.12	0.82	7507																						
31	20	16.79	13.43	0.80	6850	15.41	12.33	0.80	7275	14.26	11.41	0.80	7551																						
31	22	17.80	12.10	0.68	6889	16.34	11.11	0.68	7316	15.11	10.28	0.68	7594																						
31	24	18.86	10.56	0.56	6929	17.32	9.70	0.56	7359	16.02	8.97	0.56	7638																						
31	26	19.81	8.72	0.44	6969	18.18	8.00	0.44	7401	16.82	7.40	0.44	7682																						
32	18	15.97	13.10	0.82	6810	14.66	12.02	0.82	7232	13.56	11.12	0.82	7507																						
32	20	16.79	13.77	0.82	6850	15.41	12.64	0.82	7275	14.26	11.69	0.82	7551																						
32	22	17.80	12.81	0.72	6889	16.34	11.76	0.72	7316	15.11	10.88	0.72	7594																						
32	24	18.86	11.32	0.60	6929	17.32	10.39	0.60	7359	16.02	9.61	0.60	7638																						
32	26	19.81	9.51	0.48	6969	18.18	8.73	0.48	7401	16.82	8.07	0.48	7682																						

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
SHC: Sensible Heat Capacity (Gross)
SHF: Sensible Capacity ratio
INPUT: 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

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPFC-3.0UFE1NH+RAS-3.0UFESNH1
CAPACITY: 7.35 kW INPUT: 2070 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.89	1138	4.64	1346	5.58	1614	6.55	1821	7.49	1967	8.45	2091	9.33	2152	10.29	2195
21	3.67	1242	4.41	1449	5.28	1717	6.25	1905	7.12	2049	8.09	2152	8.96	2216	9.88	2298
26	3.23	1345	3.97	1553	4.92	1821	5.81	2009	6.75	2152	7.72	2256	8.59	2319	9.56	2381

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPFC-3.5UFE1NH+RAS-3.5UFESNH1
CAPACITY: 8.70 kW INPUT: 2300 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	4.61	1265	5.49	1495	6.61	1793	7.75	2023	8.86	2185	10.01	2324	11.04	2391	12.18	2439
21	4.35	1380	5.22	1610	6.25	1908	7.40	2117	8.43	2276	9.57	2391	10.60	2462	11.69	2554
26	3.82	1495	4.70	1725	5.82	2023	6.88	2232	7.99	2391	9.14	2506	10.17	2577	11.31	2645

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPFC-4.0UFE1NH+RAS-4.0UFESNH1
CAPACITY: 10.50 kW INPUT: 3650 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	5.56	2007	6.63	2373	7.97	2845	9.35	3210	10.70	3468	12.08	3687	13.32	3795	14.70	3870
21	5.25	2190	6.30	2555	7.55	3028	8.93	3360	10.17	3613	11.55	3795	12.80	3907	14.11	4052
26	4.62	2372	5.68	2738	7.02	3210	8.30	3542	9.65	3795	11.03	3978	12.27	4090	13.65	4198

Remarks:
Q: Total Heating Capacity (Gross) **kW**
INPUT: 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

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPFC-5.0UFE1NH+RAS-5.0UFESMH1
CAPACITY:13.50 kW INPUT: 4170 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	7.15	2293	8.52	2711	10.25	3250	12.02	3667	13.75	3962	15.53	4213	17.13	4336	18.90	4421
21	6.75	2502	8.10	2919	9.70	3459	11.48	3839	13.08	4127	14.85	4336	16.45	4464	18.14	4630
26	5.94	2710	7.30	3128	9.03	3667	10.67	4047	12.40	4336	14.18	4544	15.78	4673	17.55	4796

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPFC-6.0UFE1NH+RAS-6.0UFESMH1
CAPACITY:16.59 kW INPUT: 4850 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	8.79	2667	10.47	3153	12.60	3781	14.78	4266	16.90	4608	19.08	4900	21.05	5043	23.23	5142
21	8.29	2910	9.95	3395	11.92	4023	14.10	4464	16.07	4800	18.25	5043	20.22	5192	22.29	5385
26	7.30	3152	8.97	3638	11.09	4266	13.12	4707	15.24	5043	17.42	5285	19.39	5434	21.57	5578

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPFC-6.5UFE1NH+RAS-6.5UFESMH1
CAPACITY:18.00kW INPUT: 6830 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	9.54	3756	11.36	4440	13.67	5324	16.03	6007	18.34	6489	20.70	6900	22.84	7101	25.20	7242
21	9.00	4098	10.80	4781	12.94	5665	15.30	6287	17.44	6760	19.80	7101	21.94	7312	24.19	7583
26	7.92	4439	9.73	5123	12.04	6007	14.23	6629	16.54	7101	18.90	7443	21.04	7653	23.40	7855

Remarks:
Q: Total Heating Capacity (Gross) **kW**
INPUT: 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

PERFORMANCE DATA (Heating Operation at Rated Frequency)
RPFC-5.0UFE1NH+RAS-5.0UFESNH1
CAPACITY: 13.30 kW INPUT: 4040 W

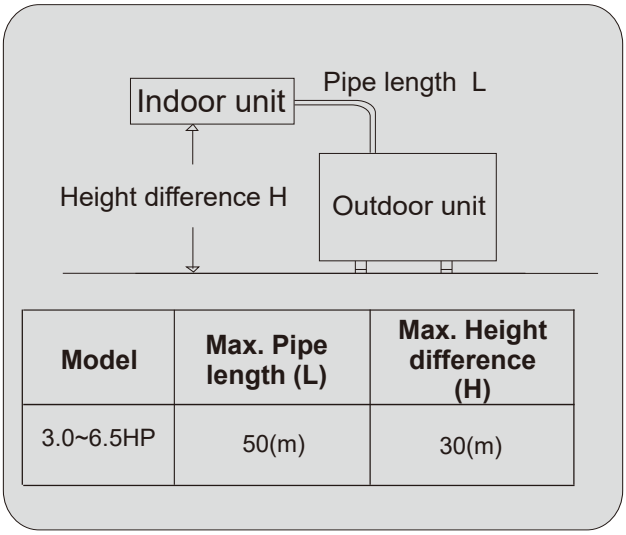
INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	7.05	2222	8.40	2626	10.10	3149	11.85	3553	13.55	3838	15.30	4081	16.87	4201	18.62	4283
21	6.65	2424	7.98	2828	9.56	3351	11.31	3719	12.88	3999	14.63	4201	16.21	4325	17.87	4485
26	5.85	2626	7.19	3030	8.89	3553	10.52	3921	12.22	4201	13.97	4403	15.54	4527	17.29	4646

PERFORMANCE DATA (Heating Operation at Rated requency)
RPFC-6.0UFE1NH+RAS-6.0UFESNH1
CAPACITY: 16.50 kW INPUT: 5400 W

INDOOR DB(℃)	OUTDOOR WB (℃)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	8.74	2970	10.42	3510	12.53	4209	14.70	4749	16.81	5130	18.98	5455	20.93	5615	23.10	5725
21	8.25	3240	9.90	3780	11.86	4479	14.03	4971	15.98	5345	18.15	5615	20.11	5781	22.17	5995
26	7.26	3510	8.92	4050	11.03	4749	13.05	5241	15.16	5615	17.33	5885	19.28	6051	21.45	6210

Remarks:
Q: Total Heating Capacity (Gross) **kW**
INPUT: Power Input (including the compressor, evap. fan motor & cond. fan motor) **W**
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature

5.2 Piping Length Correction Factor



Model	Max. Pipe length (L)	Max. Height difference (H)
3.0~6.5HP	50(m)	30(m)

The correction factor is based on the equivalent piping length in meters (EL) and the height difference between outdoor and indoor units in meters (H).

H:

Height difference between indoor unit and outdoor unit (m).

• H>0: Position of outdoor unit is higher than that of the indoor unit (m).

• H<0: Position of outdoor unit is lower than that of the indoor unit (m).

L:

Actual one-way piping length between indoor unit and outdoor unit (m).

EL:

Equivalent one-way piping length between indoor unit and outdoor unit (m).

Gas Diameter (mm/inch)	9.52 (3/8')	12.7 (1/2')	15.88 (5/8')	19.05 (3/4')
90°Elbow	0.15	0.2	0.25	0.35

5. CAPACITIES AND SELECTION DATA

Cooling

EL / Model	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
3.0HP	1.0	0.98	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.86
3.5HP	1.0	0.94	0.92	0.90	0.88	0.84	0.82	0.80	0.77	0.73
4.0HP	1.0	0.95	0.93	0.90	0.88	0.85	0.83	0.80	0.78	0.75
5.0HP	1.0	0.95	0.92	0.88	0.87	0.85	0.83	0.80	0.78	0.75
6.0/6.5HP	1.0	0.98	0.96	0.94	0.92	0.89	0.86	0.83	0.79	0.75

Heating

EL / Model	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
3.0HP	1.0	0.98	0.97	0.96	0.94	0.92	0.90	0.88	0.87	0.85
3.5HP	1.0	0.93	0.90	0.88	0.84	0.82	0.78	0.75	0.72	0.69
4.0/5.0HP	1.0	0.94	0.91	0.88	0.85	0.82	0.79	0.76	0.73	0.70
6.0/6.5HP	1.0	0.99	0.98	0.97	0.95	0.93	0.90	0.87	0.84	0.80

The correction factor of height between indoor unit and outdoor unit

Height difference	5m	10m	30m
Factor	0.01	0.02	0.025

To ensure correct unit selection, consider the farthest indoor unit.

NOTE:

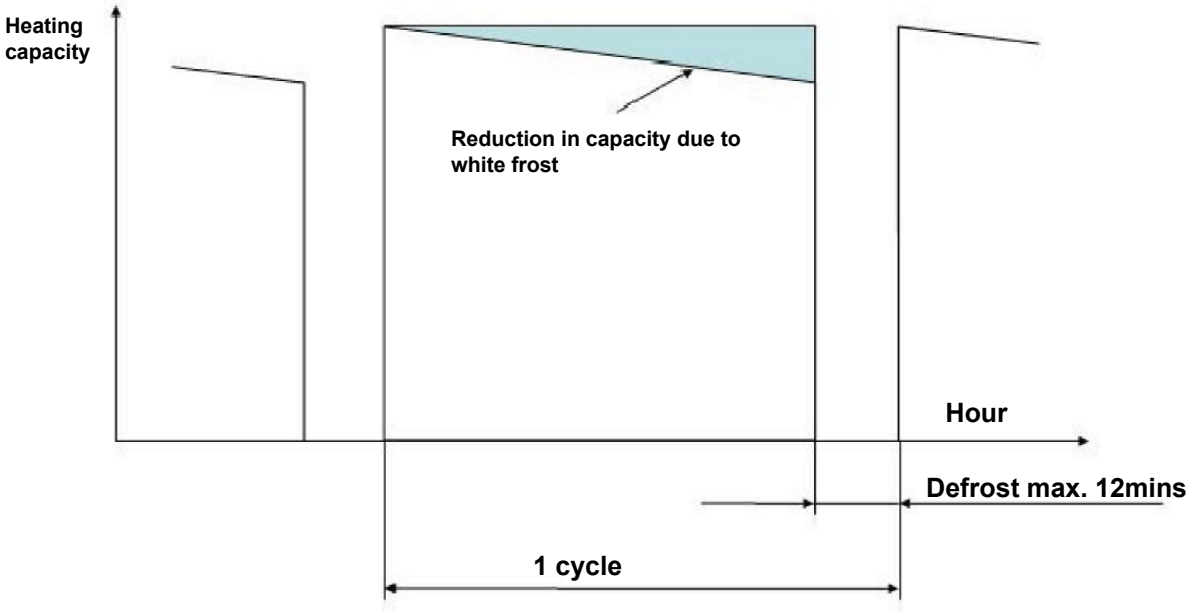
1. Above data is assuming that the height difference between indoor unit and outdoor unit is 0m.
2. Be sure to minimize length of connection pipes to optimize performance. If the outdoor unit is installed higher or lower than the indoor unit, it is necessary to apply height correction factor additionally to length correction factor to calculate cooling/heating.
   If outdoor unit is higher, correction should be applied to cooling capacity, if outdoor unit is lower, correction should be applied to heating capacity.

5.3 Correction Factors according to Defrosting Operation

The heating capacity in the preceding paragraph, excludes the condition of defrosting operation period. In consideration of defrosting operation, the heating capacity is corrected by the equation below.
Corrected heating capacity = Defrost Correction factor x unit capacity

Outdoor temperature(℃DB)	-15	-10	-5	0	7	10	15
Correction factor (humidity rate 85% RH）	0.95	0.95	0.91	0.81	1.0	1.0	1.0

Correction Factor



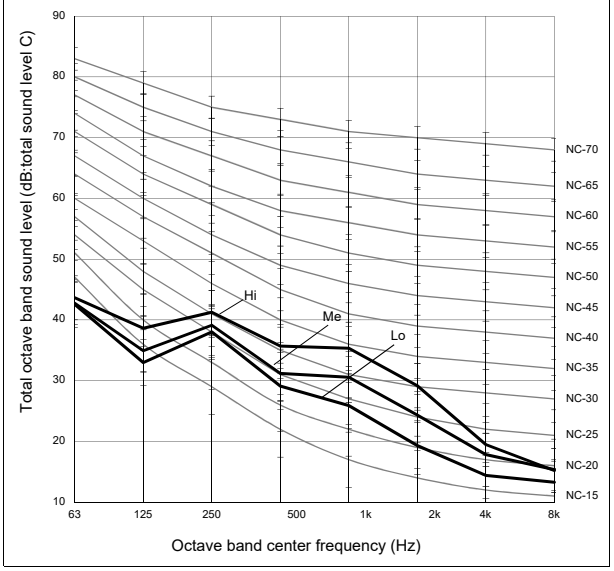
NOTE:
The correction factor is not valid for special conditions such as snowfall or operation in a transitional period.

6. SOUND PRESSURE DATA

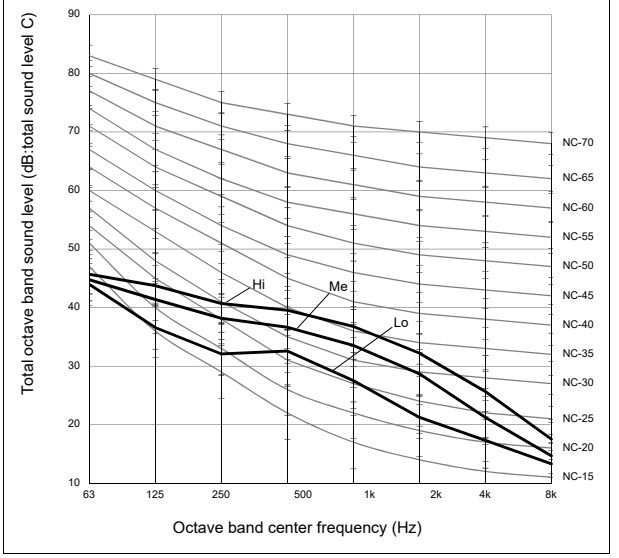
Indoor unit

Ducted

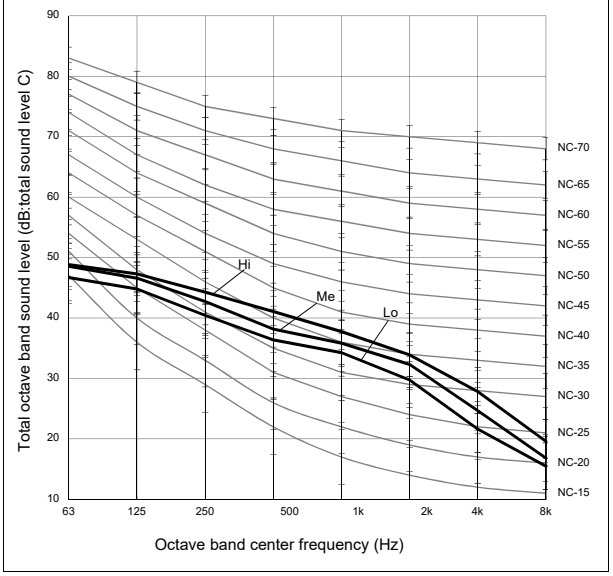
Model	3.0HP
Test condition	1.4m under the unit; 1.0m high from the ground



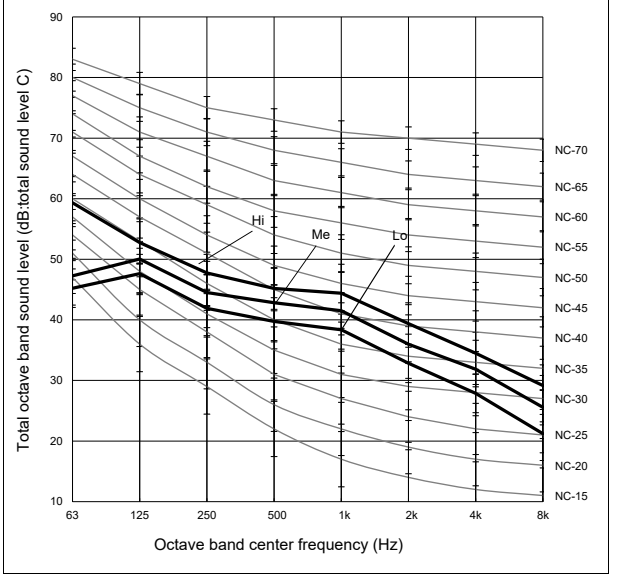
Model	3.5HP
Test condition	1.4m under the unit; 1.0m high from the ground



Model	4.0HP
Test condition	1.4m under the unit; 1.0m high from the ground

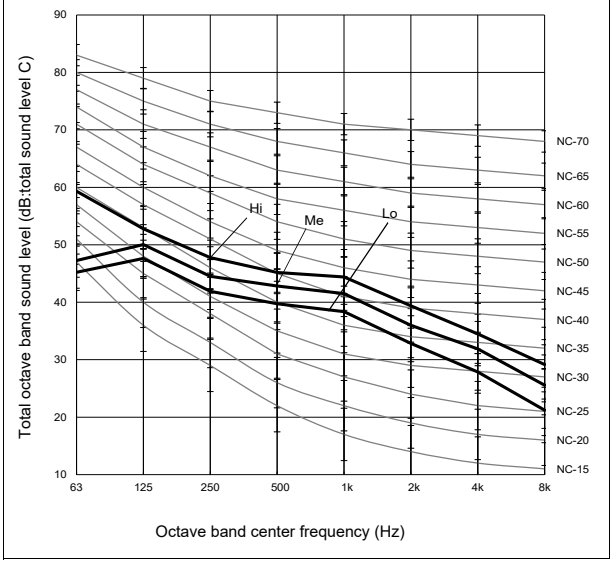


Model	5.0HP
Test condition	1.4m under the unit; 1.0m high from the ground

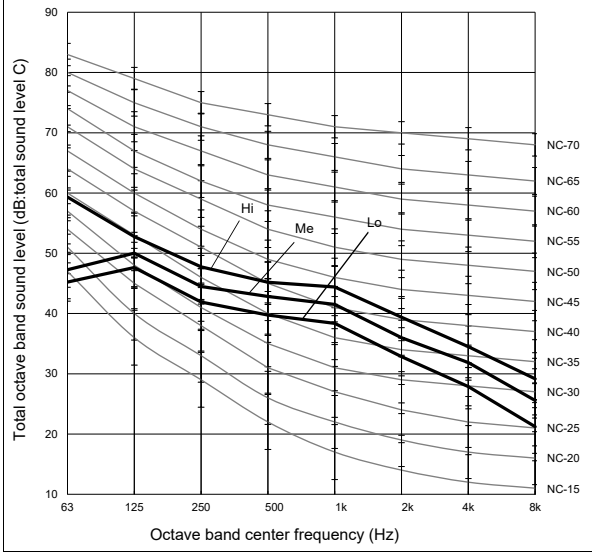


6. SOUND PRESSURE DATA

Model	6.0HP
Test condition	1.4m under the unit; 1.0m high from the ground

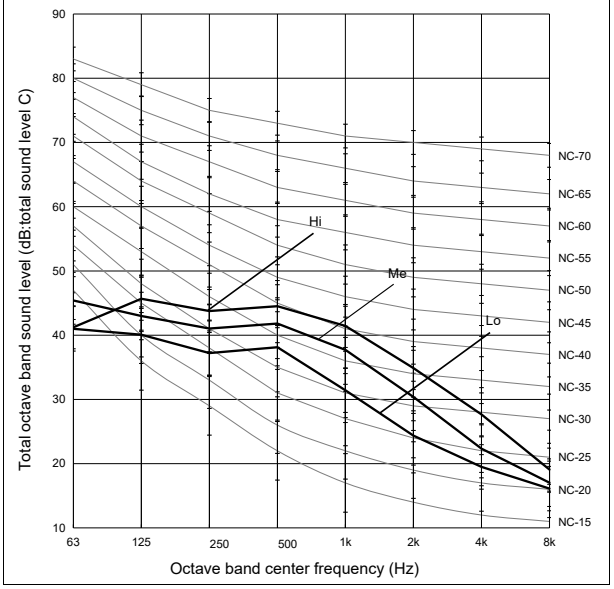


Model	6.5HP
Test condition	1.4m under the unit; 1.0m high from the ground

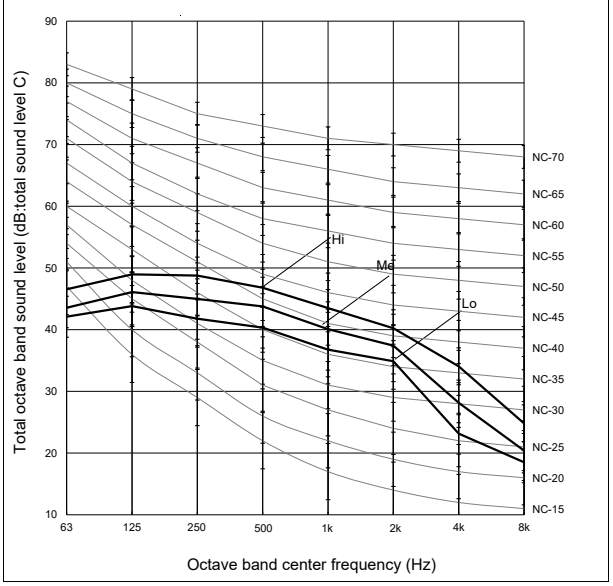


Cassette

Model	3.0HP
Test condition	1.4m under the unit; 1.0m high from the ground

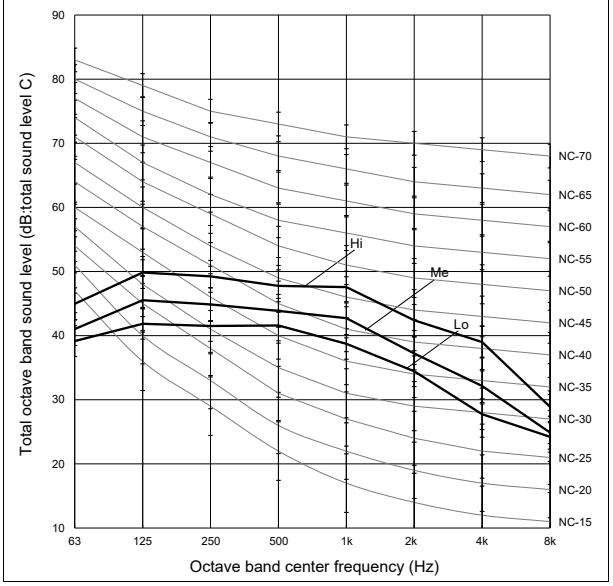


Model	3.5HP
Test condition	1.4m under the unit; 1.0m high from the ground

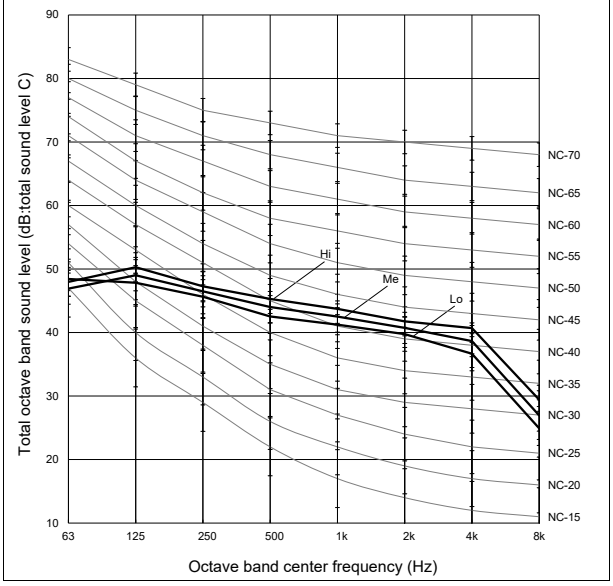


6. SOUND PRESSURE DATA

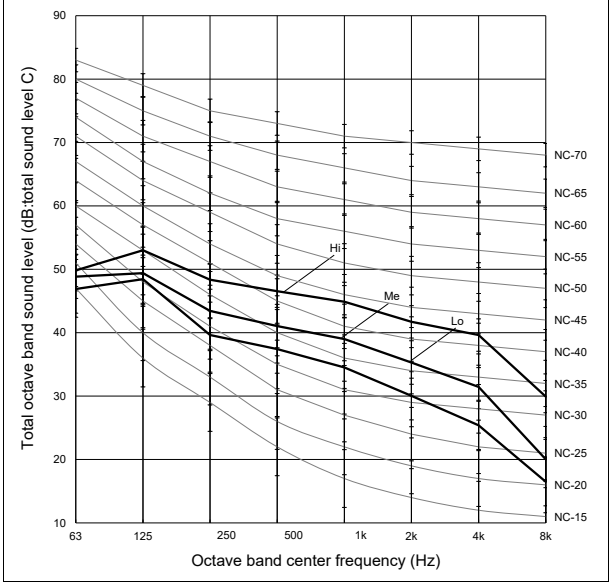
Model	4.0HP
Test condition	1.4m under the unit; 1.0m high from the ground



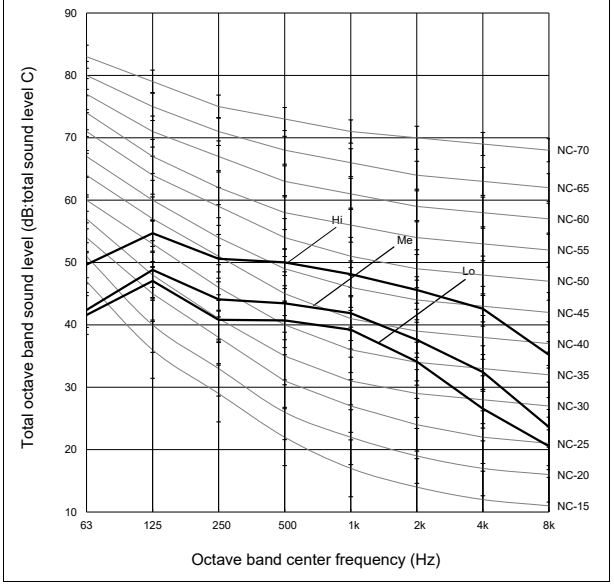
Model	5.0HP
Test condition	1.4m under the unit; 1.0m high from the ground



Model	6.0HP
Test condition	1.4m under the unit; 1.0m high from the ground



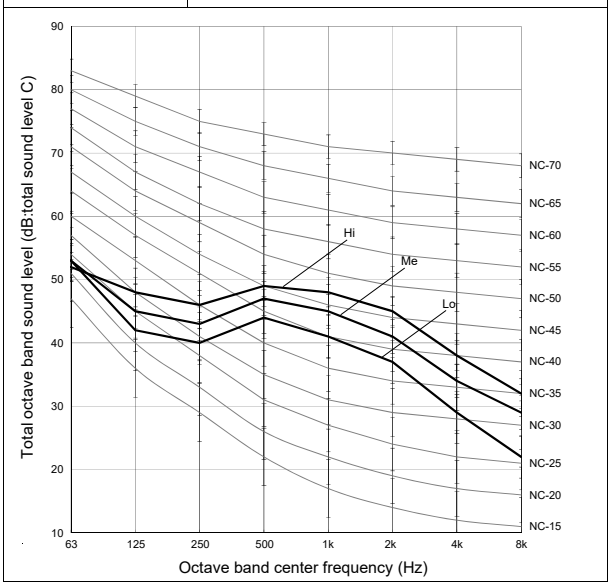
Model	6.5HP
Test condition	1.4m under the unit; 1.0m high from the ground



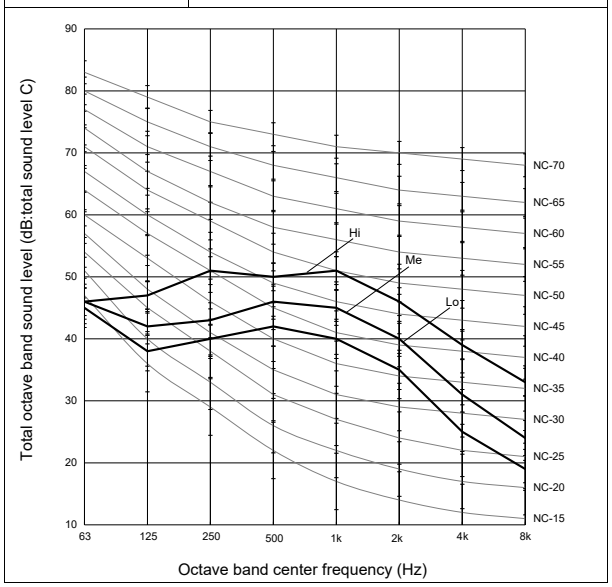
6. SOUND PRESSURE DATA

Floor ceiling

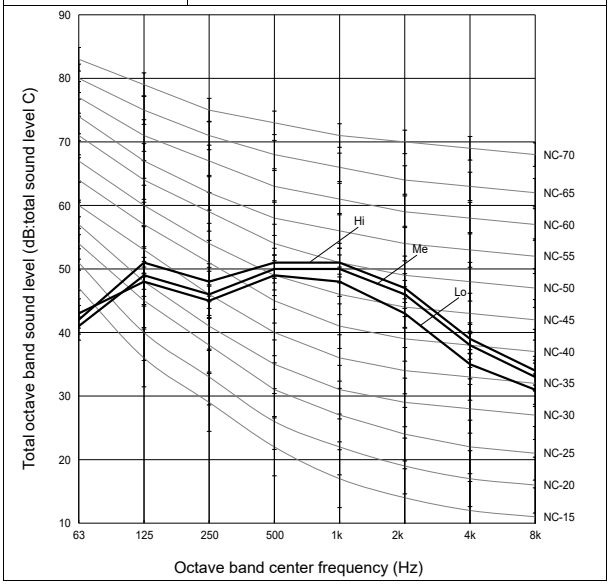
Model	3.0HP
Test condition	1.0m ahead of the unit; 1.0m under the unit; 1.0m high from the ground.



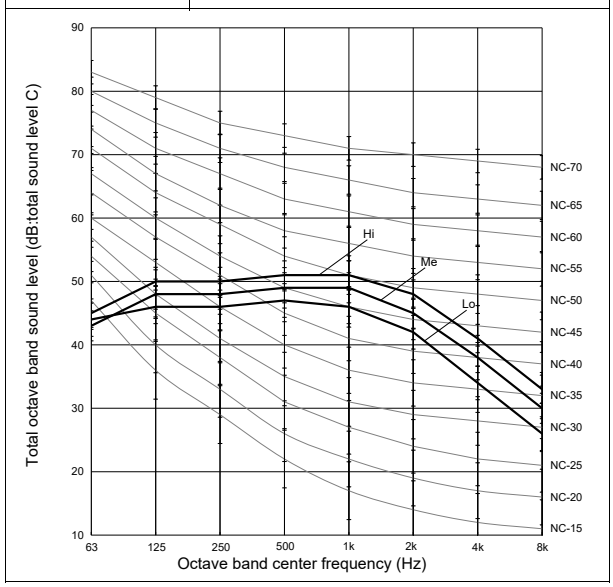
Model	3.5HP
Test condition	1.0m ahead of the unit; 1.0m under the unit; 1.0m high from the ground.



Model	4.0HP
Test condition	1.0m ahead of the unit; 1.0m under the unit; 1.0m high from the ground.

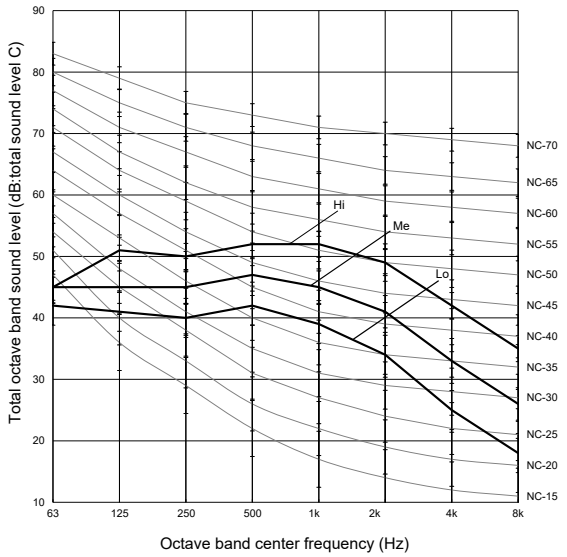


Model	5.0HP
Test condition	1.0m ahead of the unit; 1.0m under the unit; 1.0m high from the ground.

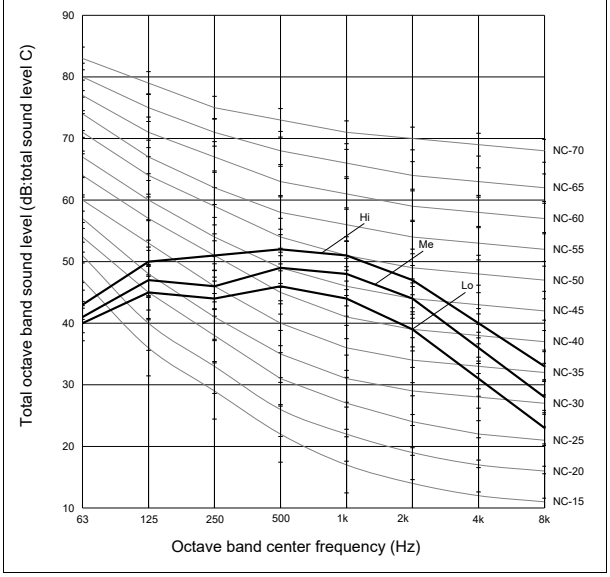


6. SOUND PRESSURE DATA

Model	6.0HP
Test condition	1.0m ahead of the unit; 1.0m under the unit; 1.0m high from the ground.



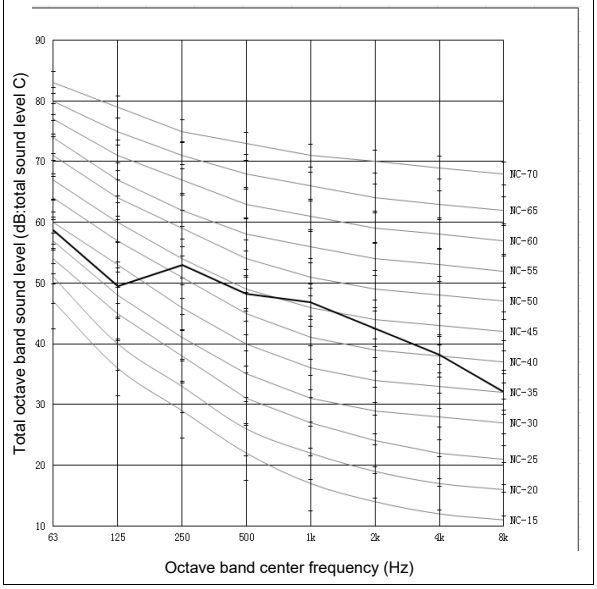
Model	6.5HP
Test condition	1.0m ahead of the unit; 1.0m under the unit; 1.0m high from the ground.



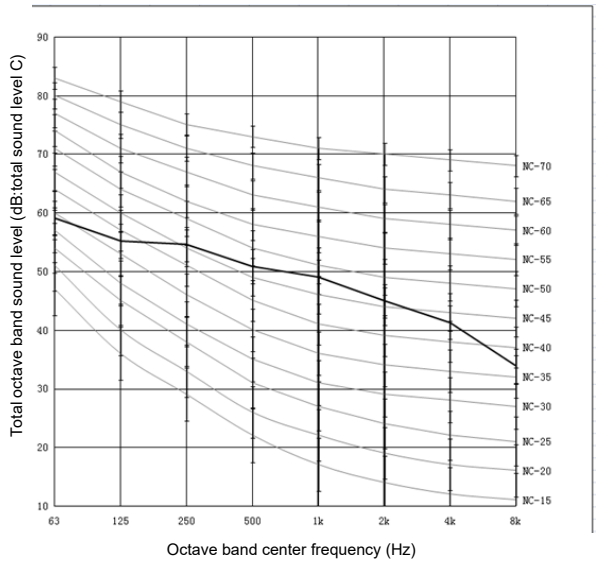
6. SOUND PRESSURE DATA

Outdoor unit

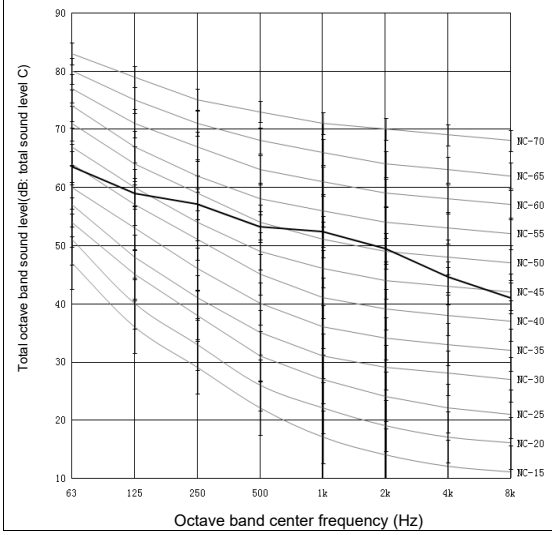
Model	3.0HP
Test condition	1m ahead of the unit; 0.83m high from the bottom of the unit.



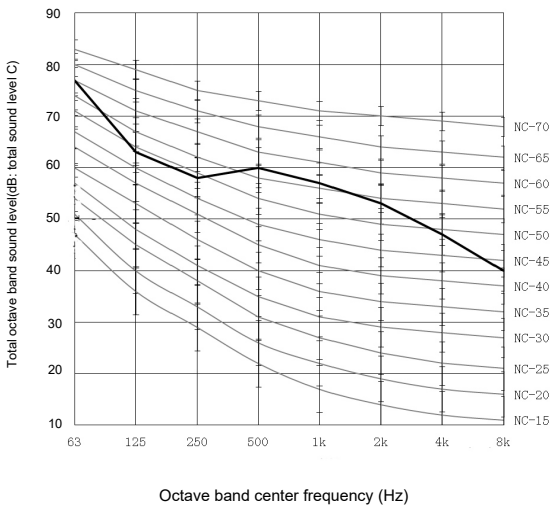
Model	3.5HP
Test condition	1m ahead of the unit; 1m high from the bottom of the unit.



Model	4.0HP
Test condition	1m ahead of the unit; 1m high from the bottom of the unit.

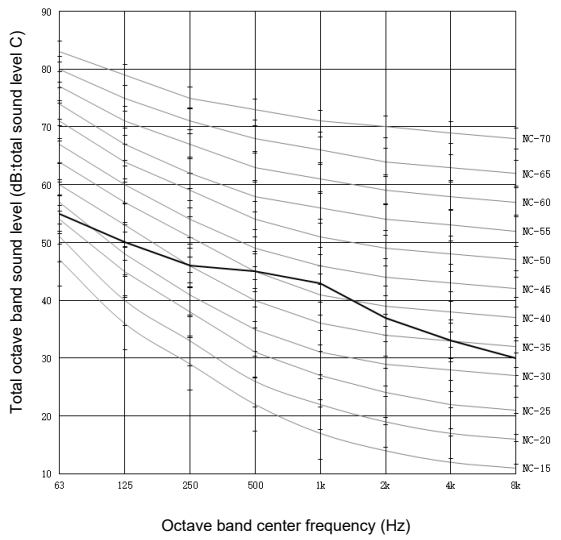


Model	5.0HP
Test condition	1m ahead of the unit; 1.0m high from the bottom of the unit.

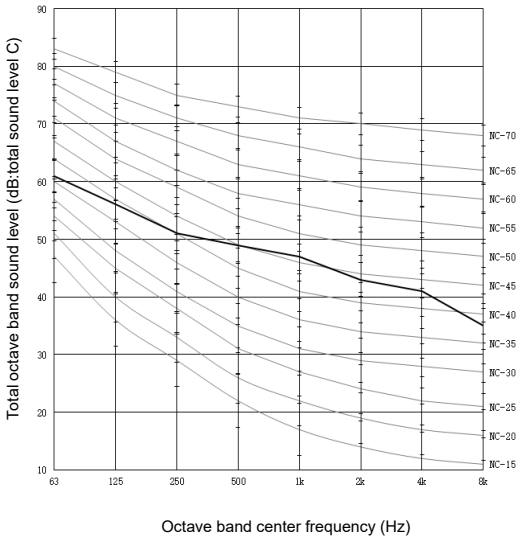


6. SOUND PRESSURE DATA

Model	6.0HP
Test condition	1.0m ahead of the unit; 1.2m high from the bottom of the unit.



Model	6.5HP
Test condition	1.0m ahead of the unit; 1.2m high from the bottom of the unit.

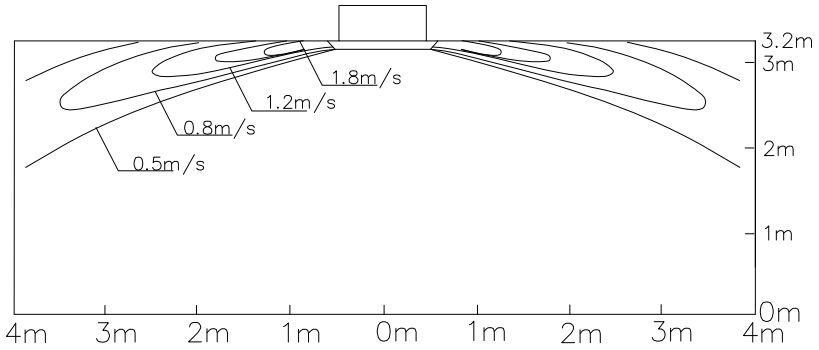


7. AIR FLOW DISTRIBUTION

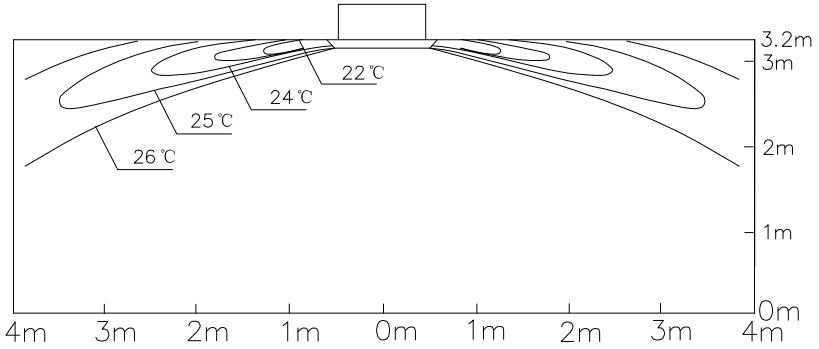
7.1 Cassette

3.0HP

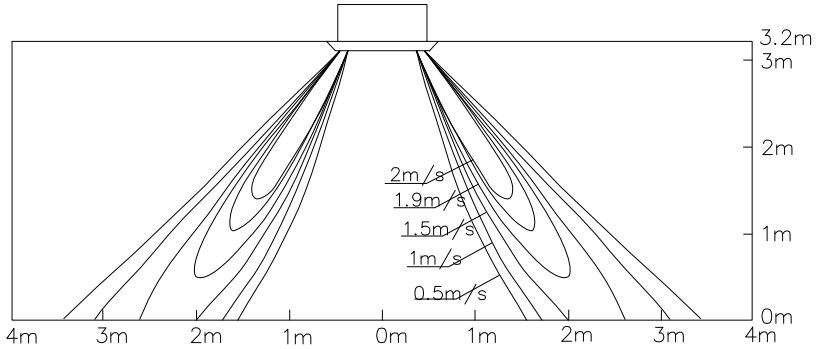
1) Cooling/Air Velocity Distribution



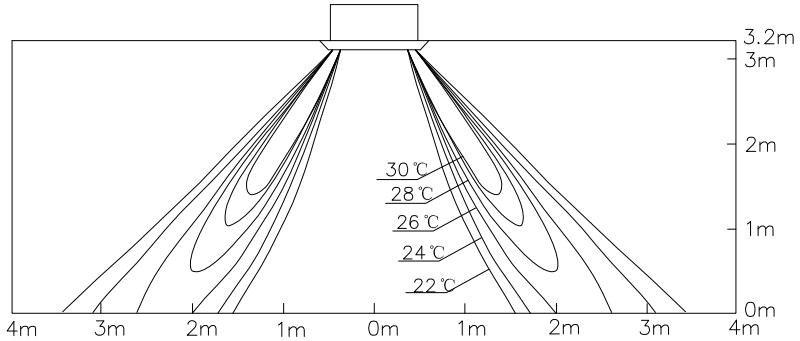
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



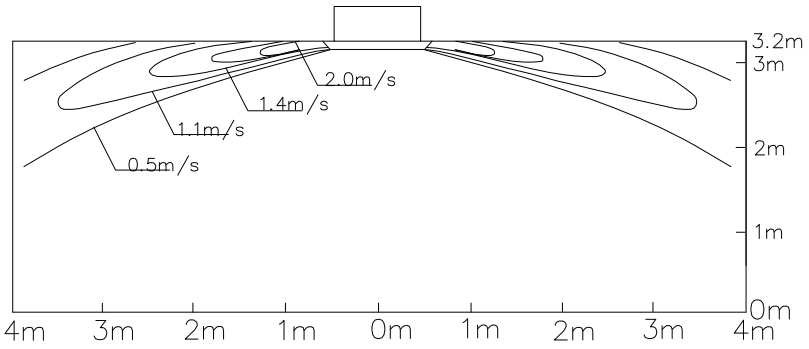
4) Heating/Air Temperature Distribution



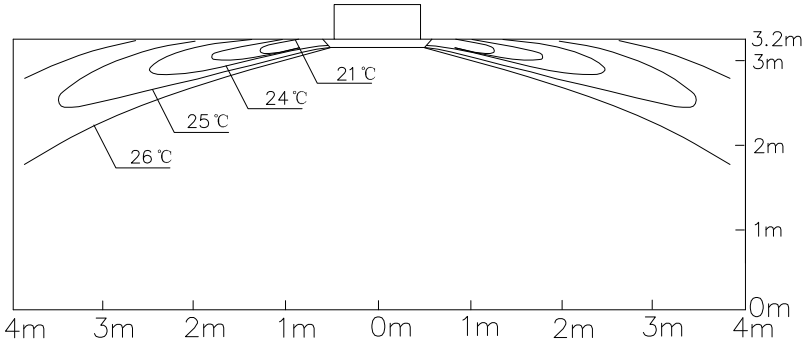
7. AIR FLOW DISTRIBUTION

3.5HP

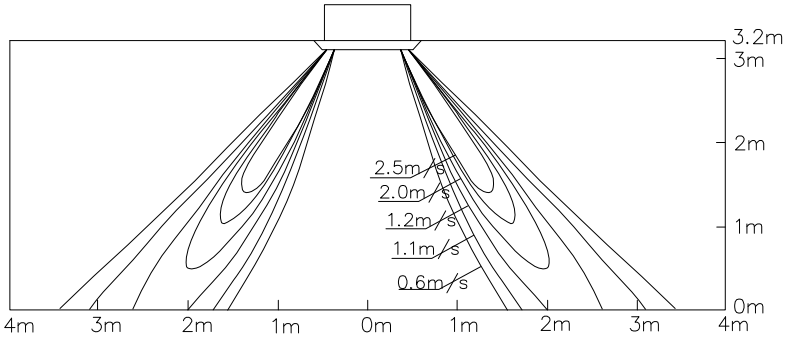
1) Cooling/Air Velocity Distribution



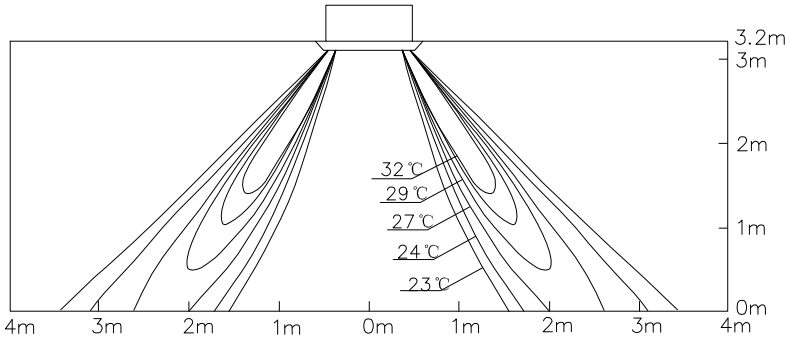
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



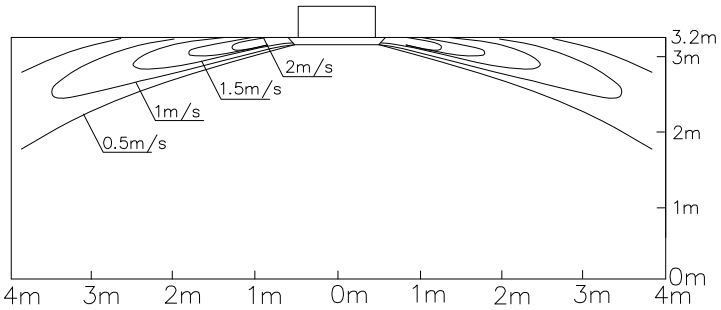
4) Heating/Air Temperature Distribution



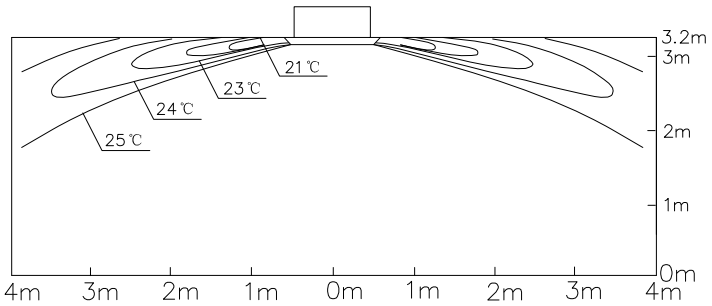
7. AIR FLOW DISTRIBUTION

4.0HP

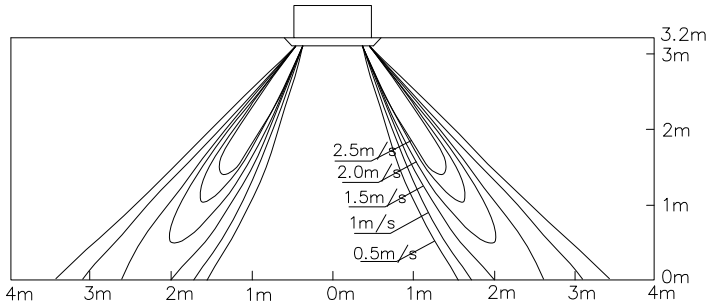
1) Cooling/Air Velocity Distribution



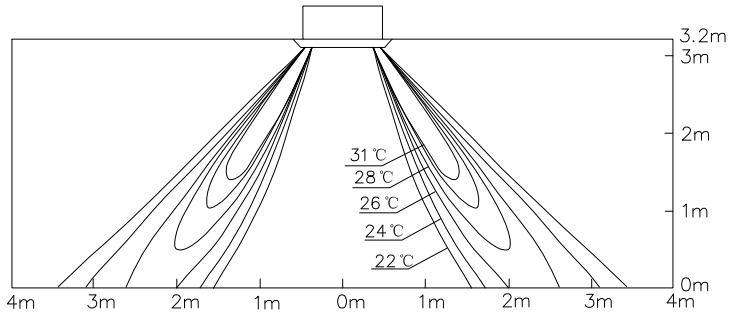
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



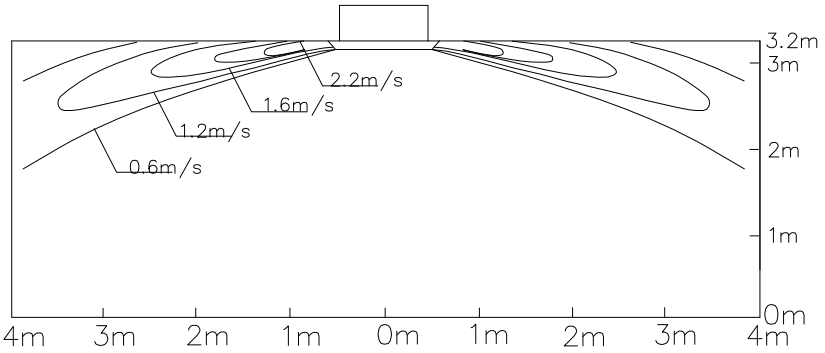
4) Heatling/Air Temperature Distribution



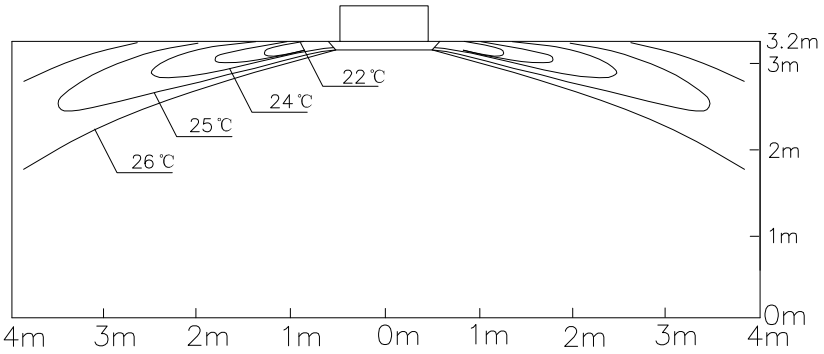
7. AIR FLOW DISTRIBUTION

5.0HP

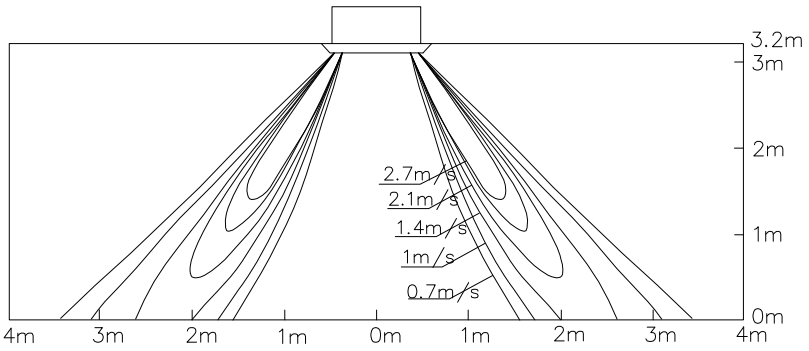
1) Cooling/Air Velocity Distribution



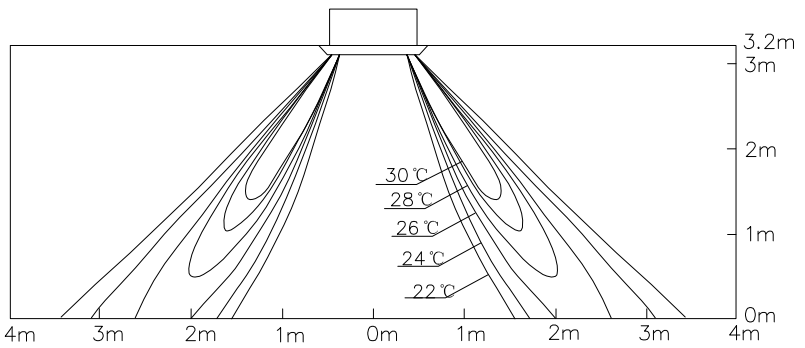
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



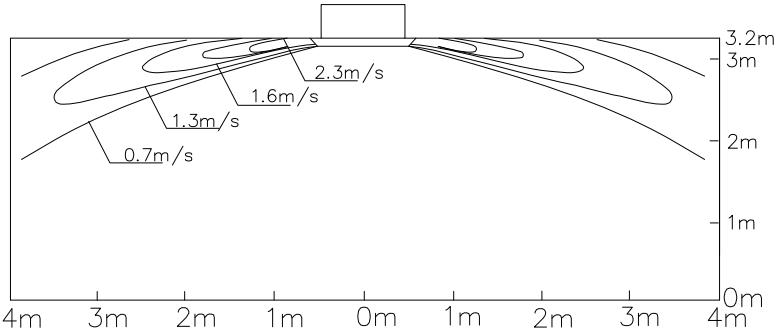
4) Heatling/Air Temperature Distribution



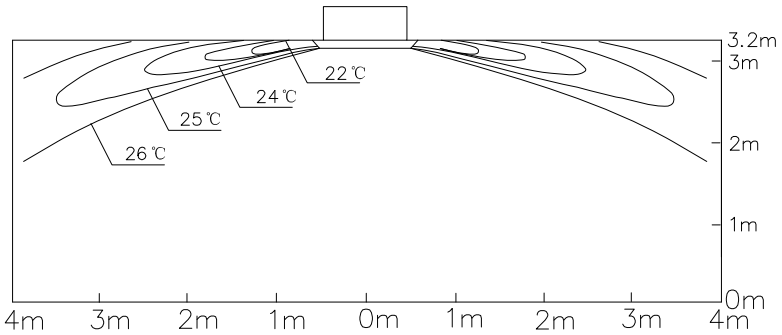
7. AIR FLOW DISTRIBUTION

6.0HP

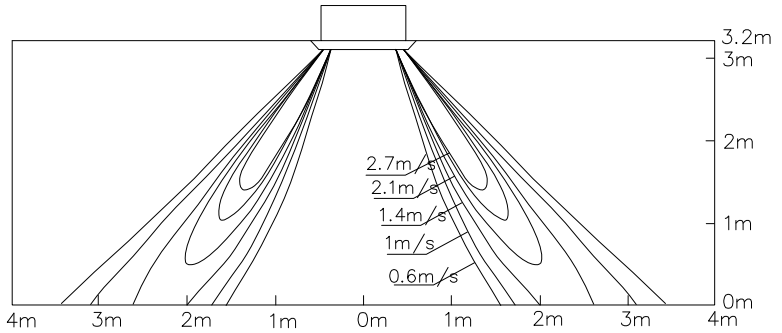
1) Cooling/Air Velocity Distribution



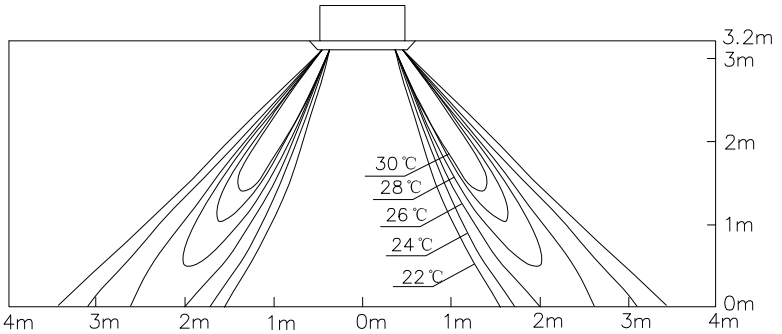
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



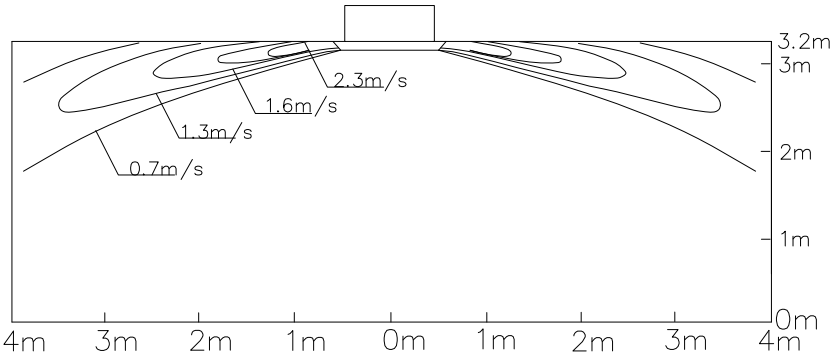
4) Heating/Air Temperature Distribution



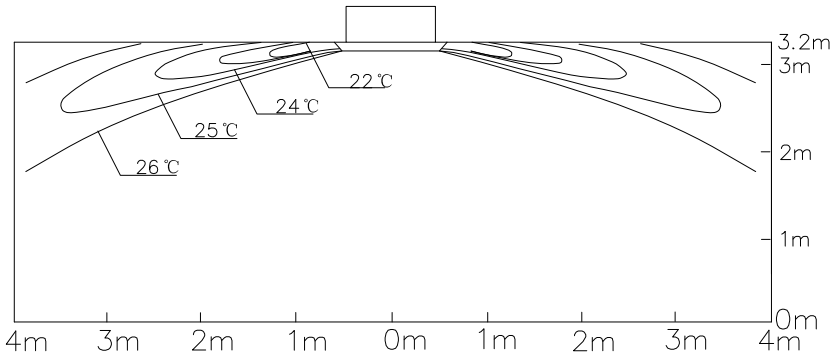
7. AIR FLOW DISTRIBUTION

6.5HP

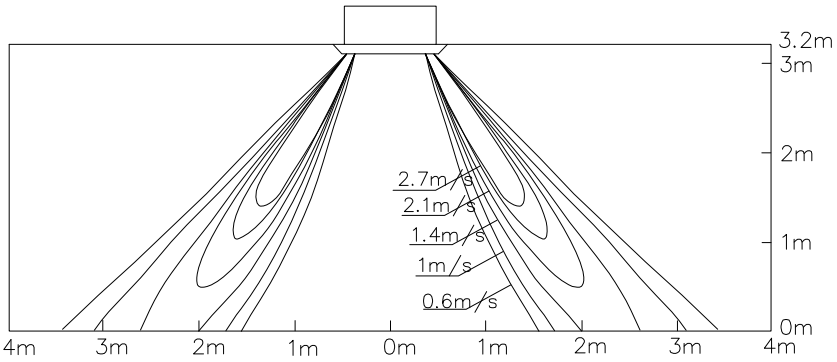
1) Cooling/Air Velocity Distribution



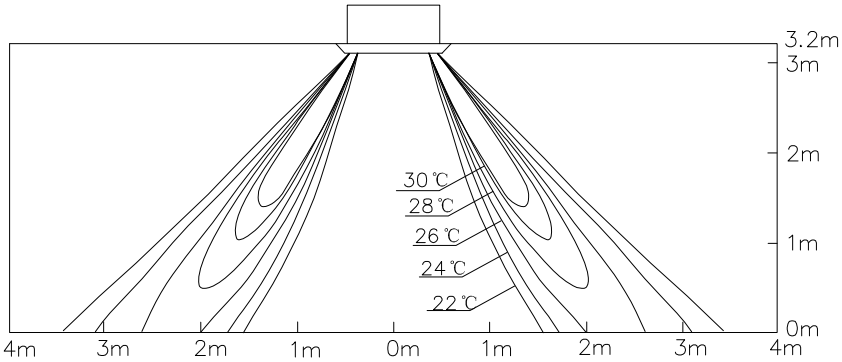
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution (Blowy angle: XX)



4) Healing/Air Temperature Distribution

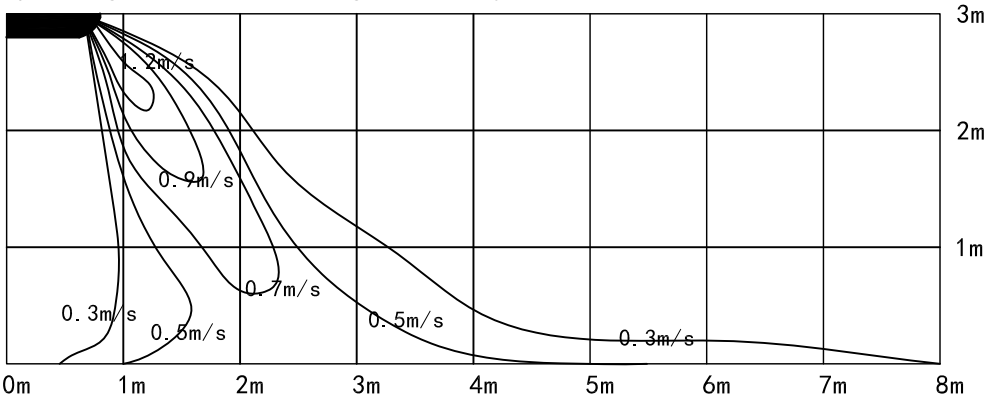


7. AIR FLOW DISTRIBUTION

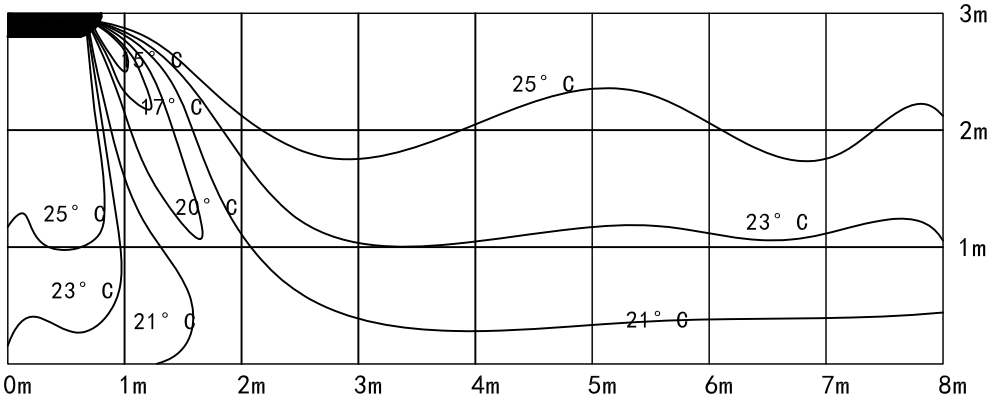
7.2 Floor Ceiling

3.0HP

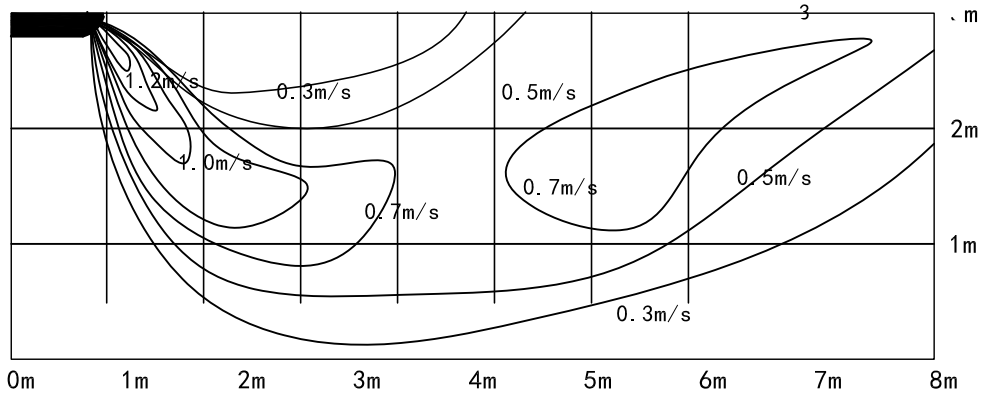
1) Ceiling installation/Cooling/Air velocity distribution



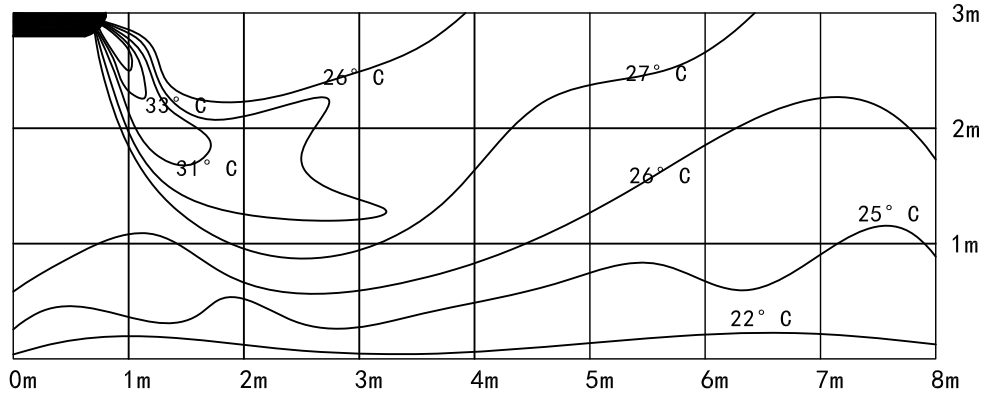
2) Ceiling installation/Cooling/Air temperature distribution



3) Ceiling installation/Heating/Air velocity distribution

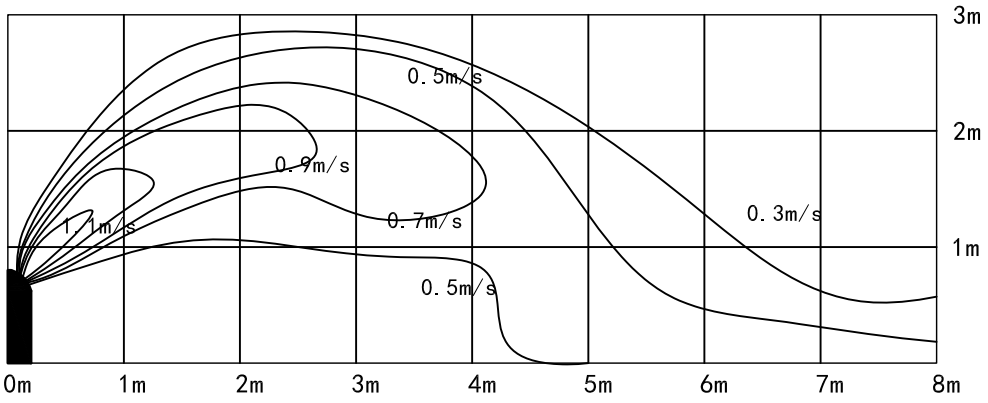


4) Ceiling installation/Heating/Air temperature distribution

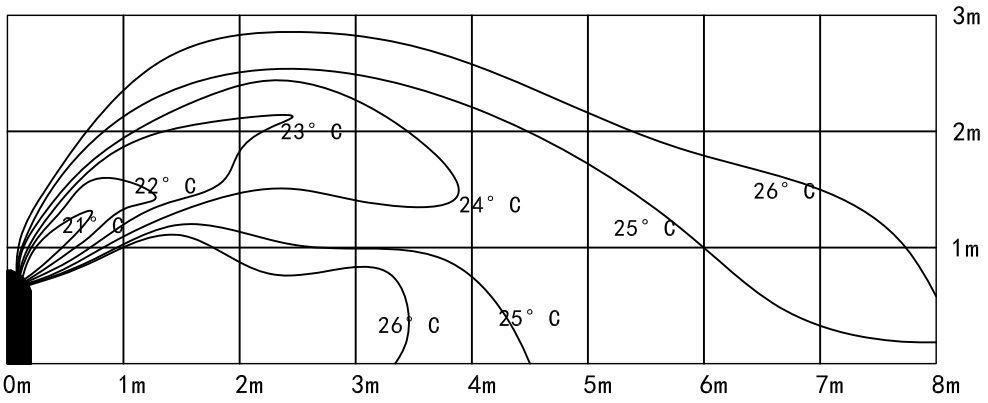


7. AIR FLOW DISTRIBUTION

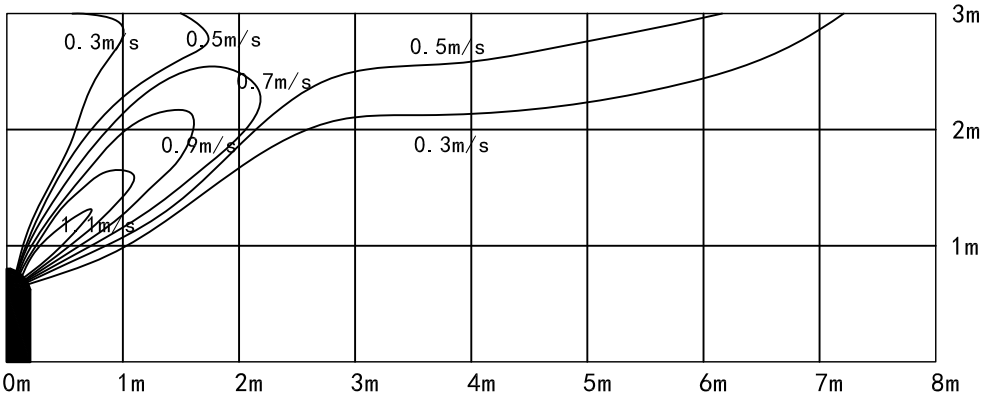
5) Floor installation/Cooling/Air velocity distribution



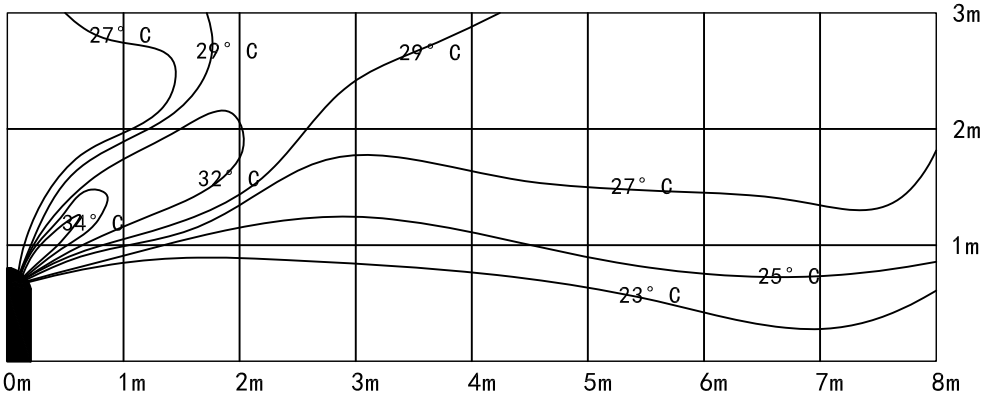
6) Floor installation/Cooling/Air temperature distribution



7) Floor installation/Heating/Air velocity distribution



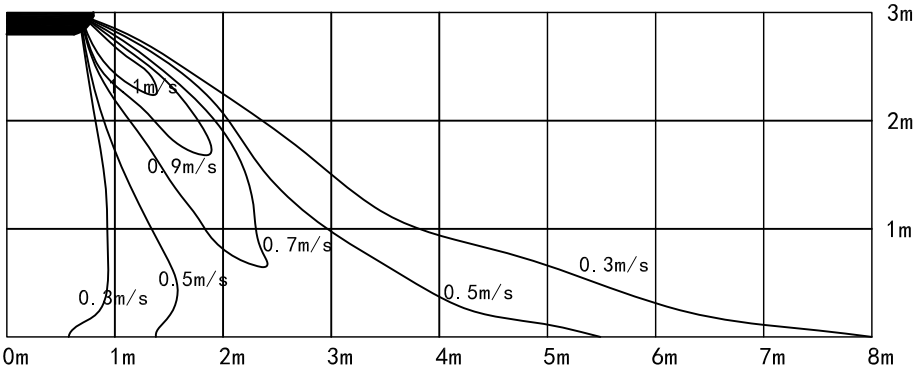
8) Floor installation/Heating/Air temperature distribution



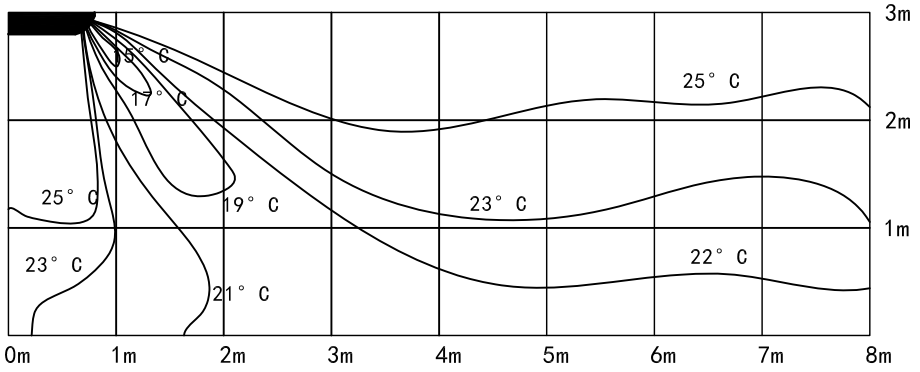
7. AIR FLOW DISTRIBUTION

3.5HP

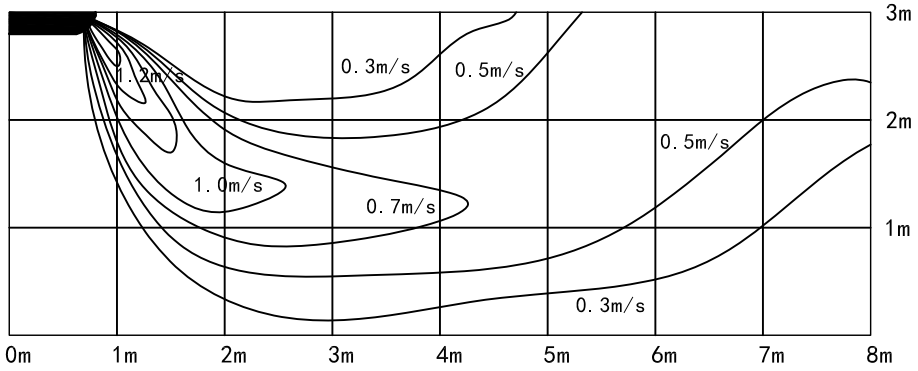
1) Ceiling installation/Cooling/Air velocity distribution



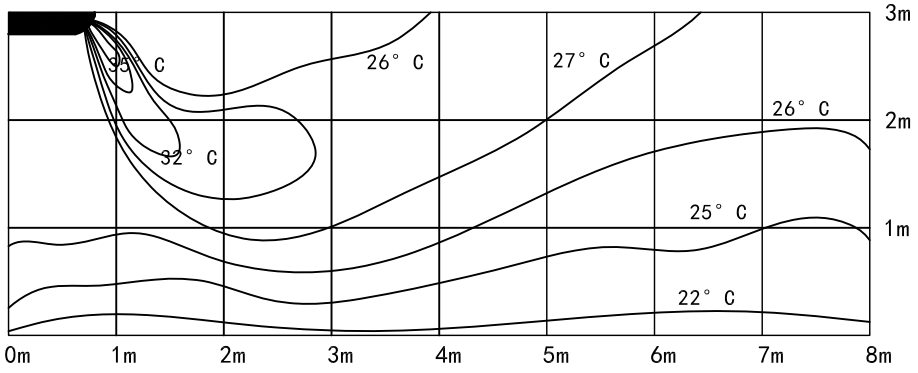
2) Ceiling installation/Cooling/Air temperature distribution



3) Ceiling installation/Heating/Air velocity distribution

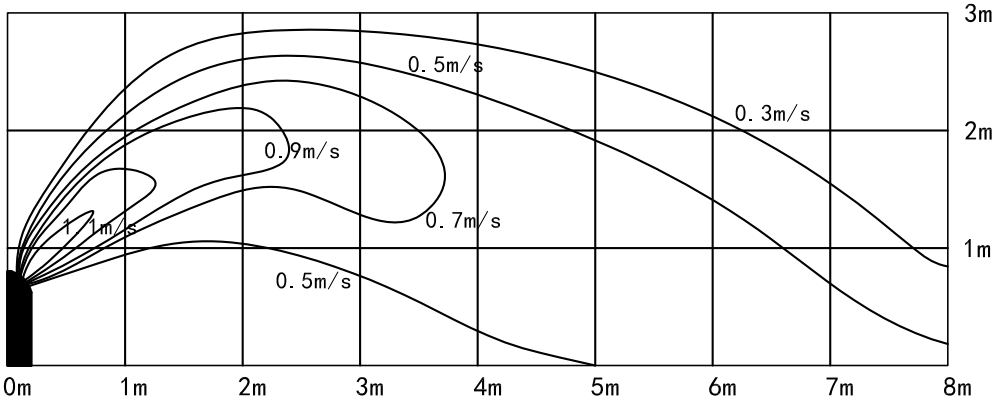


4) Ceiling installation/Heating/Air temperature distribution

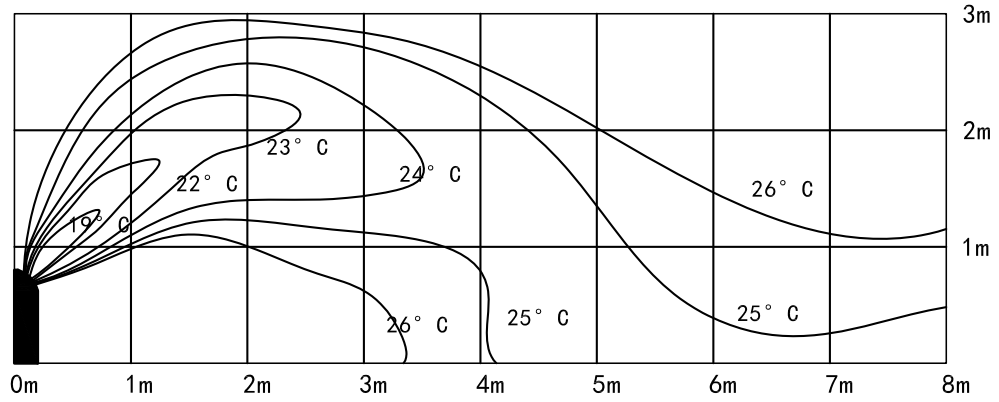


7. AIR FLOW DISTRIBUTION

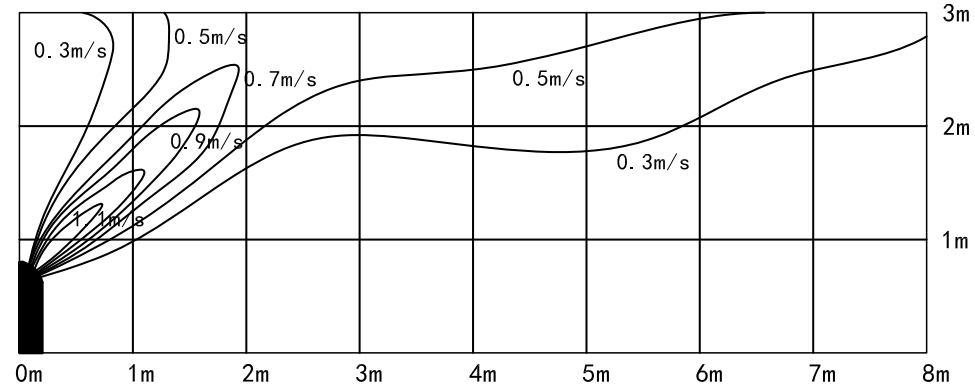
5) Floor installation/Cooling/Air velocity distribution



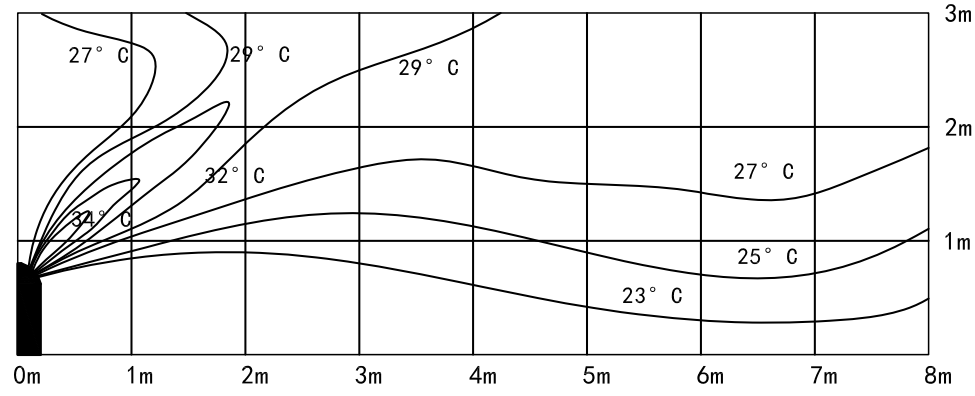
6) Floor installation/Cooling/Air temperature distribution



7) Floor installation/Heating/Air velocity distribution



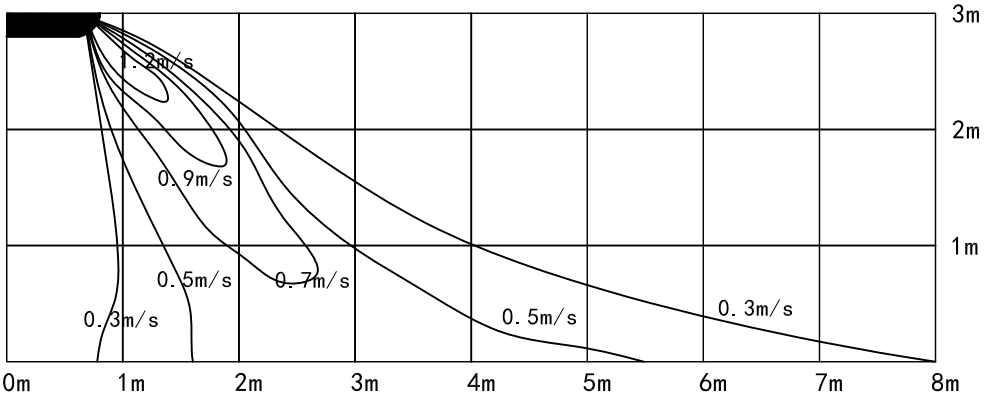
8) Floor installation/Heating/Air temperature distribution



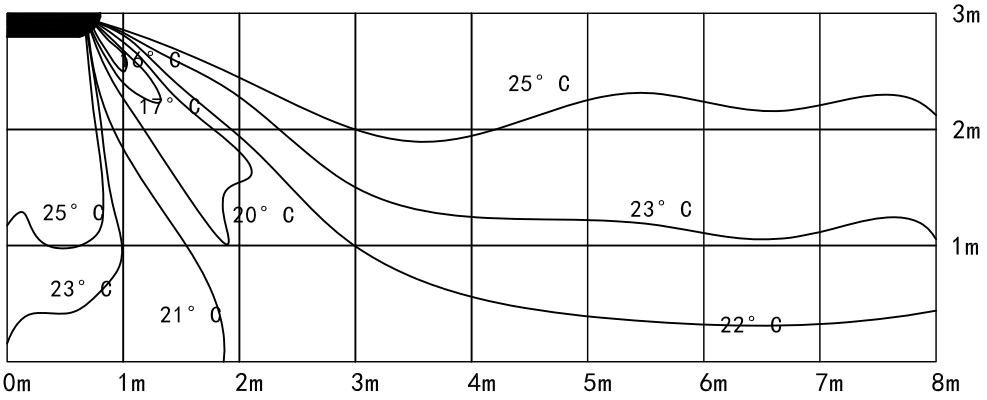
7. AIR FLOW DISTRIBUTION

4.0HP

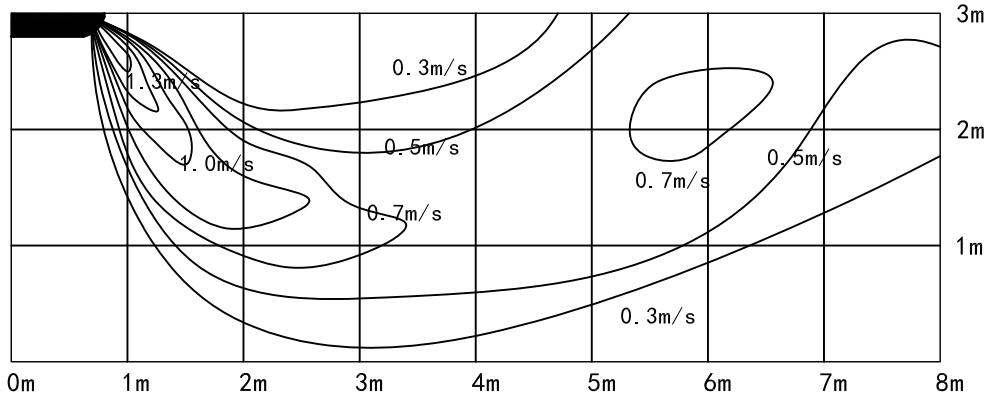
1) Ceiling installation/Cooling/Air velocity distribution



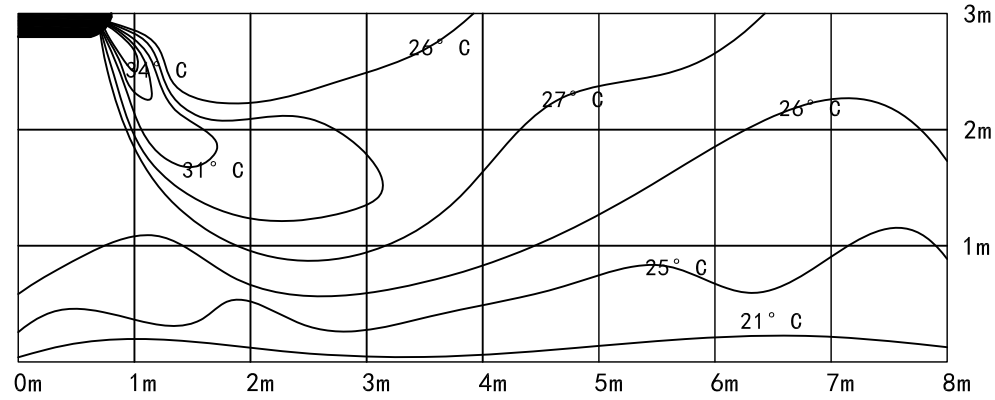
2) Ceiling installation/Cooling/Air temperature distribution



3) Ceiling installation/Heating/Air velocity distribution

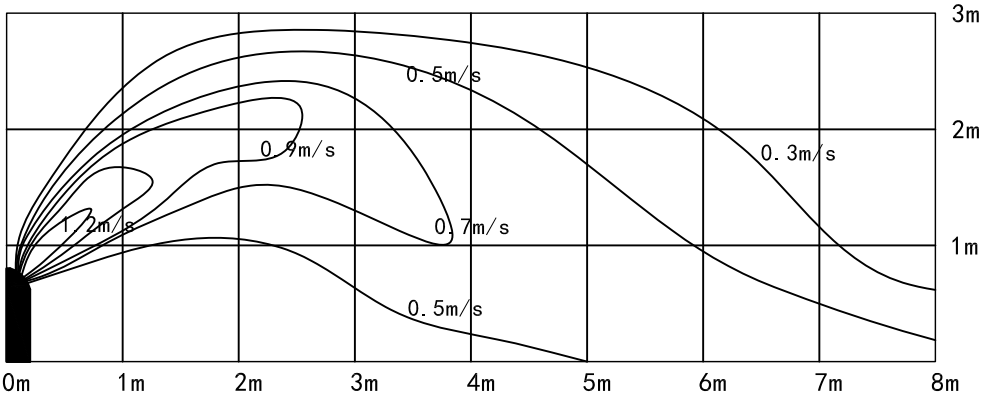


4) Ceiling install/Heating/Air temperature distribution

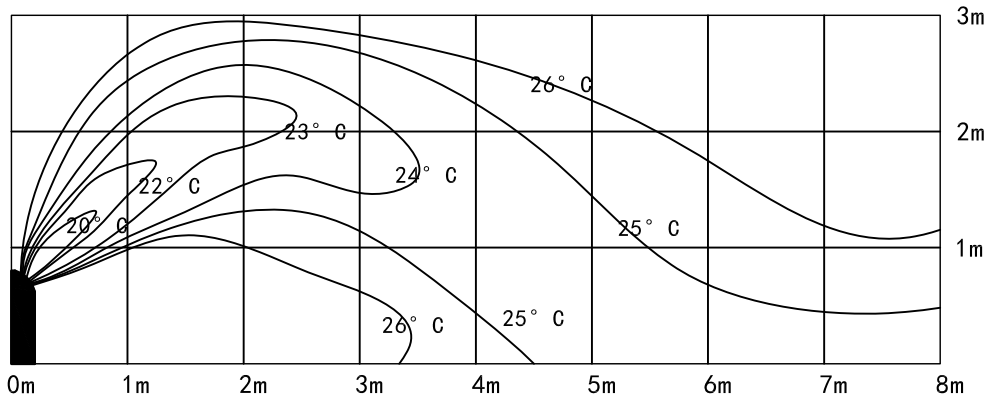


7. AIR FLOW DISTRIBUTION

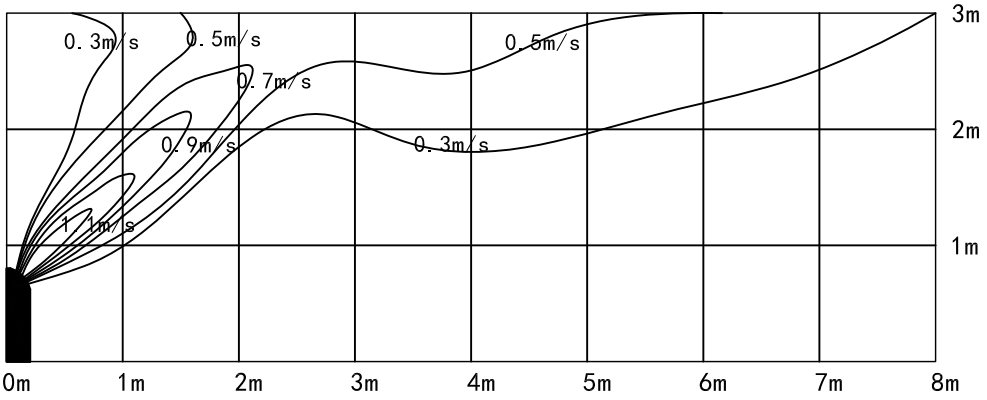
5) Floor installation/Cooling/Air velocity distribution



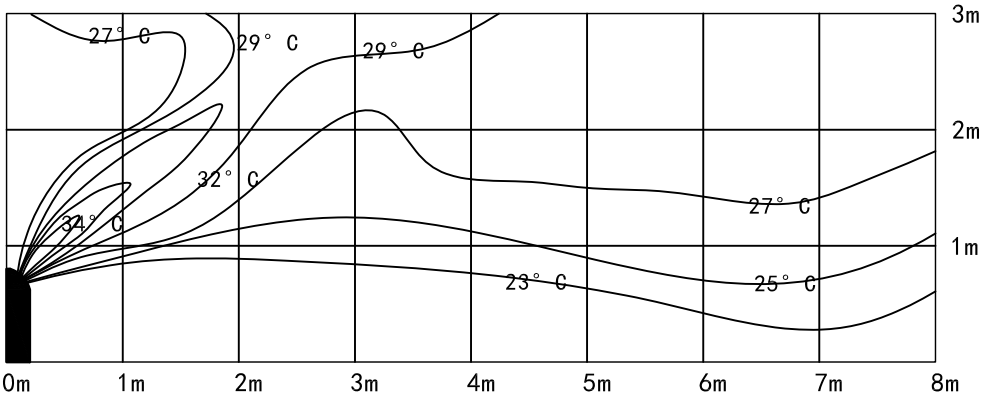
6) Floor installation/Cooling/Air temperature distribution



7) Floor installation/Heating/Air velocity distribution



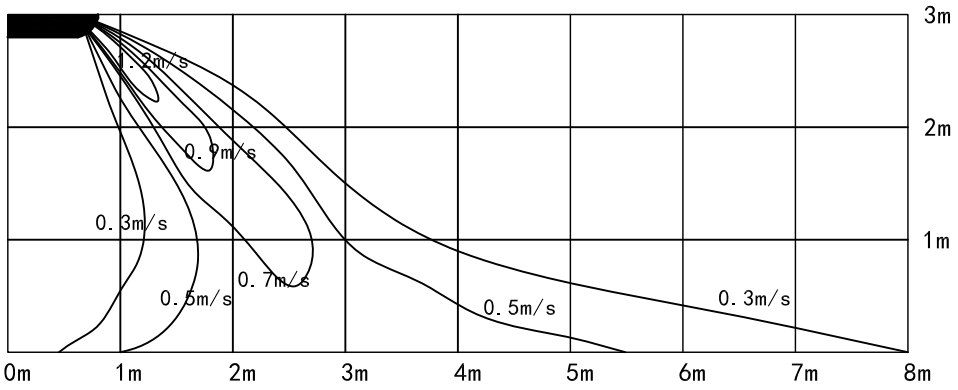
8) Floor installation/Heating/Air temperature distribution



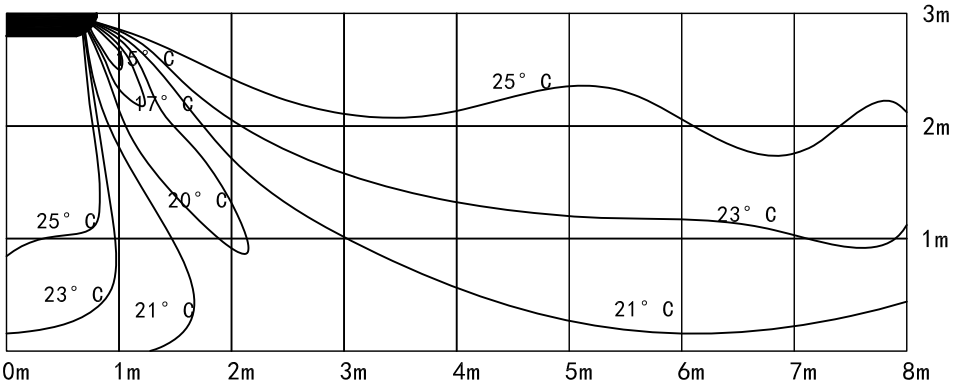
7. AIR FLOW DISTRIBUTION

5.0HP

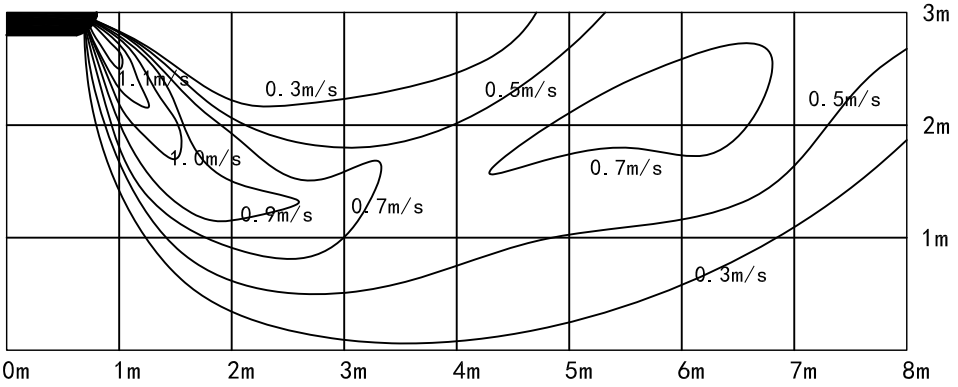
1) Floor installation/Cooling/Air velocity distribution



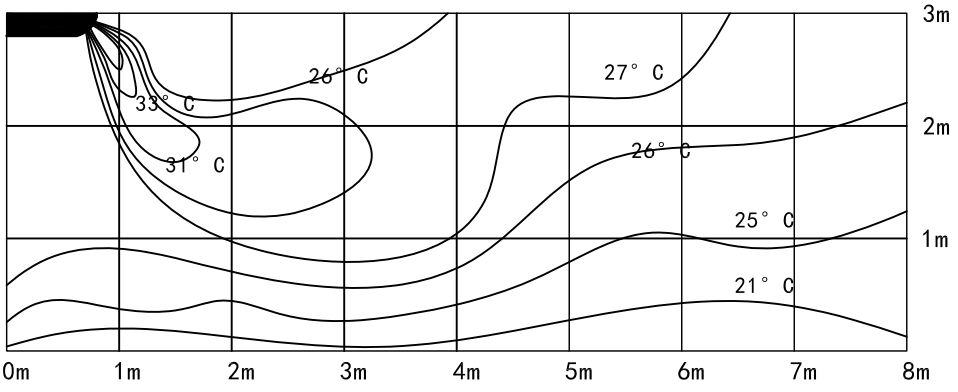
2) Floor installation/Cooling/Air temperature distribution



3) Floor installation/Heating/Air velocity distribution

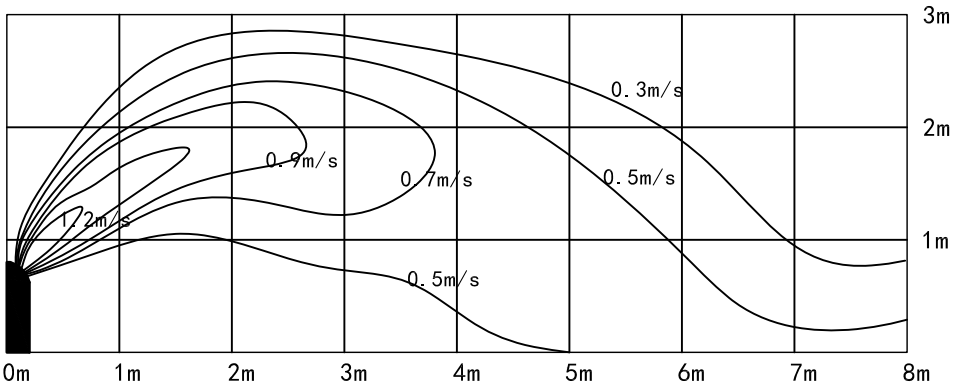


4) Floor installation/Heating/Air temperature distribution

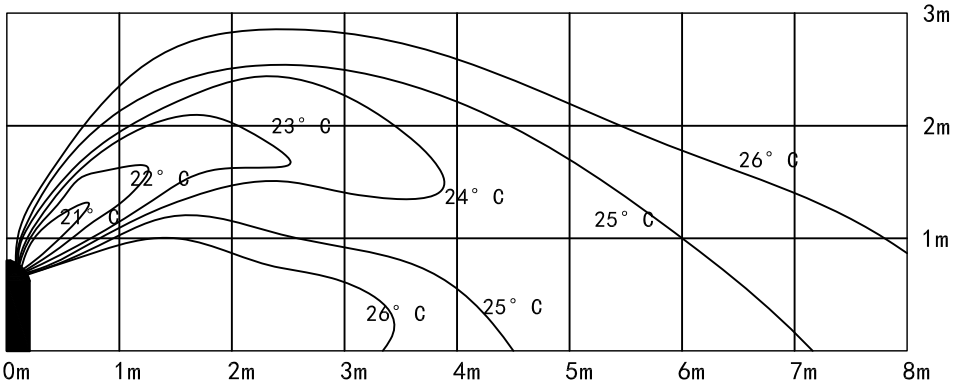


7. AIR FLOW DISTRIBUTION

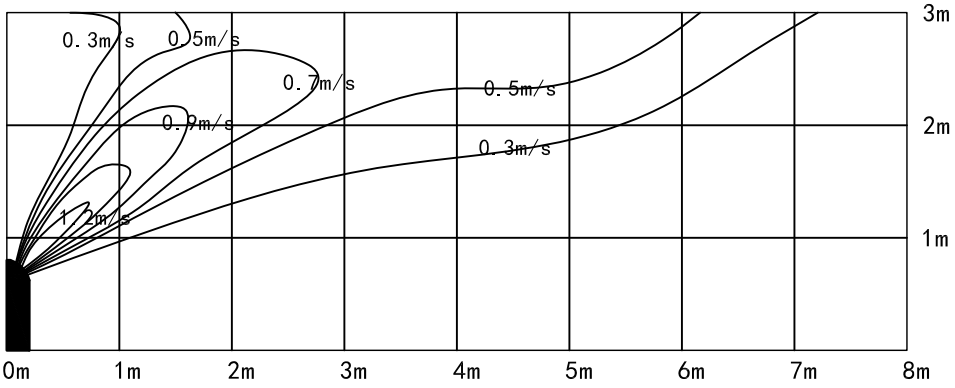
5) Floor installation/Cooling/Air velocity distribution



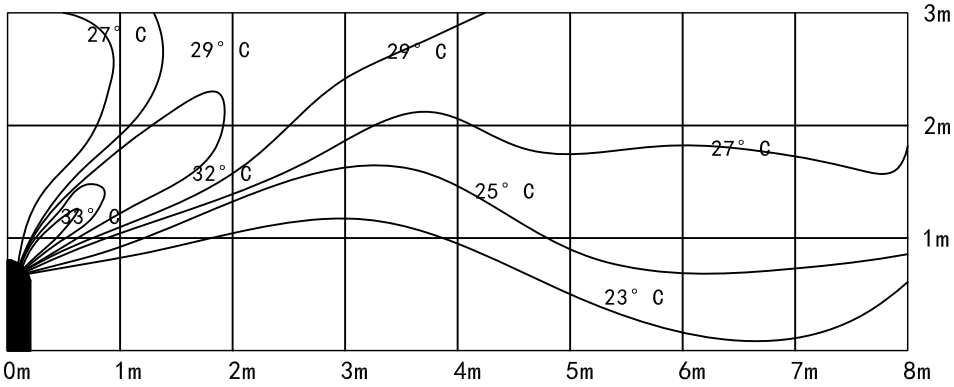
6) Floor installation/Cooling/Air temperature distribution



7) Floor installation/Heating/Air velocity distribution



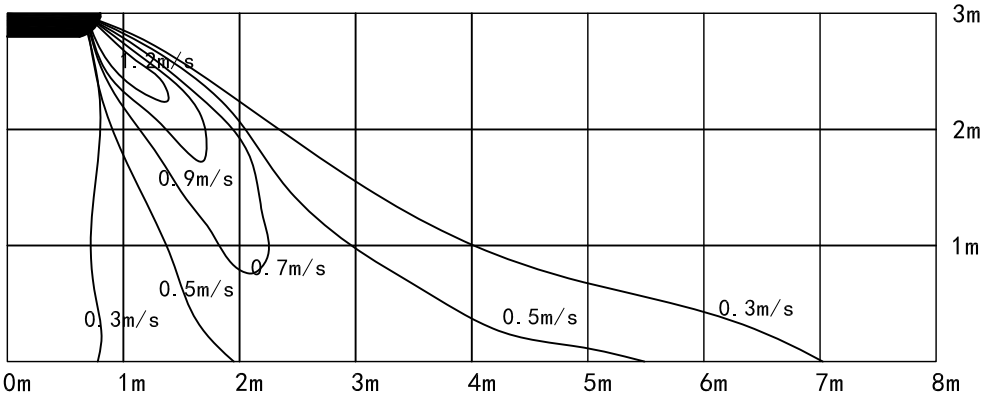
8) Floor installation/Heating/Air temperature distribution



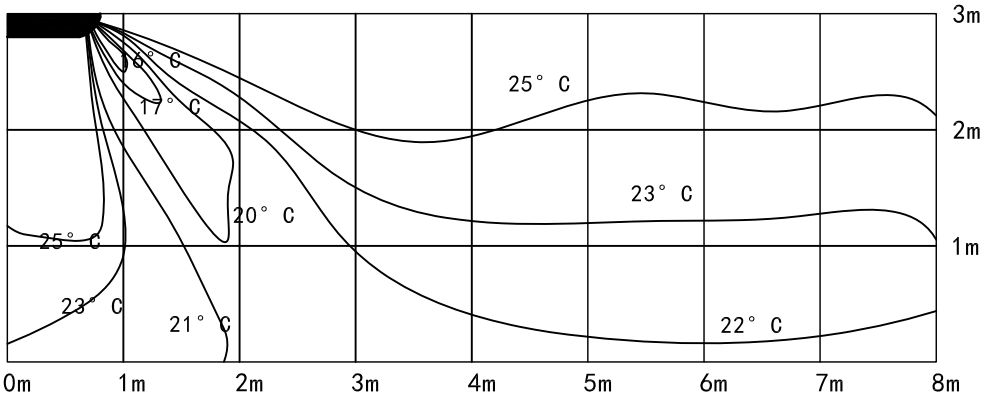
7. AIR FLOW DISTRIBUTION

6.0HP

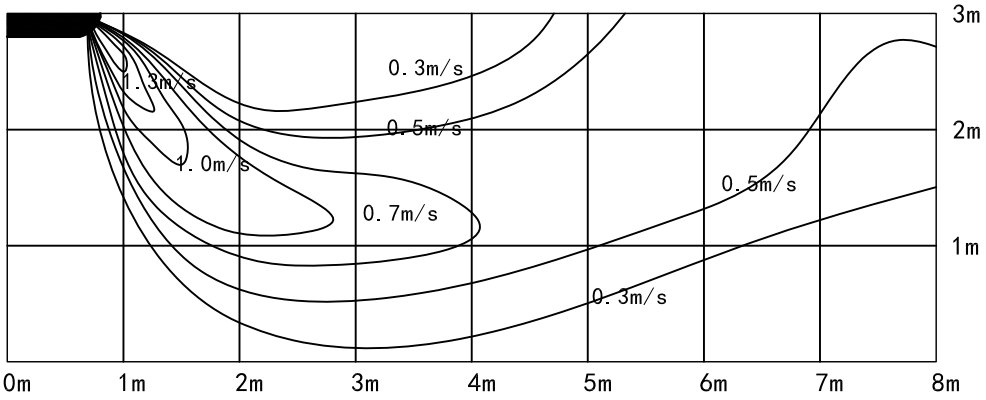
1) Ceiling installation/Cooling/Air velocity distribution



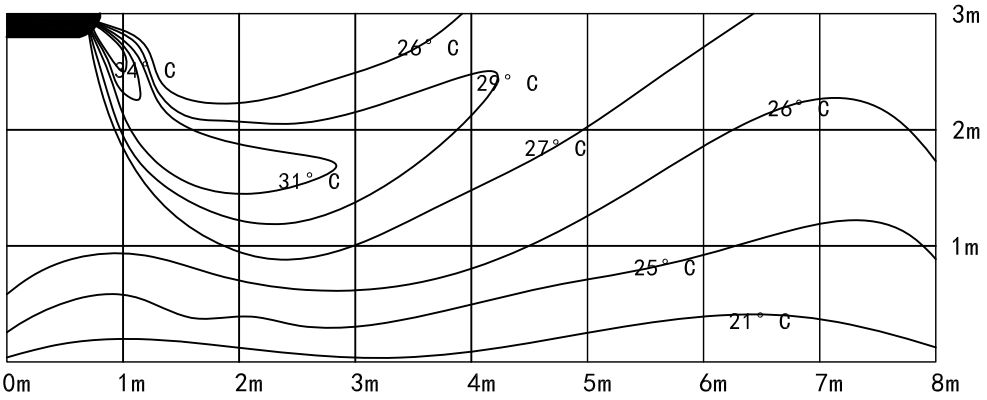
2) Ceiling installation/Cooling/Air temperature distribution



3) Ceiling installation/Heating/Air velocity distribution

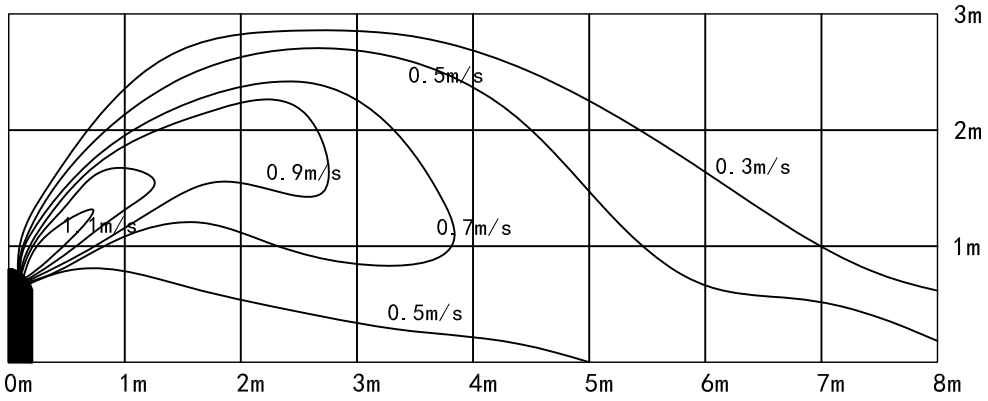


4) Ceiling installation/Heating/Air temperature distribution

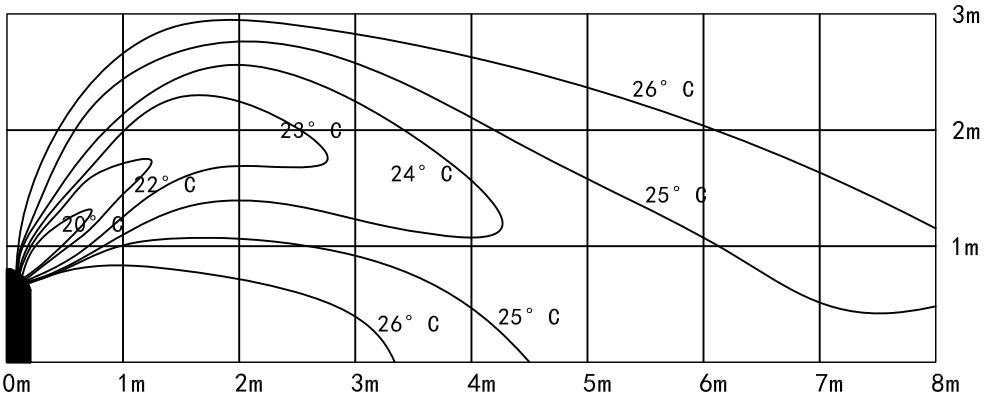


7. AIR FLOW DISTRIBUTION

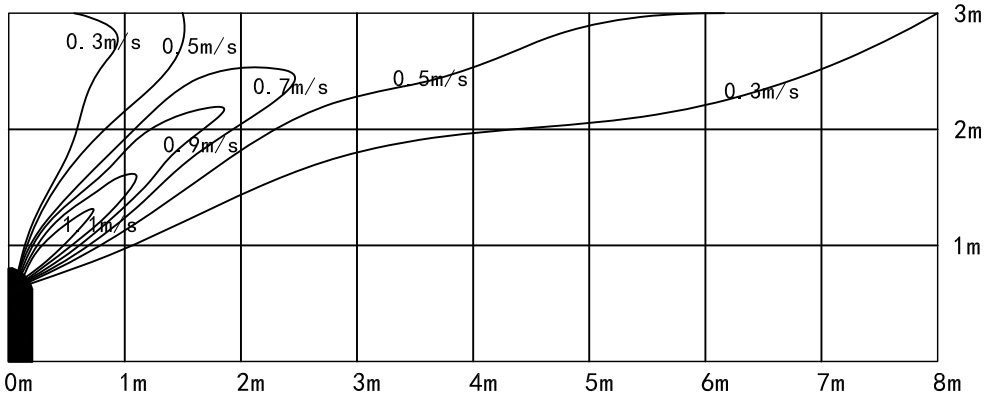
5) Floor installation/Cooling/Air velocity distribution



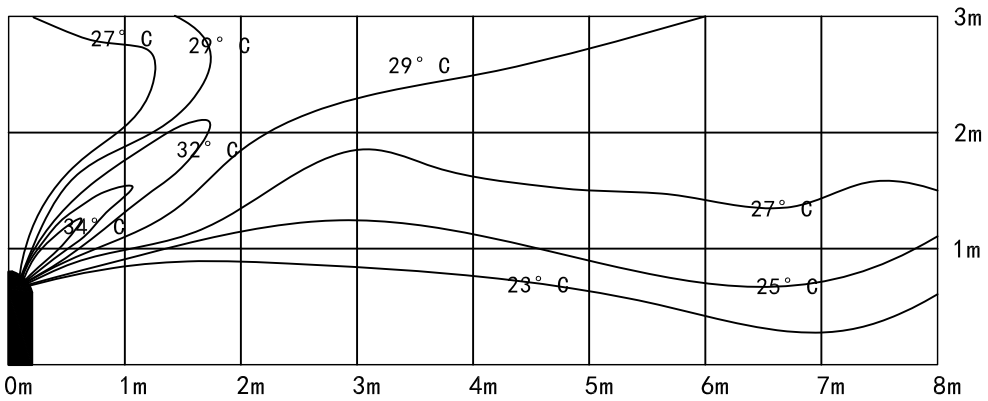
6) Floor installation/Cooling/Air temperature distribution



7) Floor installation/Heating/Air velocity distribution



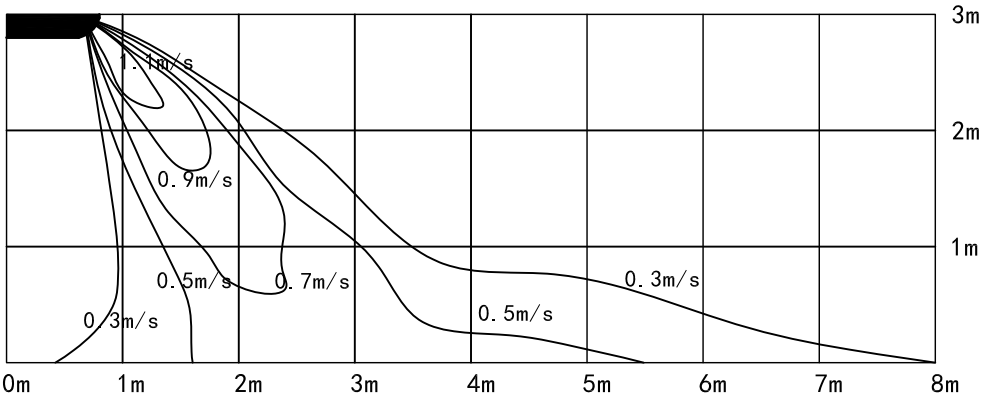
8) Floor installation/Heating/Air temperature distribution



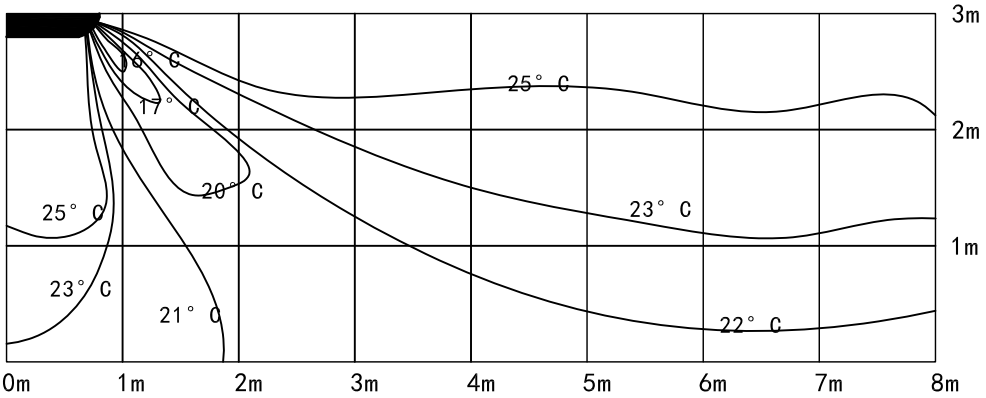
7. AIR FLOW DISTRIBUTION

6.5HP

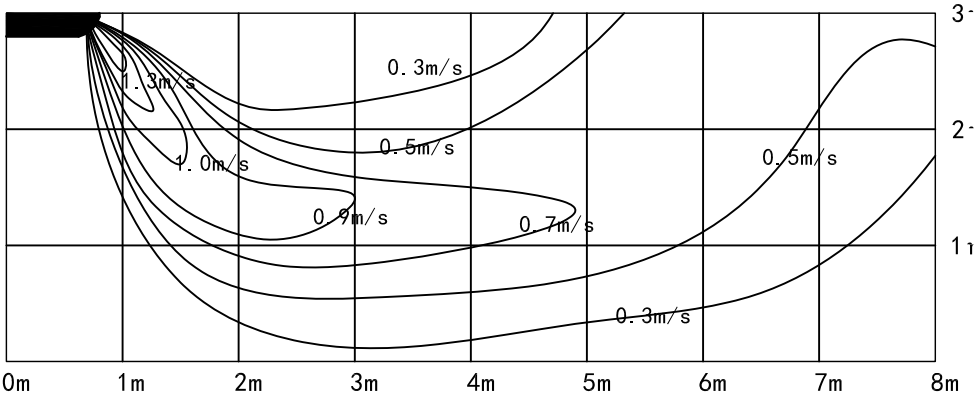
1) Ceiling installation/Cooling/Air velocity distribution



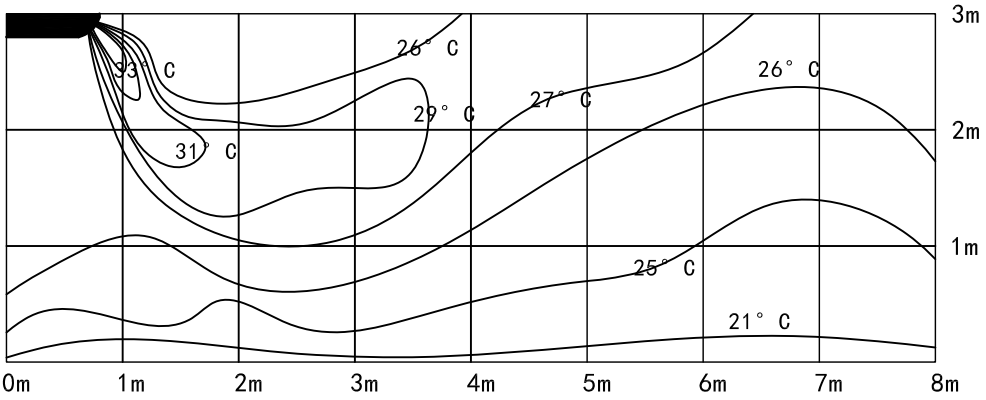
2) Ceiling installation/Cooling/Air temperature distribution



3) Ceiling installation/Heating/Air velocity distribution

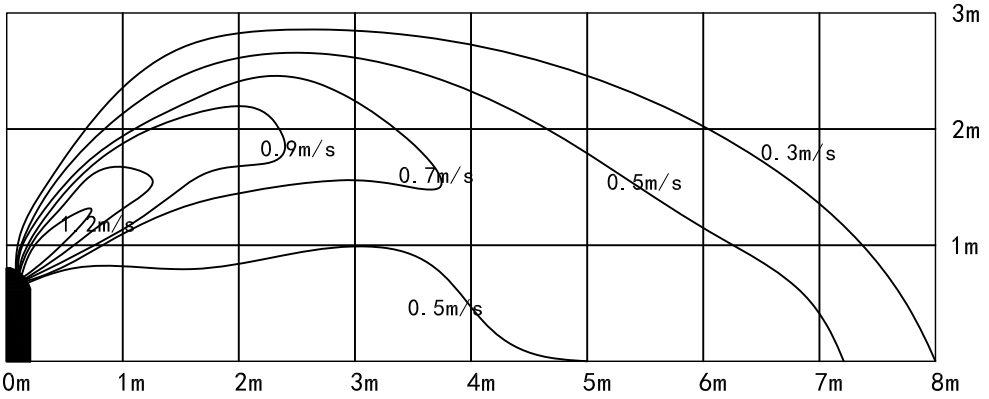


4) Ceiling installation/Heating/Air temperature distribution

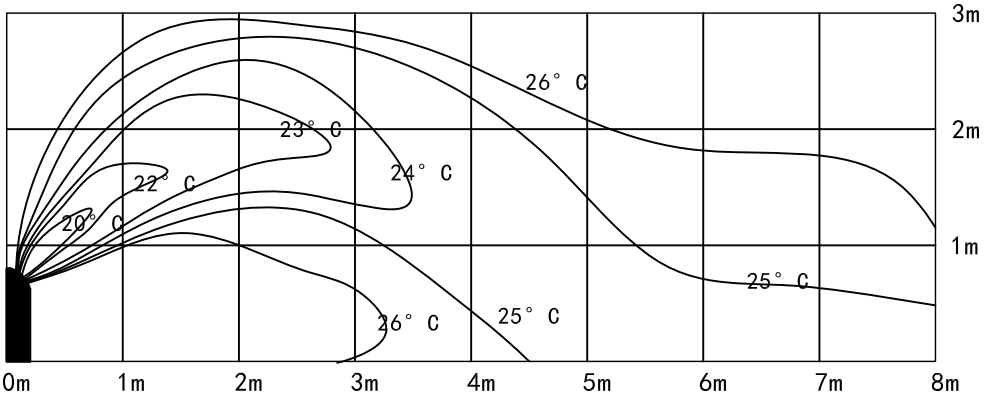


7. AIR FLOW DISTRIBUTION

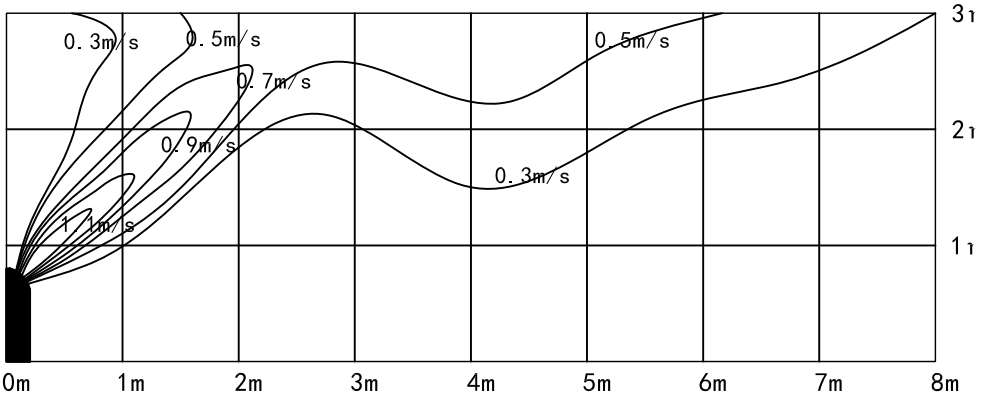
5) Floor installation/Cooling/Air velocity distribution



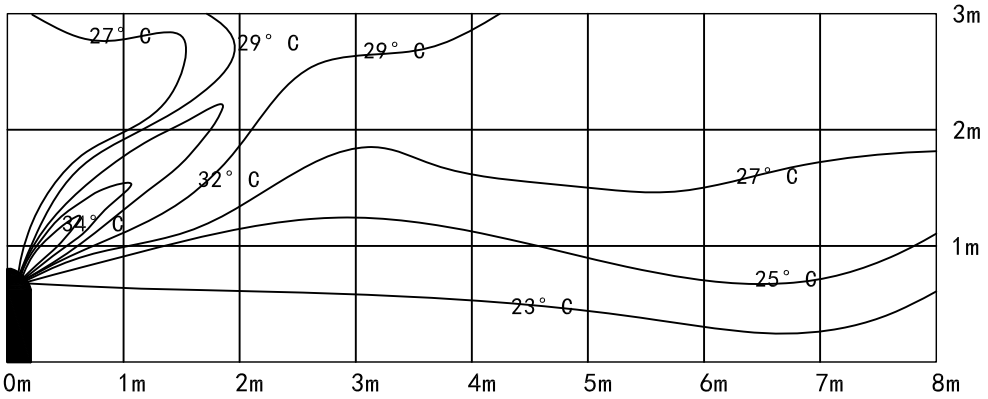
6) Floor installation/Cooling/Air temperature distribution



7) Floor installation/Heating/Air velocity distribution



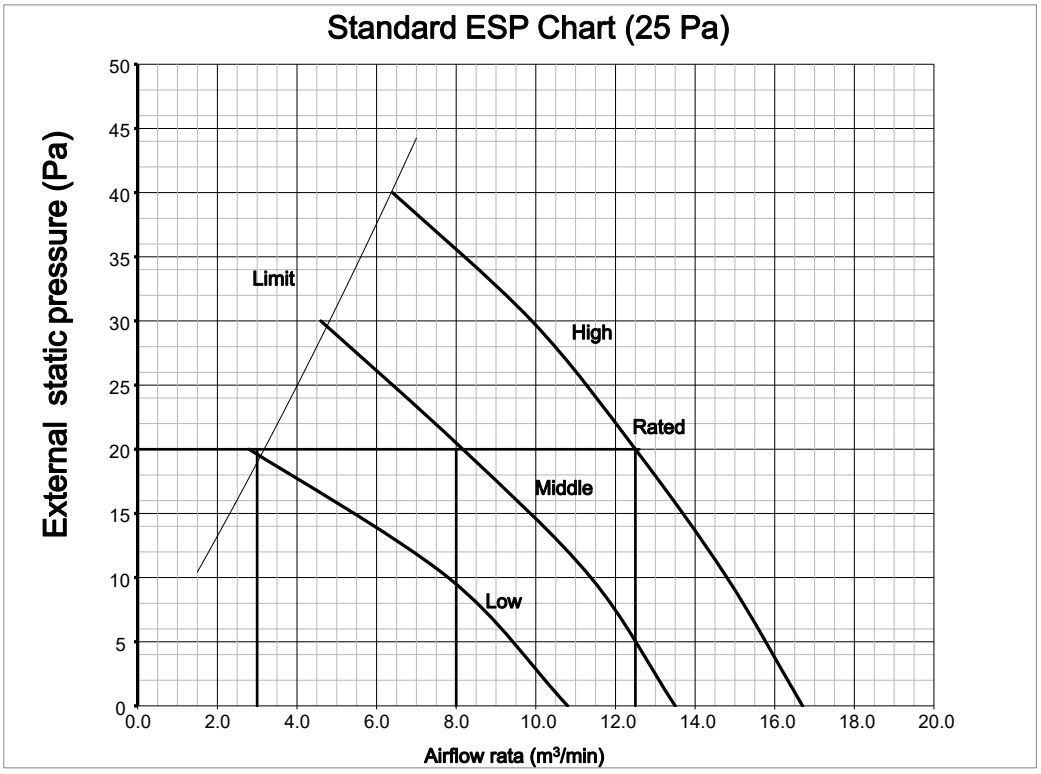
8) Floor installation/Heating/Air temperature distribution

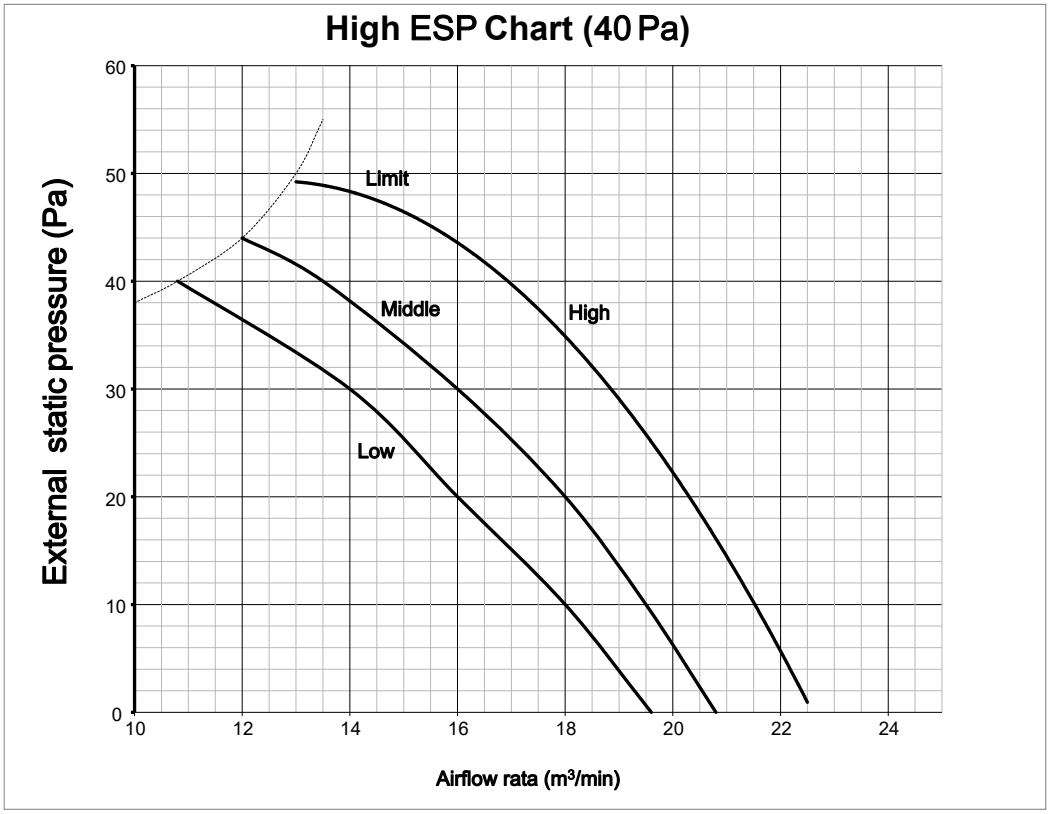


8. ESP (EXTERNAL STATIC PRESSURE) CHART (DUCTED TYPE)

ESP (External Static Pressure) Chart (Ducted Type)

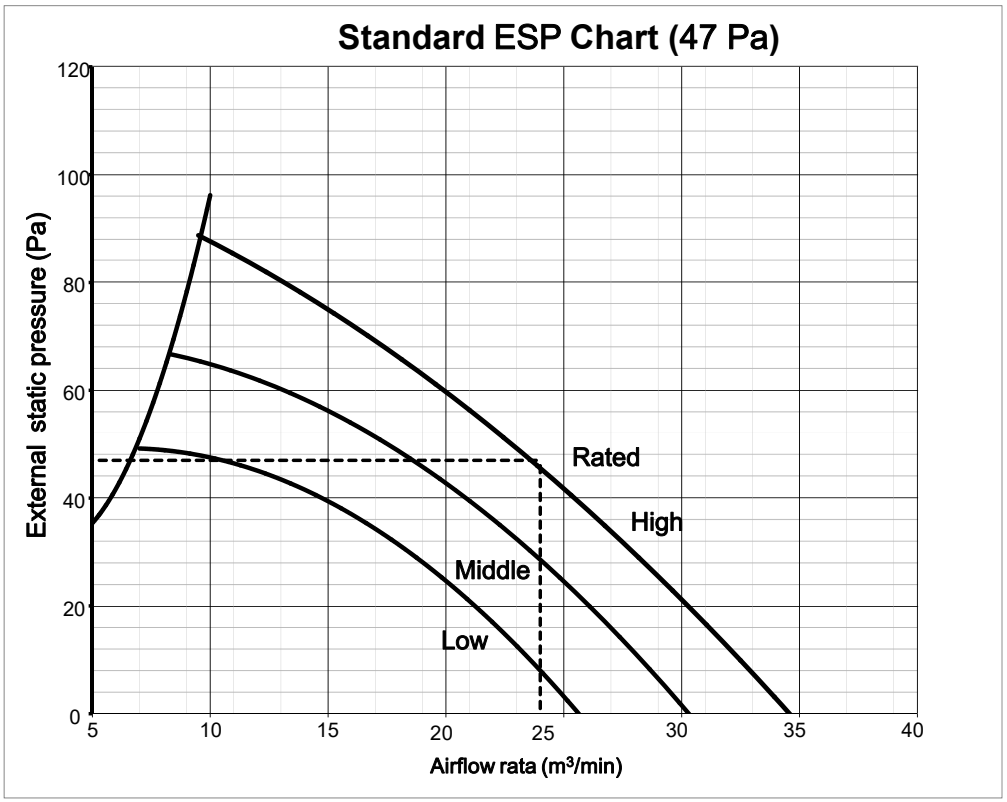
3.0HP

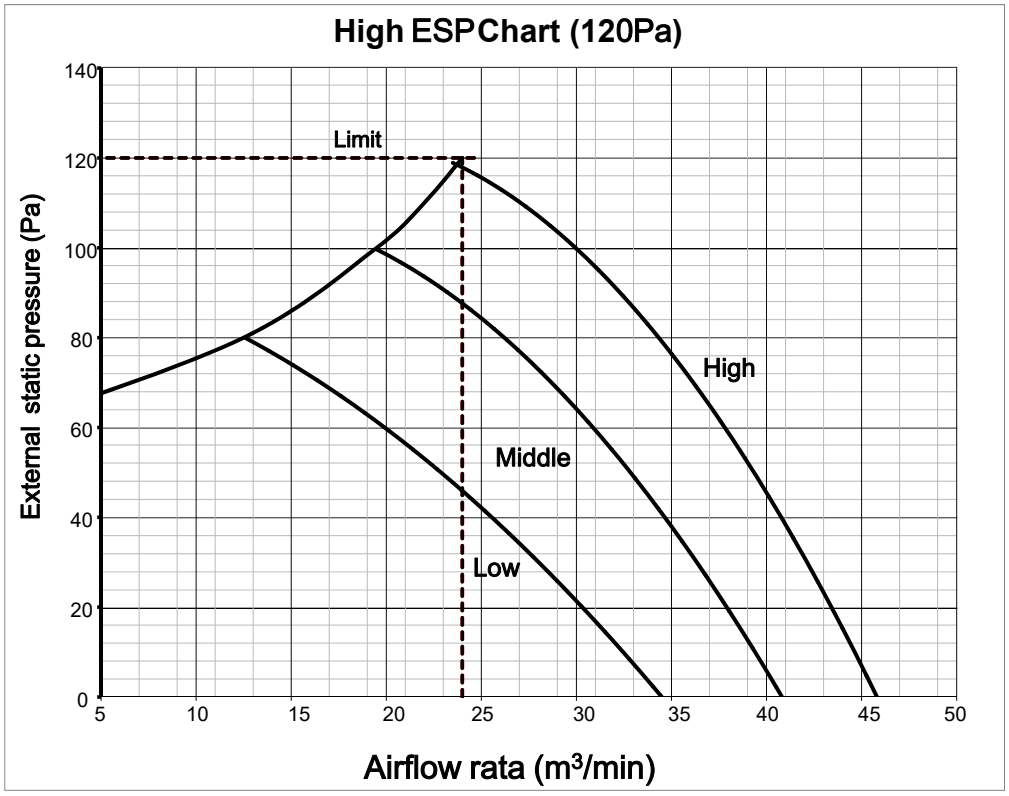




8. ESP (EXTERNAL STATIC PRESSURE) CHART (DUCTED TYPE)

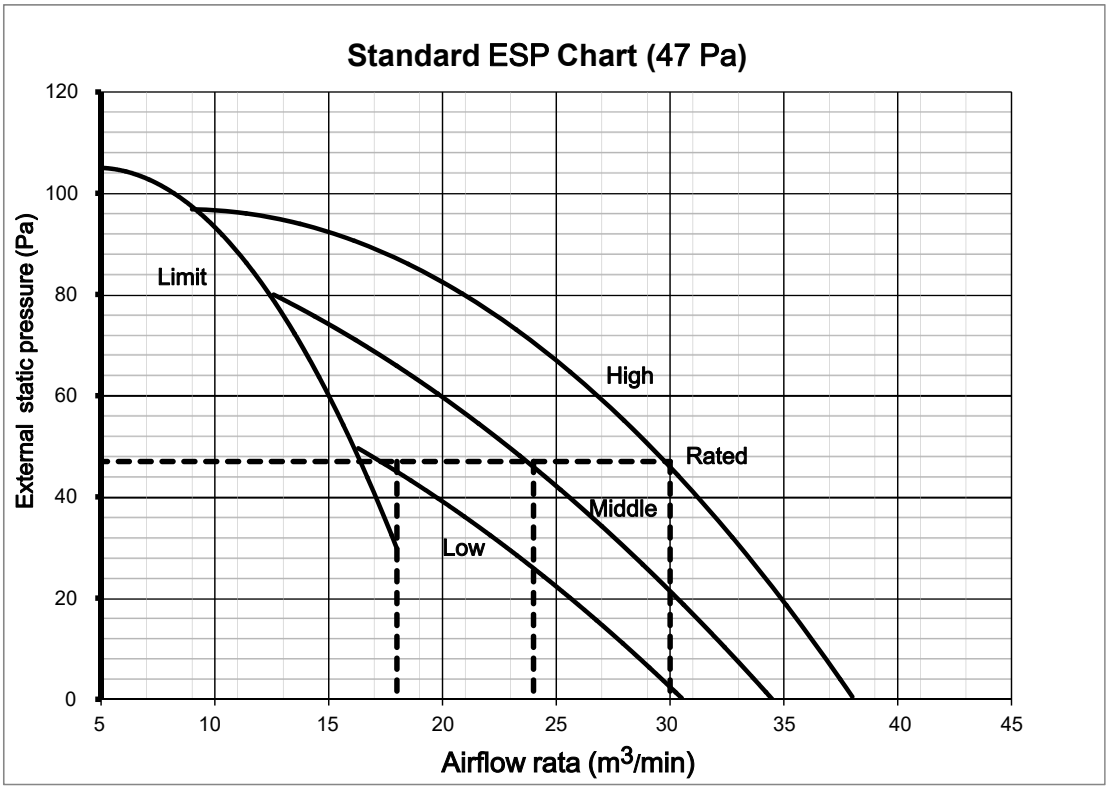
3.5HP

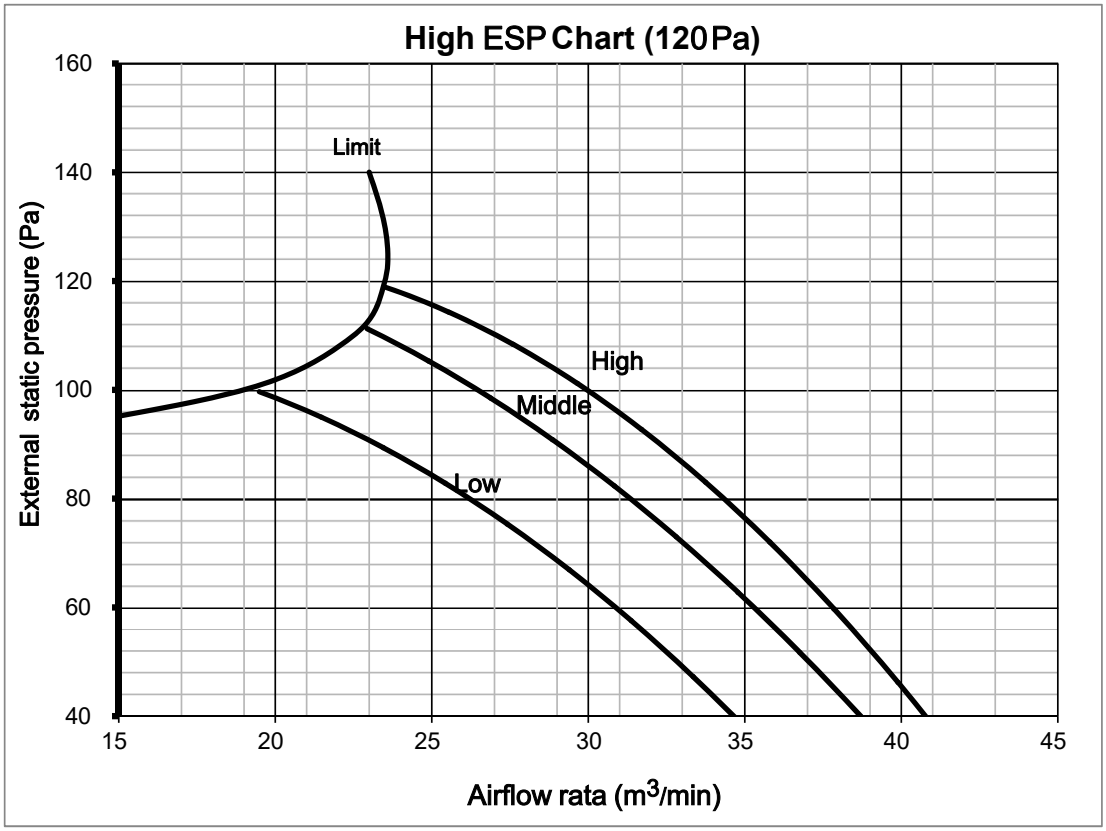




8. ESP (EXTERNAL STATIC PRESSURE) CHART (DUCTED TYPE)

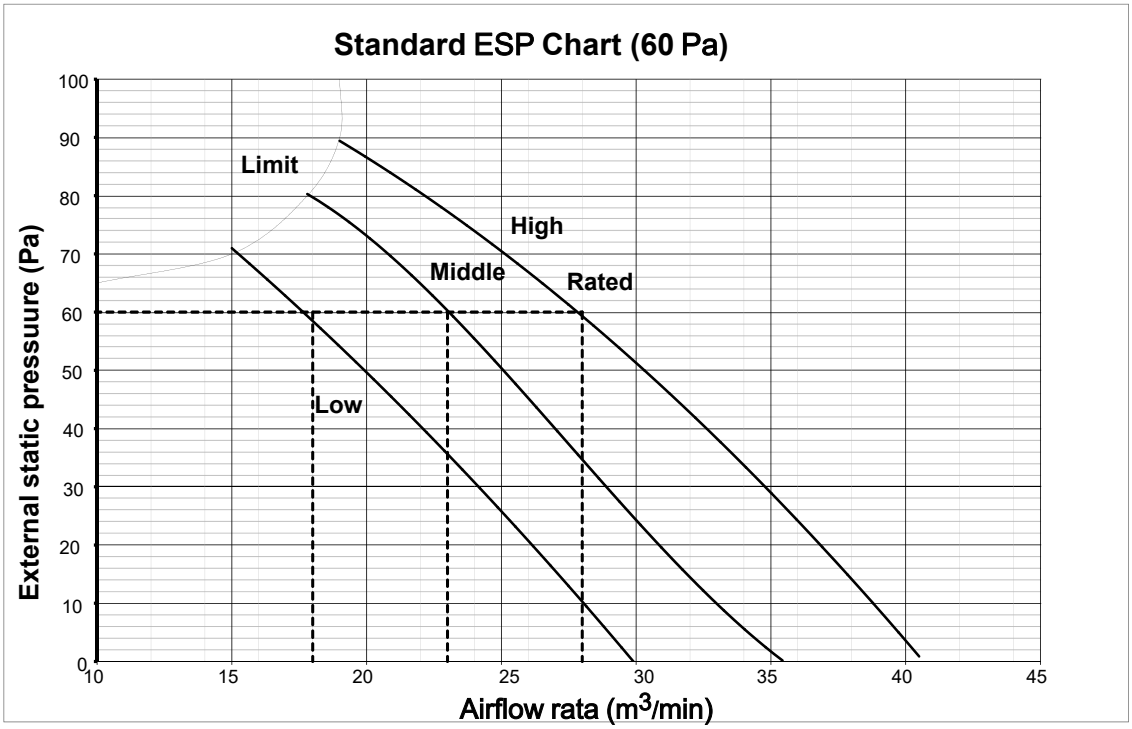
4.0HP

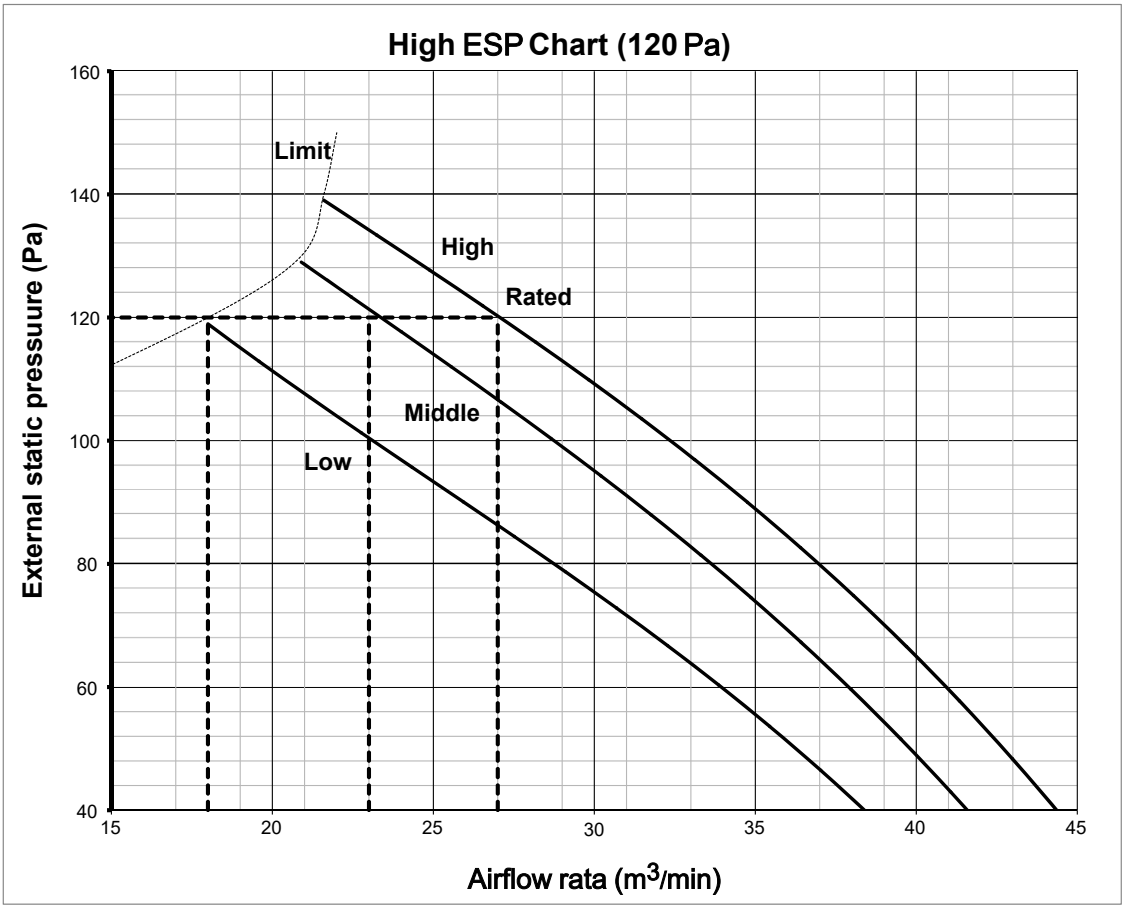




8. ESP (EXTERNAL STATIC PRESSURE) CHART (DUCTED TYPE)

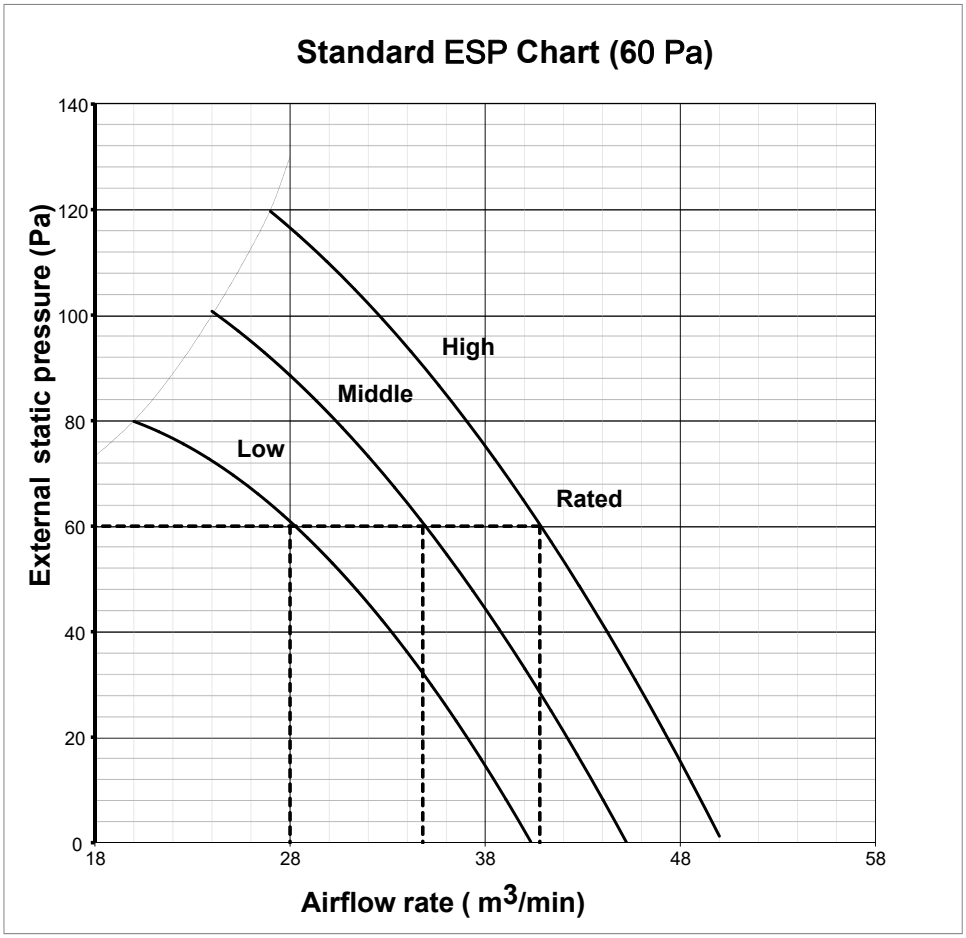
5.0HP

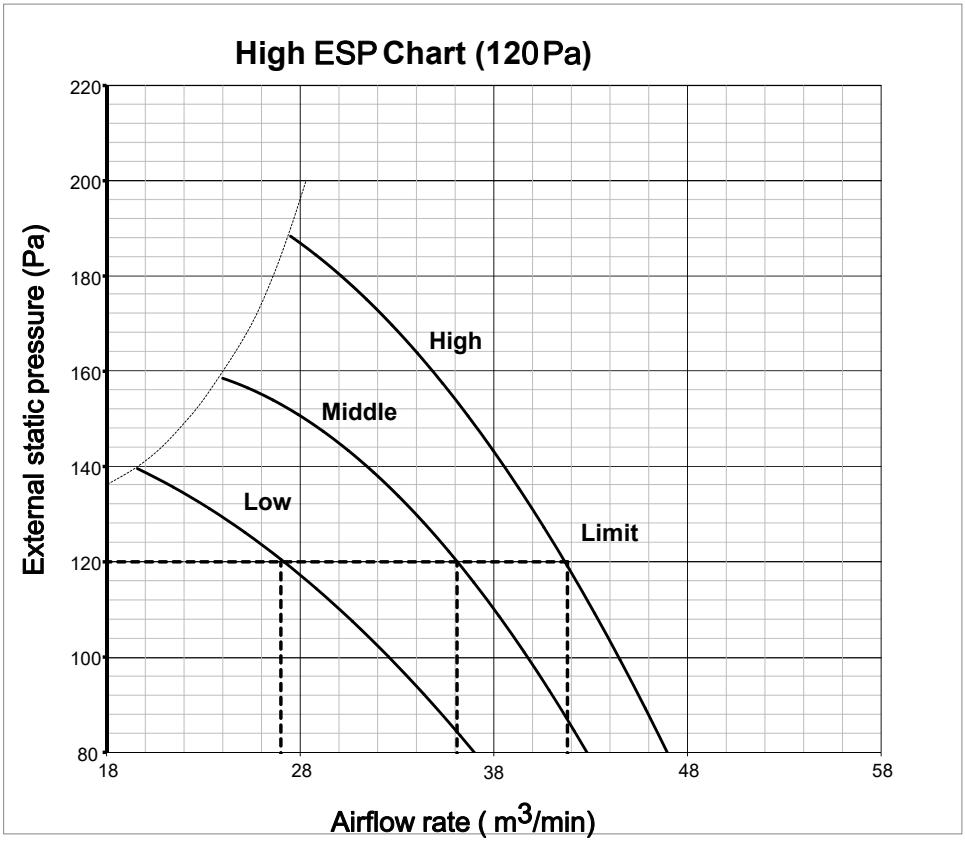




8. ESP (EXTERNAL STATIC PRESSURE) CHART (DUCTED TYPE)

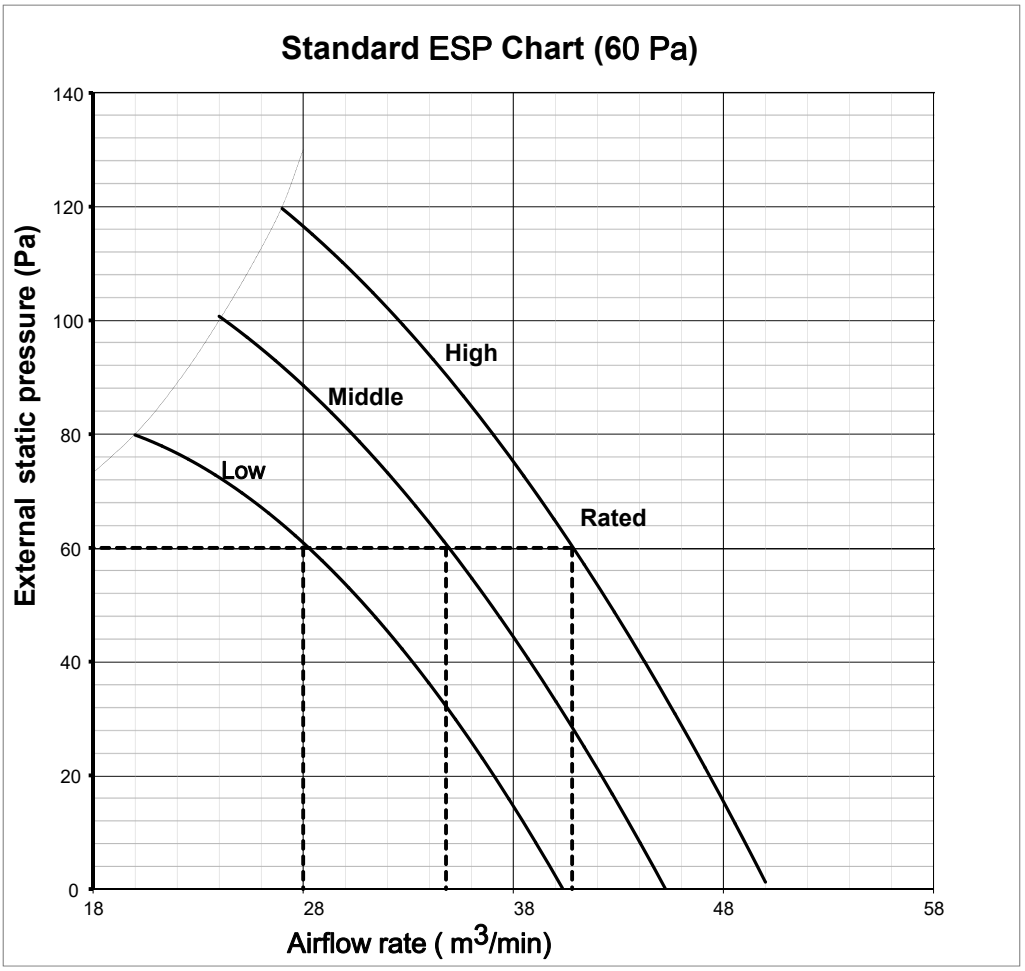
6.0HP

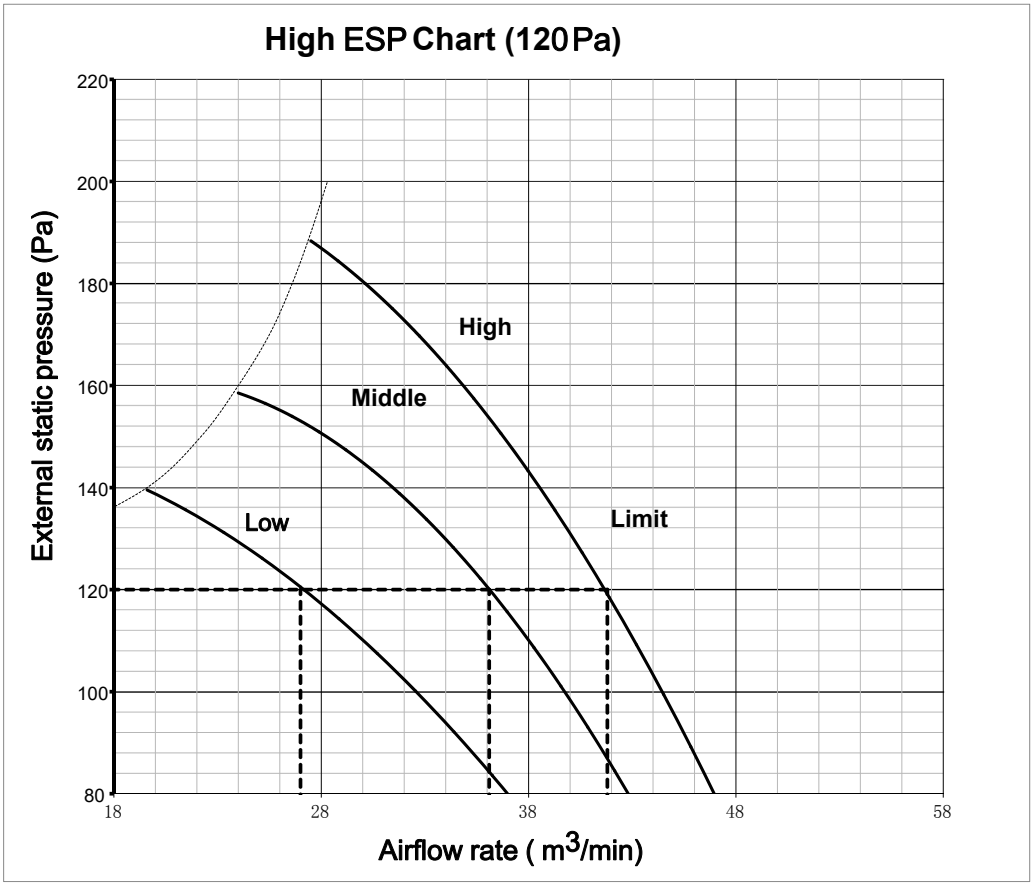




8. ESP (EXTERNAL STATIC PRESSURE) CHART (DUCTED TYPE)

6.5HP

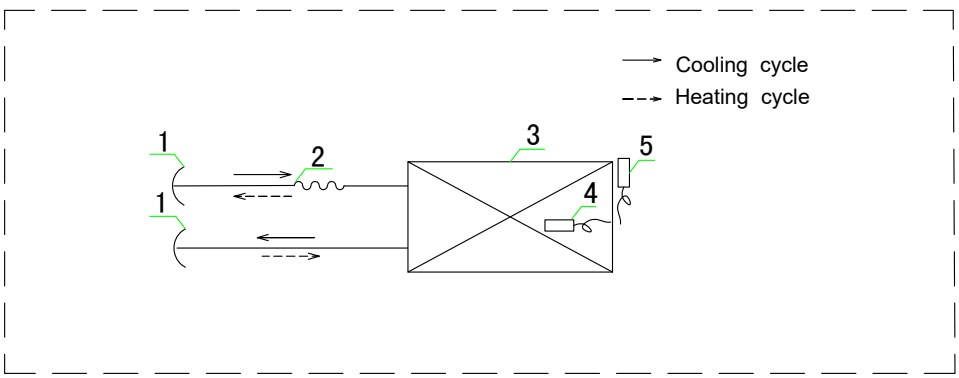




9. REFRIGERANT CYCLE

Refrigerant cycle

Indoor unit

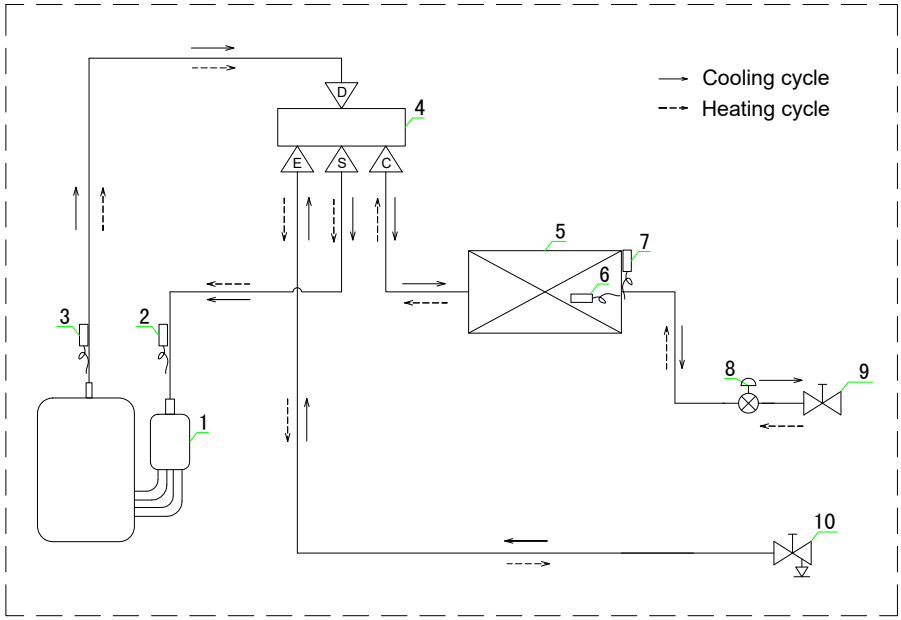


List of components	
1	Hexagon nut
2	Split capillary
3	Indoor heat exchanger
4	Ambient temperature sensor
5	Coil temperature sensor

9. REFRIGERANT CYCLE

Outdoor unit

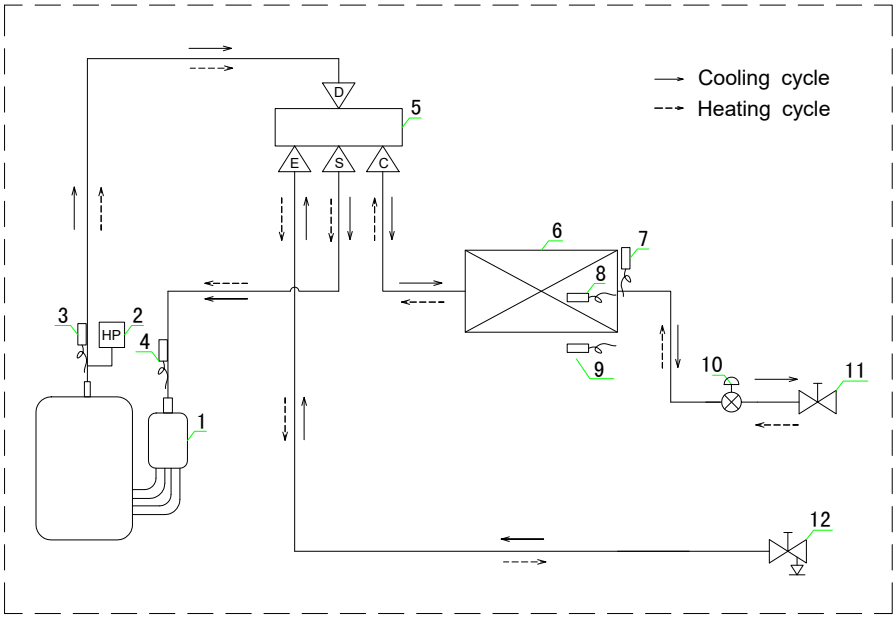
3.0/3.5HP



List of components	
1	Compressor
2	Suction temperature sensor
3	Discharge temperature sensor
4	4-way valve
5	Outdoor heat exchanger
6	Ambient temperature sensor
7	Coil temperature sensor
8	Electronic expansion valve
9	Stop valve (Liquid)
10	Stop valve (Gas)

9. REFRIGERANT CYCLE

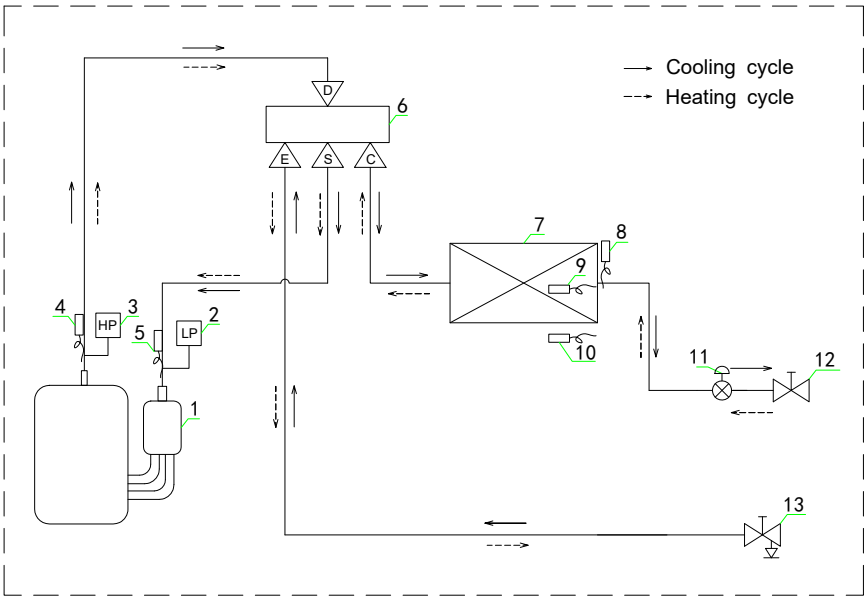
4.0HP



List of components			
1	Compressor	7	Coil temperature sensor
2	High pressure switch	8	Defrost temperature sensor
3	Discharge temperature sensor	9	Ambient temperature sensor
4	Suction temperature sensor	10	Electronic expansion valve
5	4-Way valve	11	Stop valve (Liquid)
6	Outdoor heat exchanger	12	Stop valve (Gas)

9. REFRIGERANT CYCLE

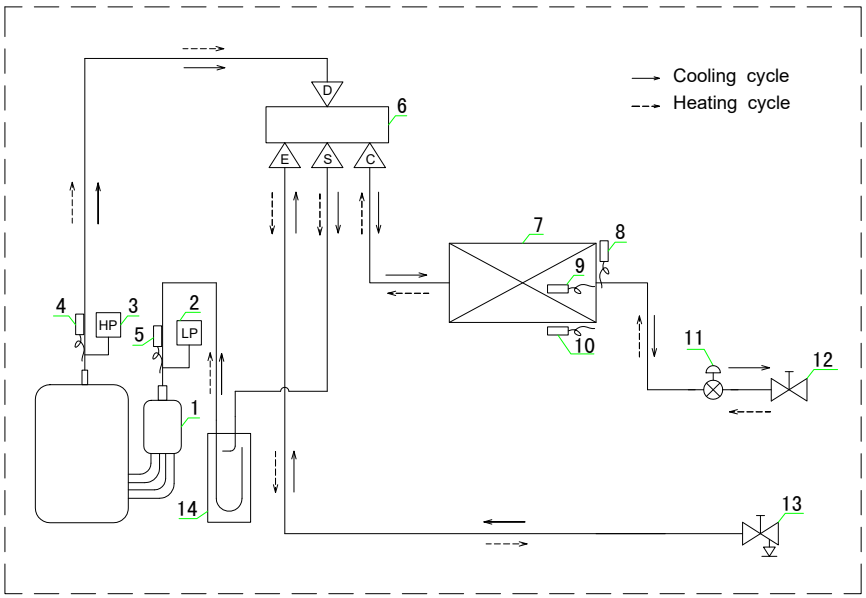
5.0HP



List of components			
1	Compressor	8	Defrost temperature sensor
2	Low pressure switch	9	Coil temperature sensor
3	High pressure switch	10	Ambient temperature sensor
4	Discharge temperature sensor	11	Electronic expansion valve
5	Suction temperature sensor	12	Stop valve
6	4-Way valve	13	Stop valve
7	Outdoor heat exchanger		

9. REFRIGERANT CYCLE

6.0/6.5HP



List of components			
1	Compressor	8	Coil temperature sensor
2	Low pressure switch	9	Ambient temperature sensor
3	High pressure switch	10	Defrost temperature sensor
4	Discharge temperature sensor	11	Electronic expansion valve
5	Suction temperature sensor	12	Stop valve
6	4-Way valve	13	Stop valve
7	Outdoor heat exchanger	14	Gas-liquid separator

10. FRESH AIR INTAKE FUNCTION

Fresh air intake function

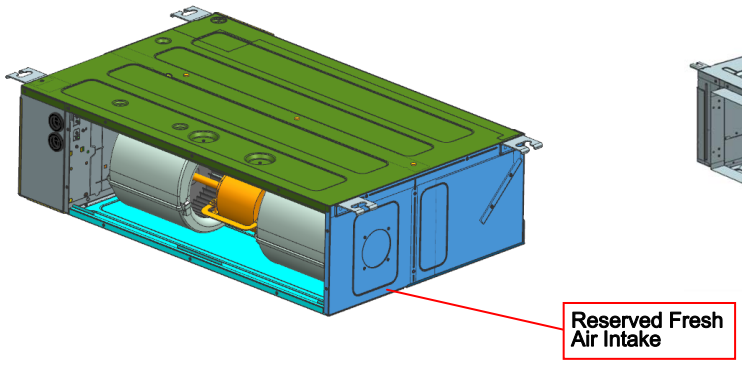
Ducted (3.0/3.5/4.0HP)

Indoor unit can take fresh air from the reserved fresh air intake, the size of the fresh air intake hole is Φ65mm (3.0HP), Φ125mm (3.5/4.0HP).

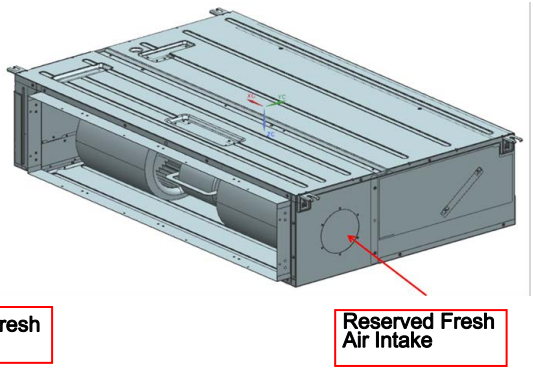
Please follow the steps below when needed.

1) Cut off the reserved metal circular hole on the base board.

2) Connect air duct with the fresh air intake.



3.0HP



3.5/4.0HP

Cassette

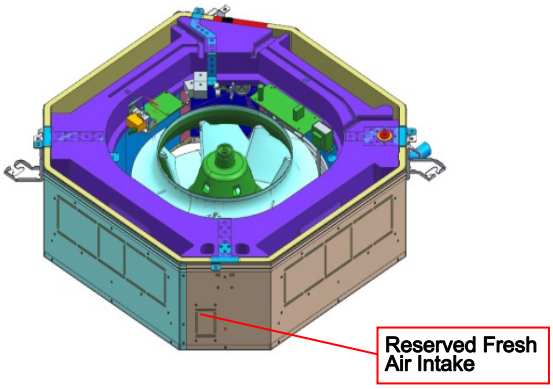
Indoor unit can take fresh air from the reserved fresh air intake, the size of the fresh air intake hole is 75×53(mm).

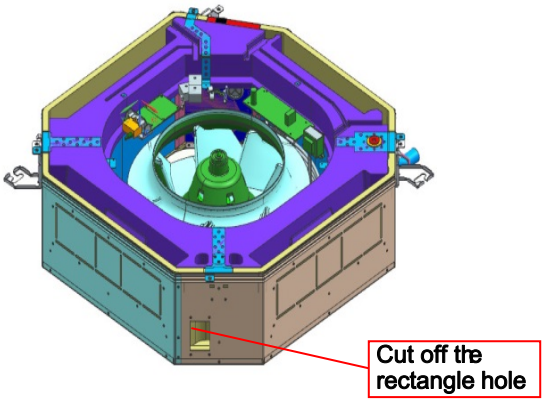
Please follow the steps below when needed.

1) Cut off the reserved metal rectangular hole on the base board.

2) Cut off the foam material on the a rectangular hole.

3) Connect air duct with the fresh air intake.



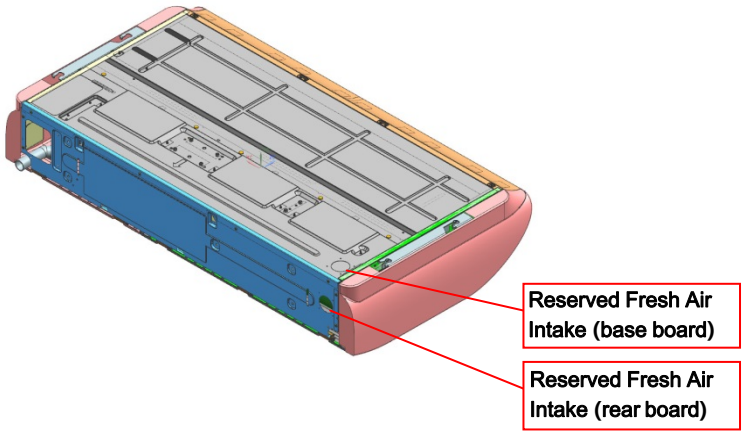


10. FRESH AIR INTAKE FUNCTION

Floor ceiling

The floor ceiling indoor units are provided with fresh air function. Indoor unit can take the fresh air from the reserved fresh air intake, the size of the fresh air intake hole is Φ50(mm). Please follow the steps below when needed.

1) Cut off the reserved metal circular hole on the base board or rear board according to installation location.
2) Connect air duct with the fresh air intake.

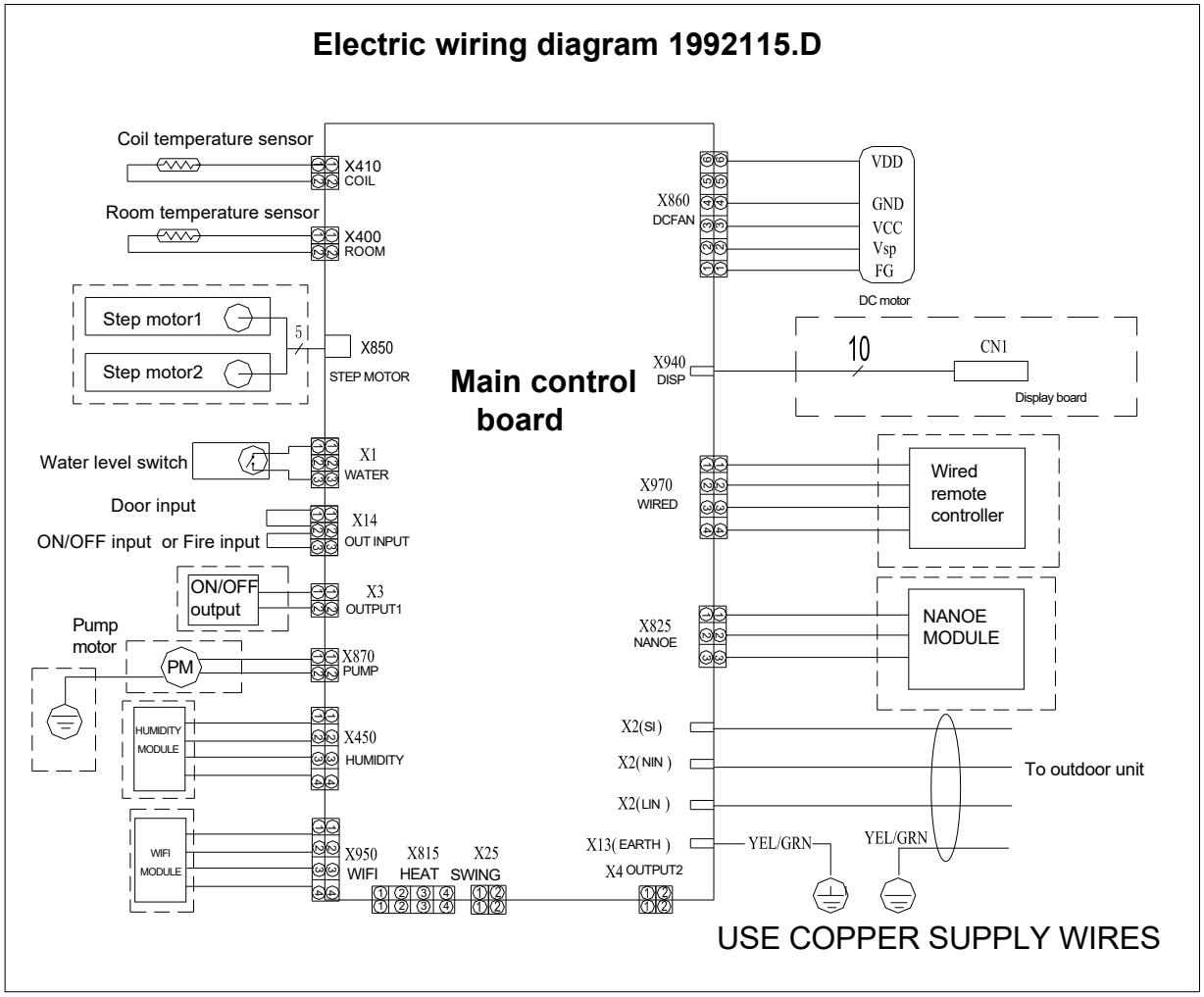


11. WIRING DIAGRAM

11.1 Electrical Wiring Diagram

Indoor unit

Duct type (3.0HP)



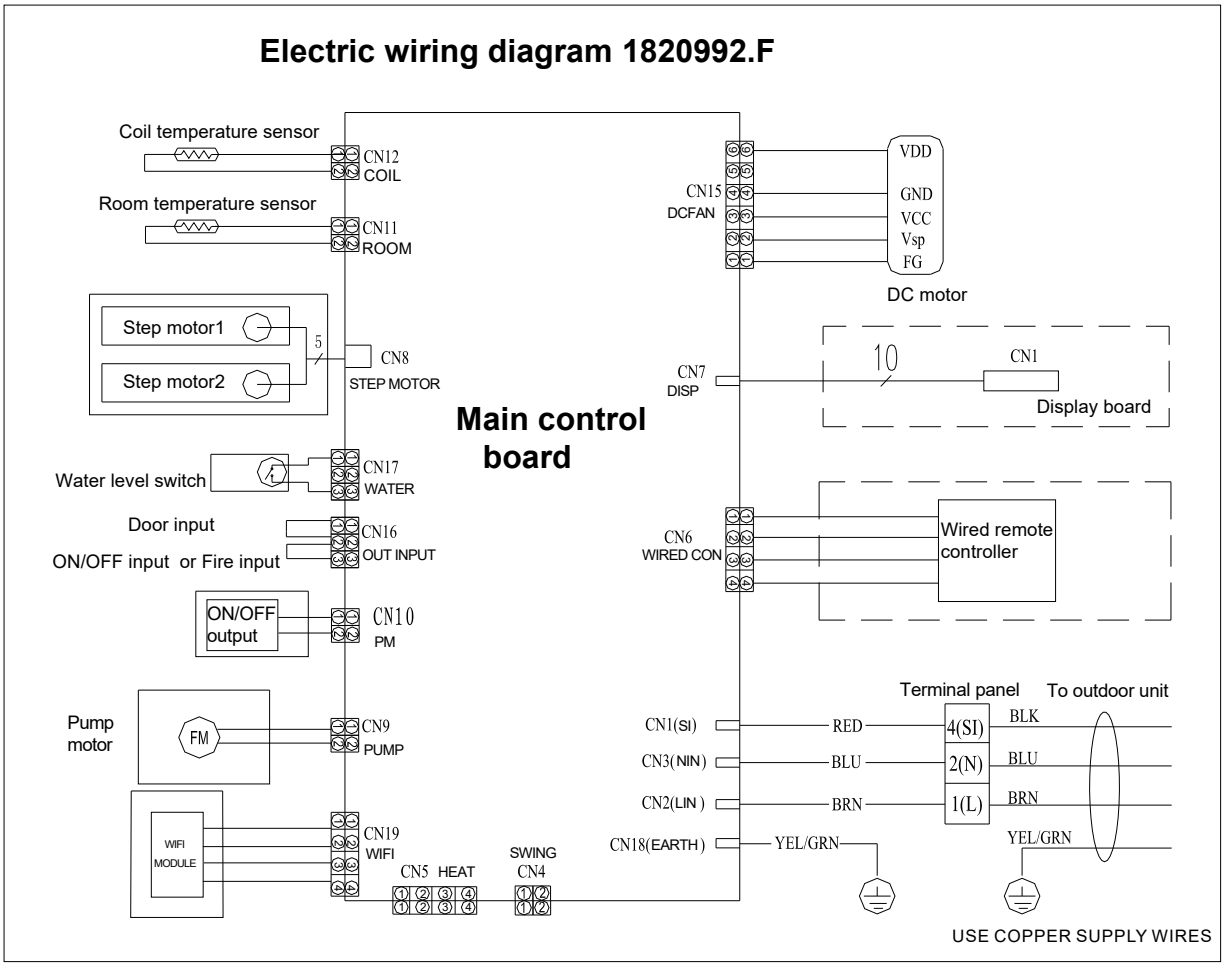
Remark:
Dashed parts are not available in some models.
For details, see the table below.

	Indoor units model	Step motor	Pump motor	Humidity	WIFI Module	NANOE Module	Display board	Wired remote controller	ON/OFF output
Ducted	3.0HP							●	●

●--available part

11. WIRING DIAGRAM

Ducted type (3.5~6.0HP)



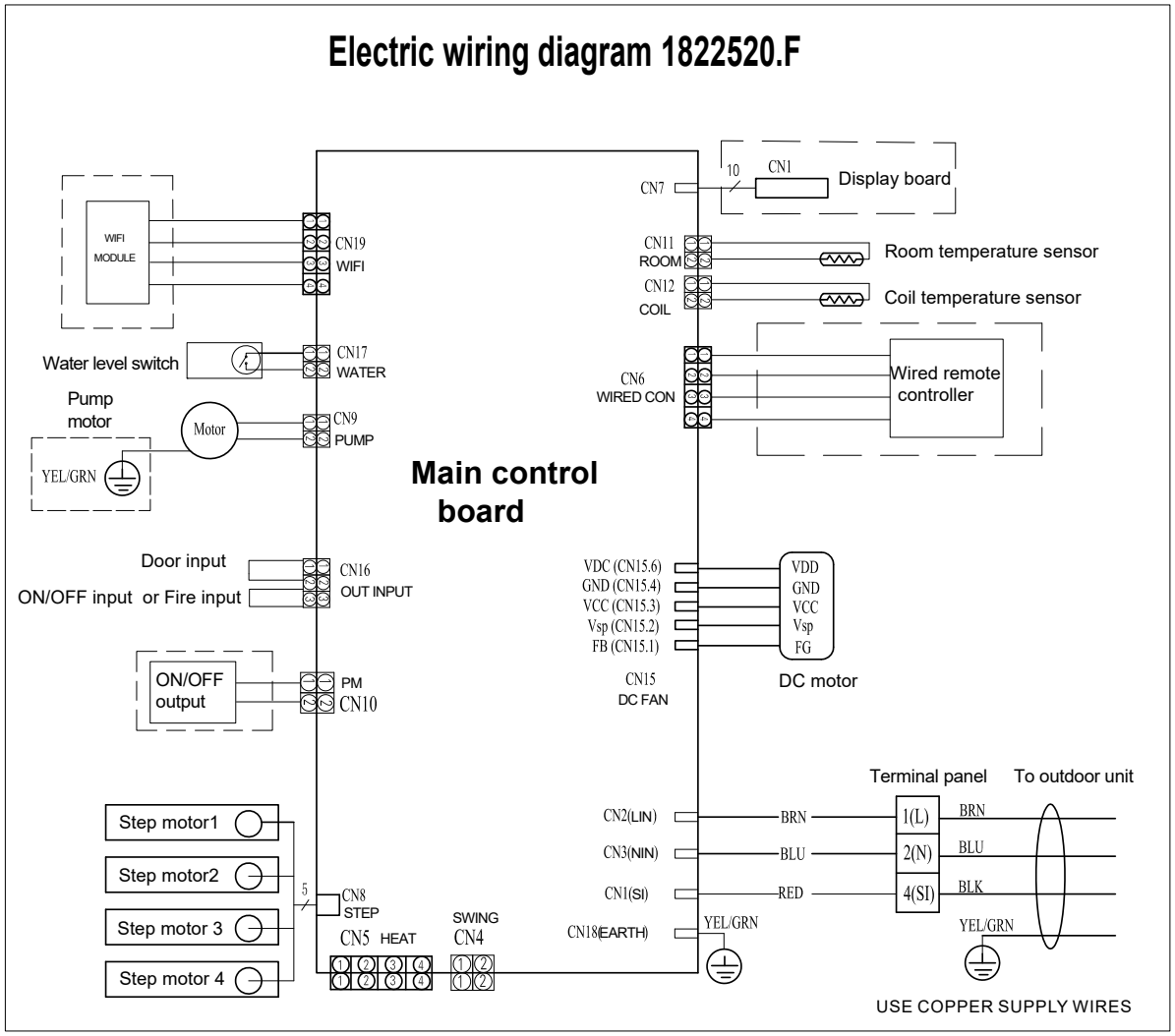
Remark:
Dashed parts are not available in some models.
For details, see the table below.

	Indoor units model	Step motor	Pump motor	WIFI module	Display board	Wired remote controller	ON/OFF output
Ducted	3.5~6.5HP					●	●

●--available part

11. WIRING DIAGRAM

Cassette type



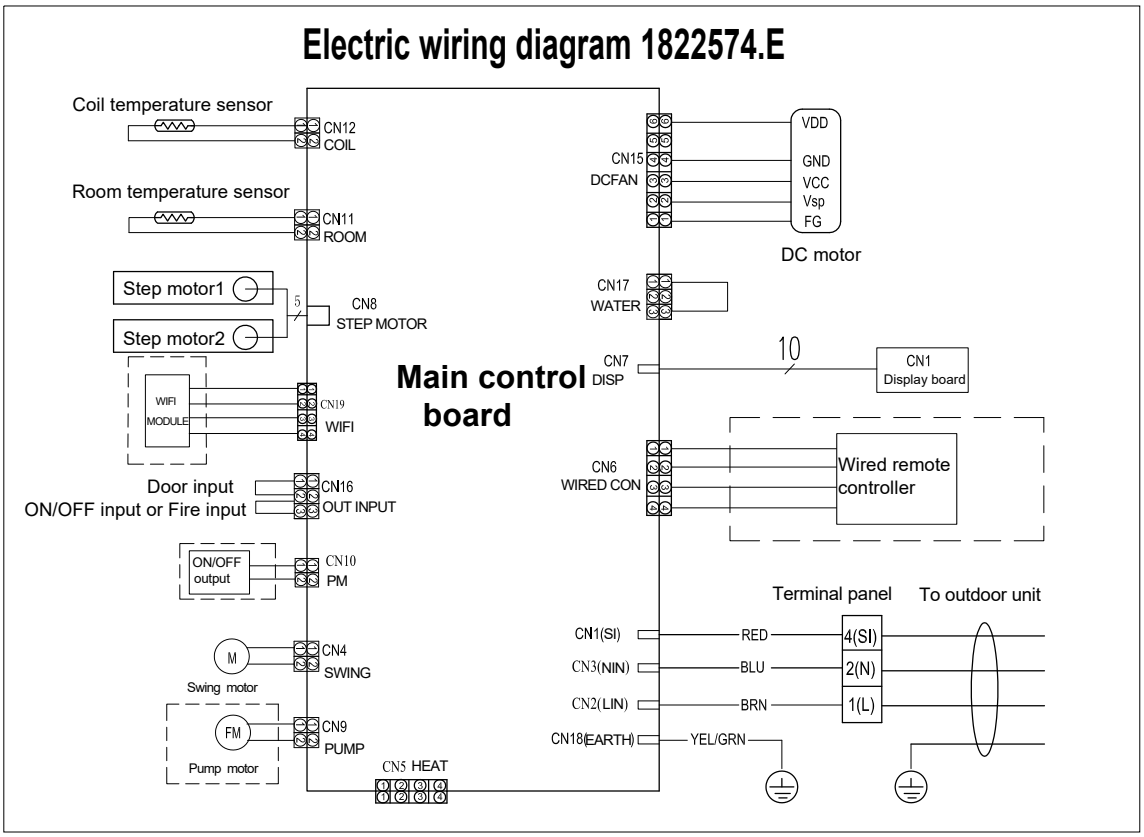
Remark:
Dashed parts are not available in some models.
For details, see the table below.

	Indoor units model	Step motor	Pump motor	WIFI module	Display board	Wired remote controller	ON/OFF output
Cassette	3.0/3.5/4.0/5.0/6.0/6.5HP	●	●		●		●

●--available part

11. WIRING DIAGRAM

Floor ceiling type (3.0/3.5/4.0HP)



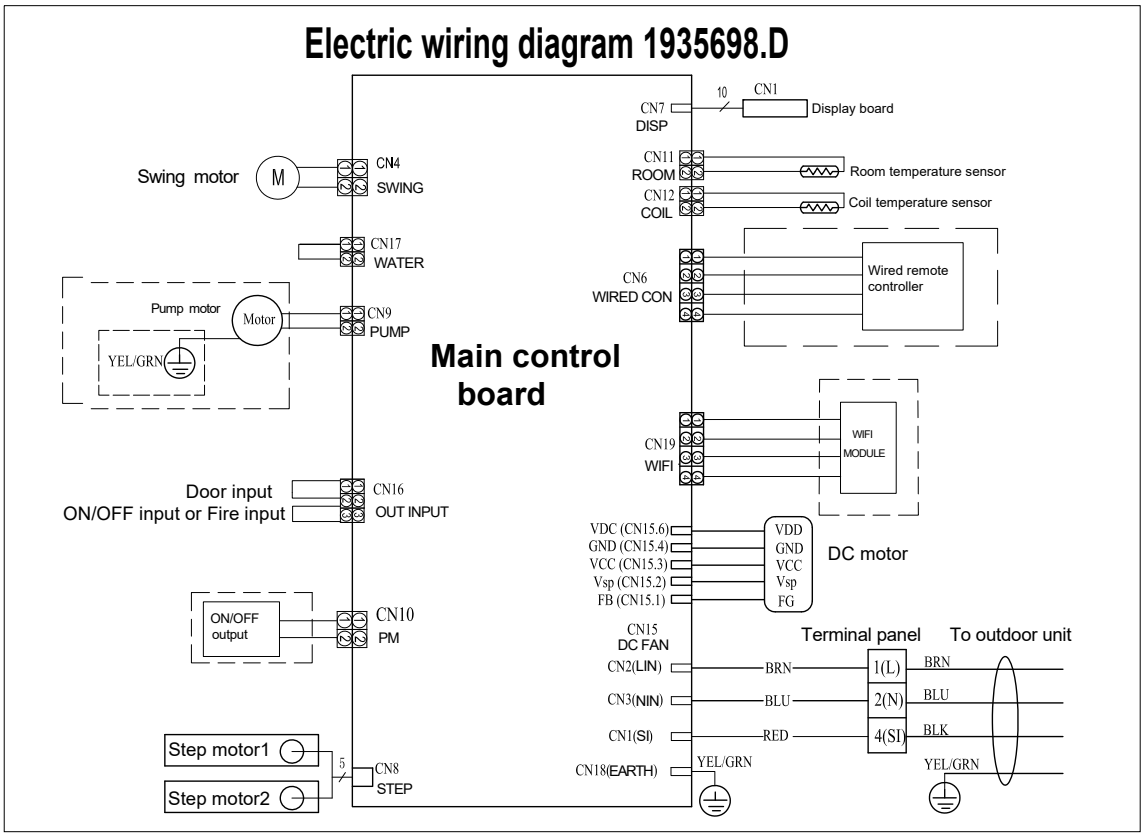
Remark:
Dashed parts are not available in some models.
For details, see the table below.

	Indoor units model	Step motor	Pump motor	WIFI module	Display board	Wired remote controller	ON/OFF output
Floor Ceiling	3.0/3.5/4.0HP	●			●		●

●--available part

11. WIRING DIAGRAM

Floor ceiling type (5.0/6.0/6.5HP)



Remark:
Dashed parts are not available in some models.
For details, see the table below.

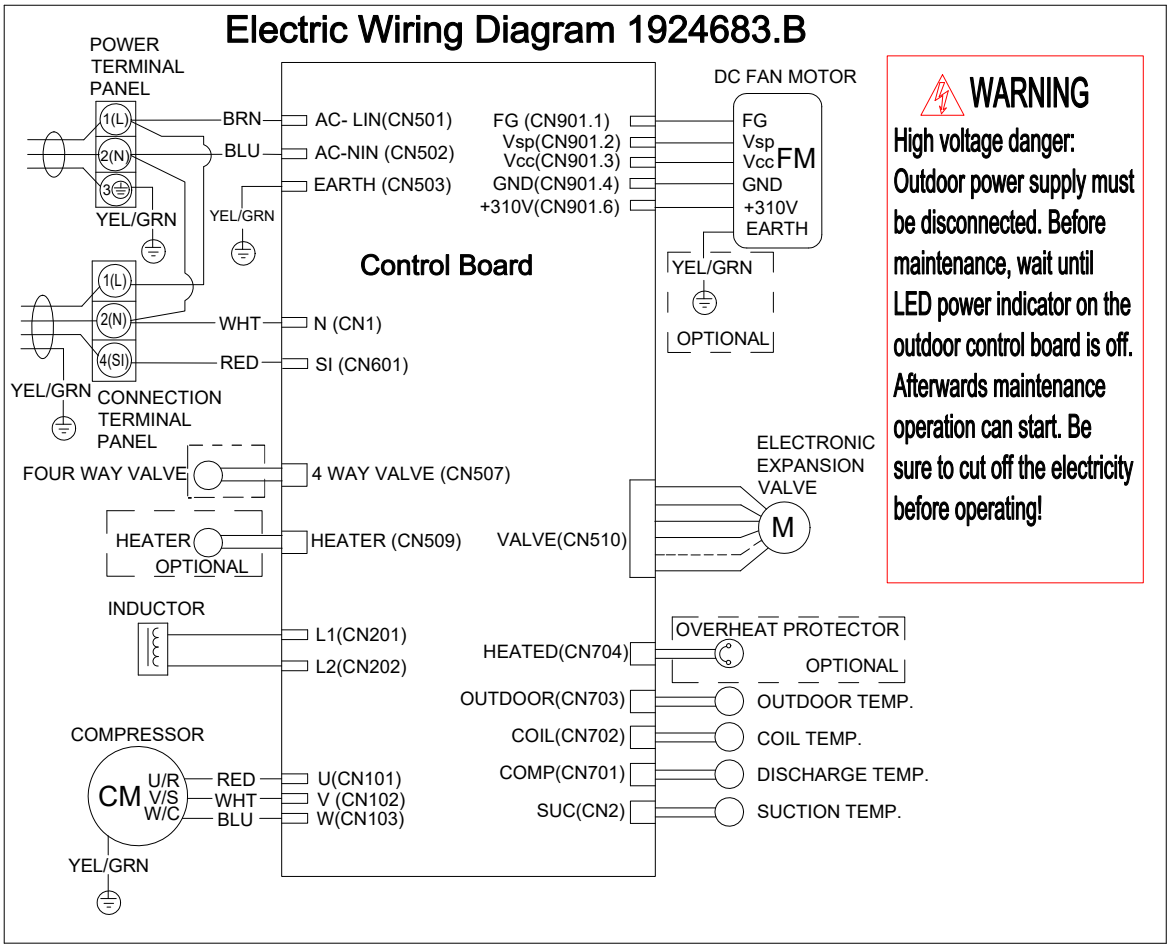
	Indoor units model	Step motor	Pump motor	WIFI module	Display board	Wired remote controller	ON/OFF output
Floor ceiling	5.0/6.0/6.5HP	●			●		●

●--available part

11. WIRING DIAGRAM

Outdoor unit

3.0/3.5HP



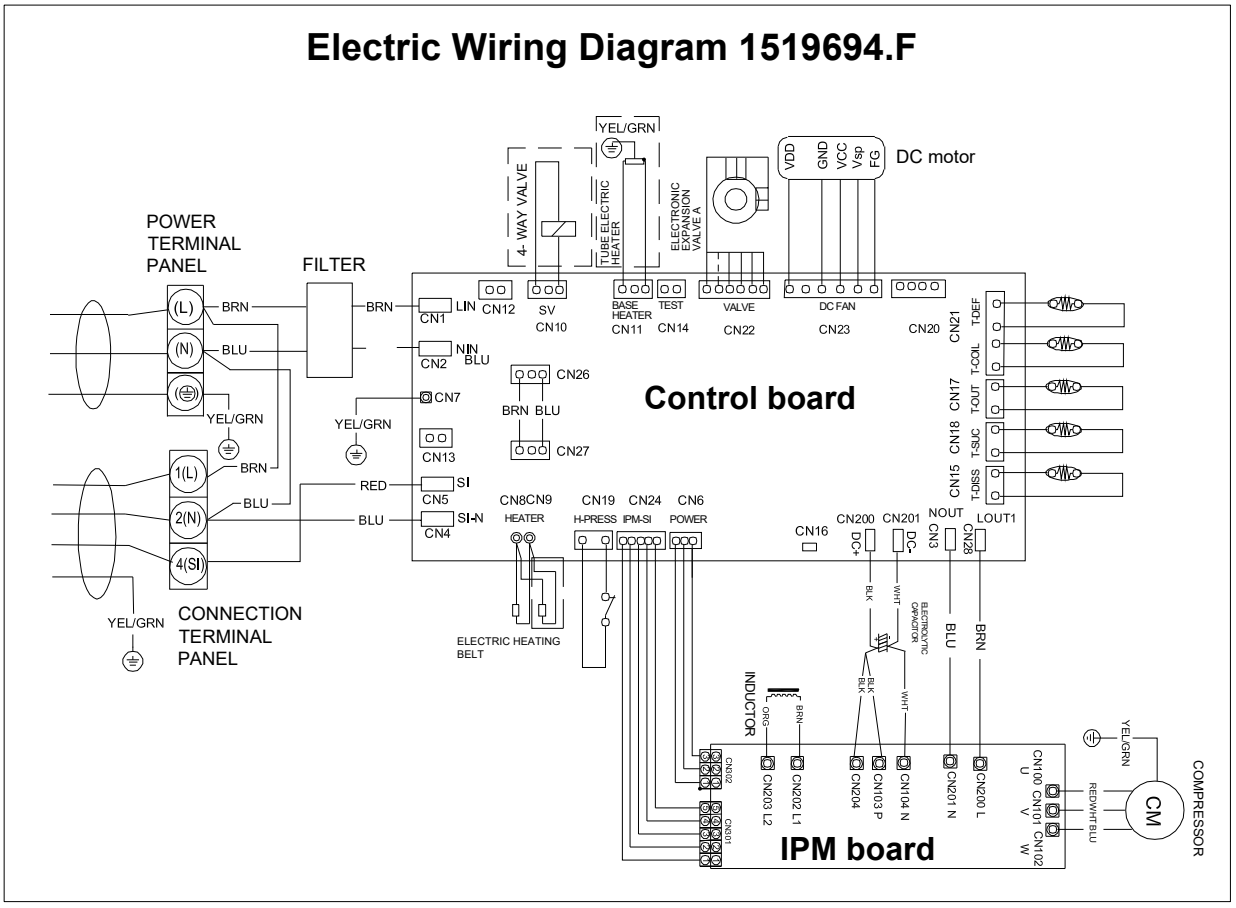
Remark:
Dashed parts are not available in some models.
For details, see the table below.

Outdoor units model	Heater	Overheat protector	4-way valve	YEL/GRN
3.0/3.5HP	●		●	

●--available part

11. WIRING DIAGRAM

4.0HP



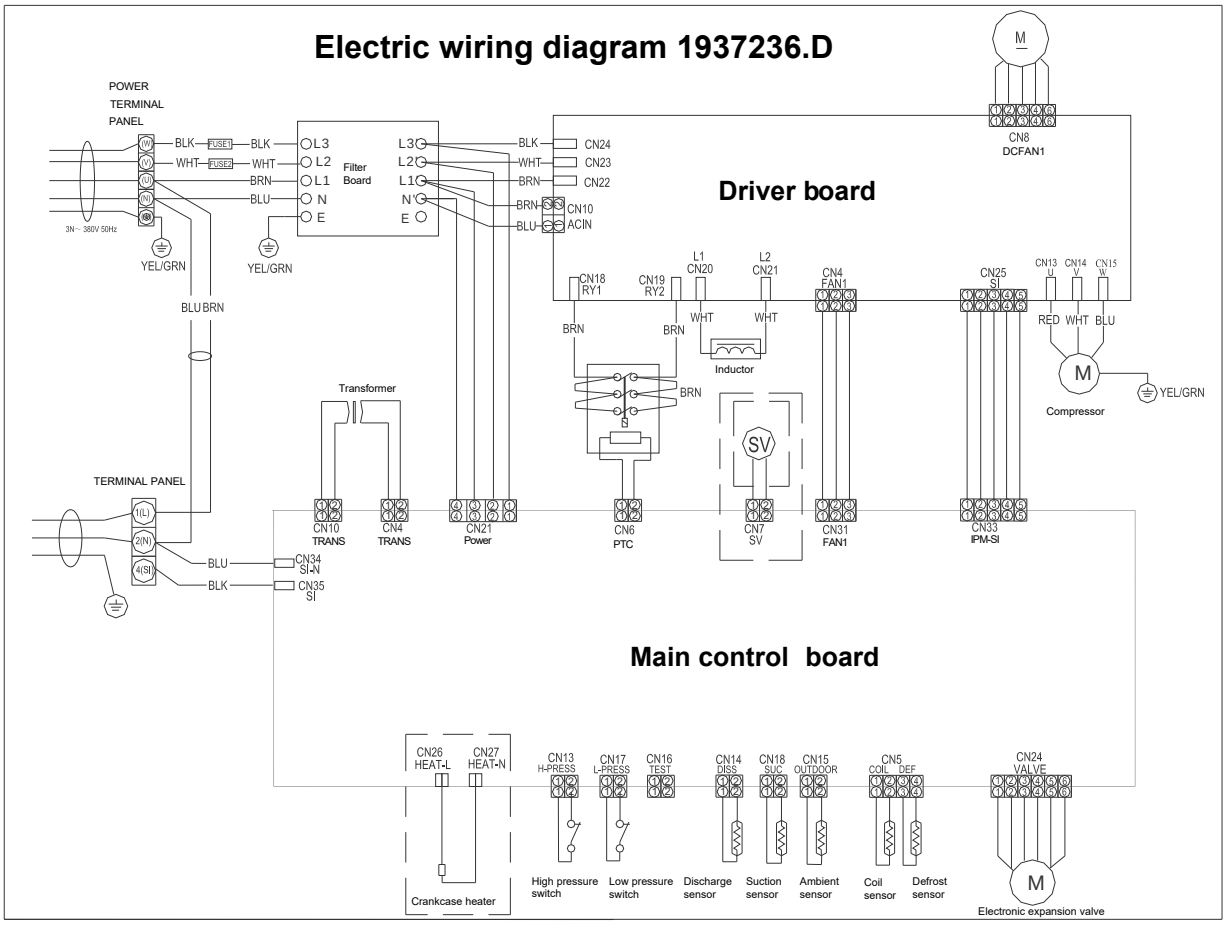
Remark:
Dashed parts are not available in some models.
For details, see the table below.

Outdoor units model	Base heater	4-way valve
4.0HP		●

●--available part

11. WIRING DIAGRAM

5.0HP (Three phase)



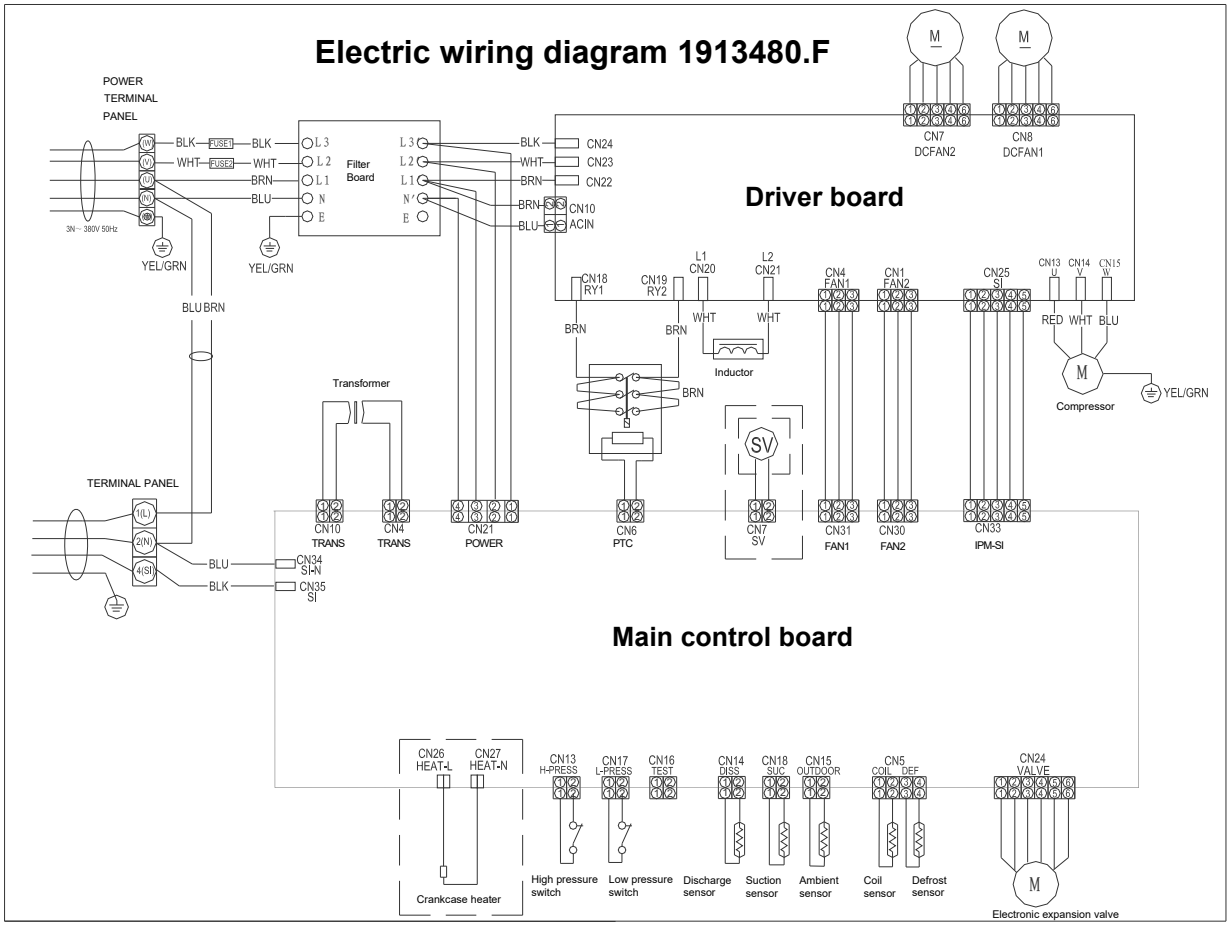
Remark:
Dashed parts are not available in some models.
For details, see the table below.

Outdoor units model	Crankcase heater
5.0HP	●

●--available part

11. WIRING DIAGRAM

6.0/6.5HP (Three phase)



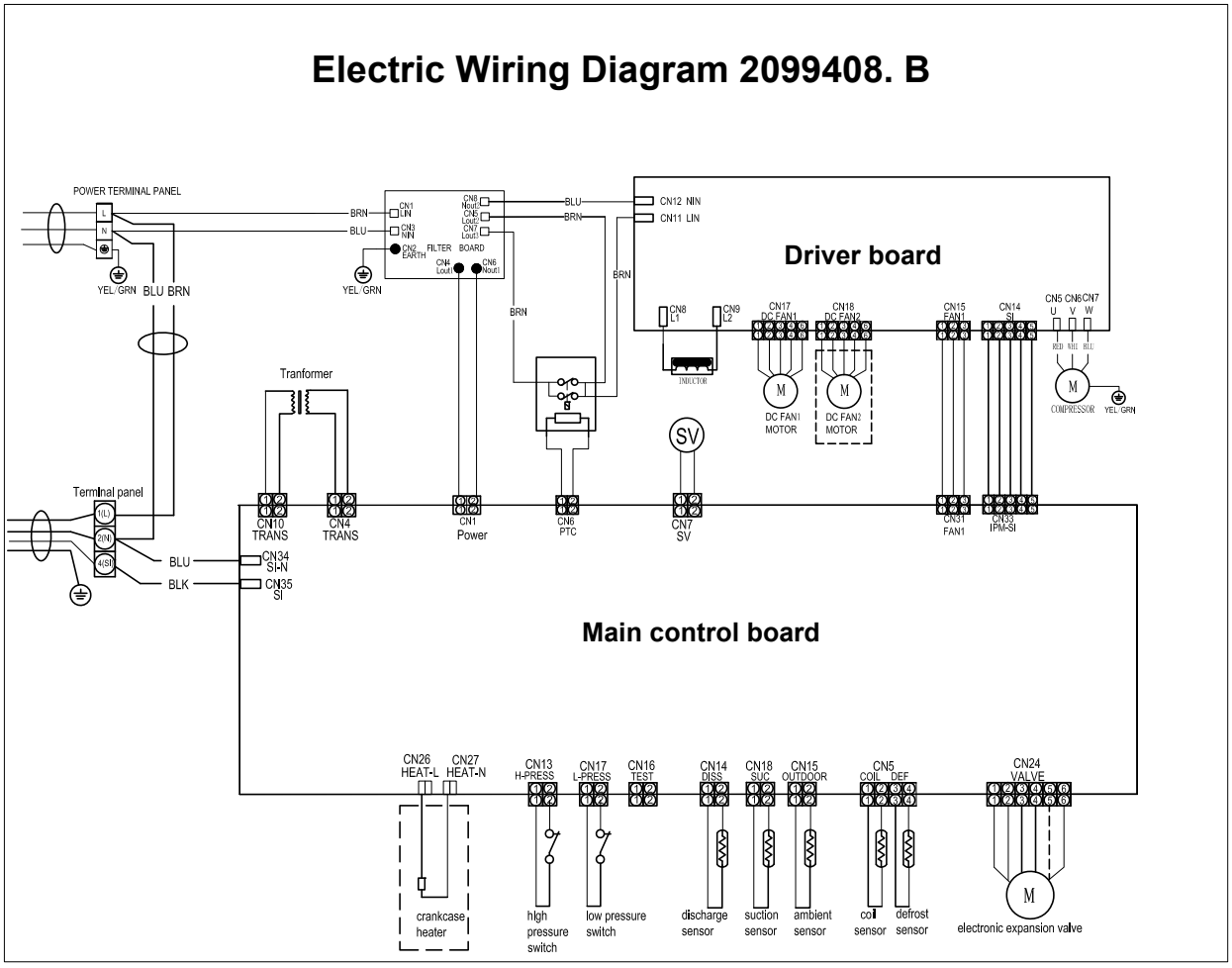
Remark:
Dashed parts are not available in some models.
For details, see the table below.

Outdoor units model	Crankcase heater
6.0/6.5HP	●

●--available part

11. WIRING DIAGRAM

5.0 HP (Single phase)



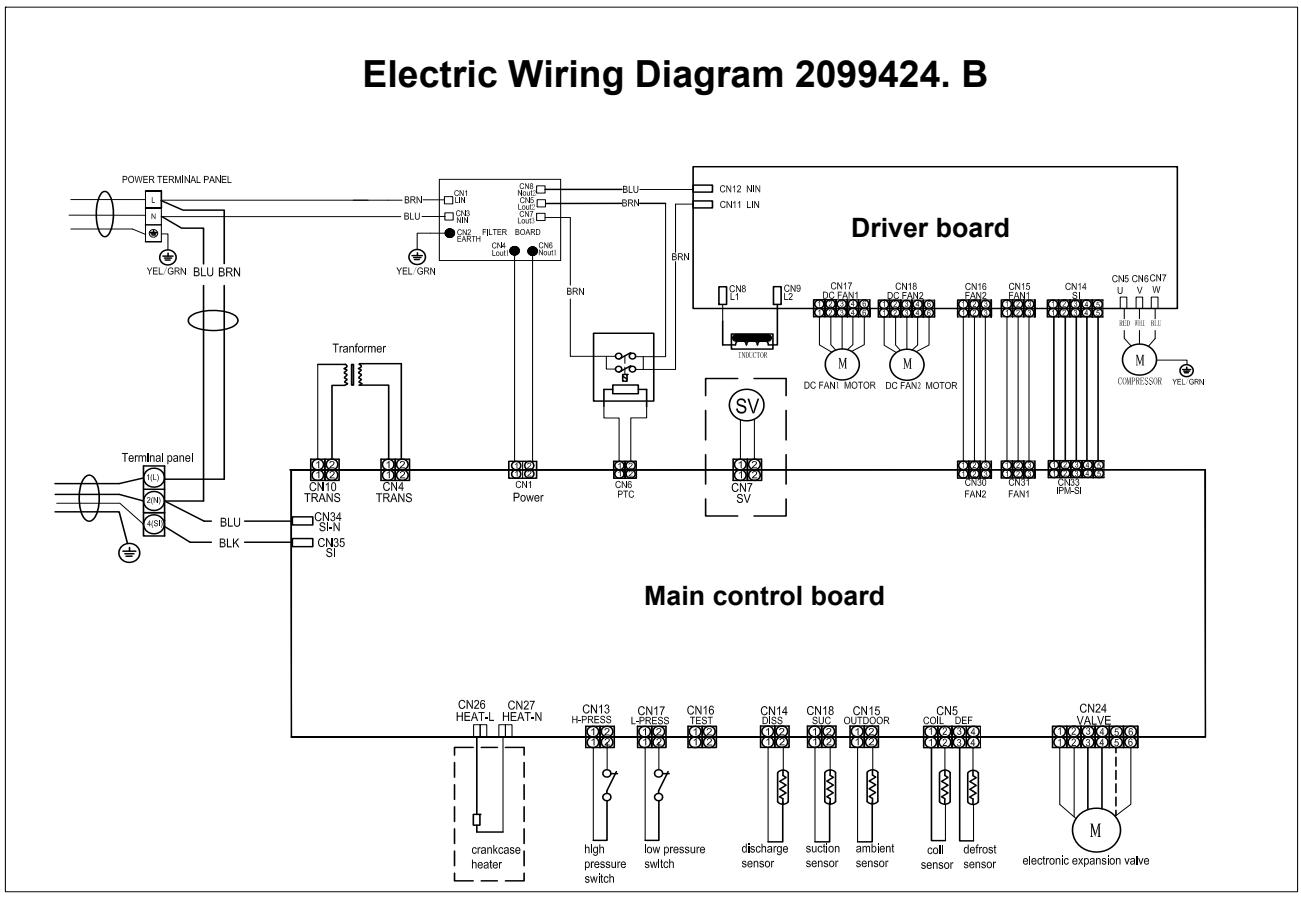
Remark:
Dashed parts are not available in some models.
For details, see the table below.

Outdoor unit model	DC FAN2 MOTOR	Crankcase heater
42K		●

●--available part

11. WIRING DIAGRAM

6.0 HP (Single phase)



Remark:
Dashed parts are not available in some models.
For details, see the table below.

Outdoor unit model	SV (4-way valve)	Crankcase heater
48K	●	●

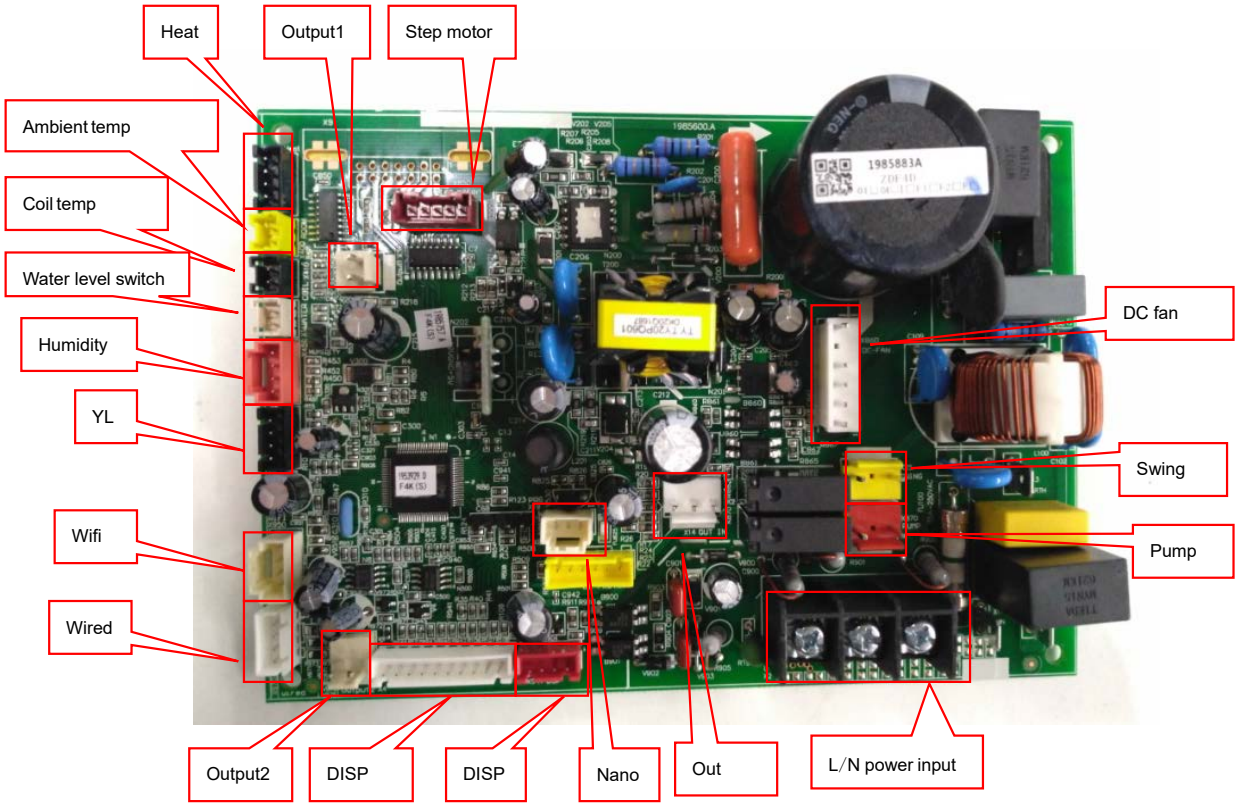
●--available part

11. WIRING DIAGRAM

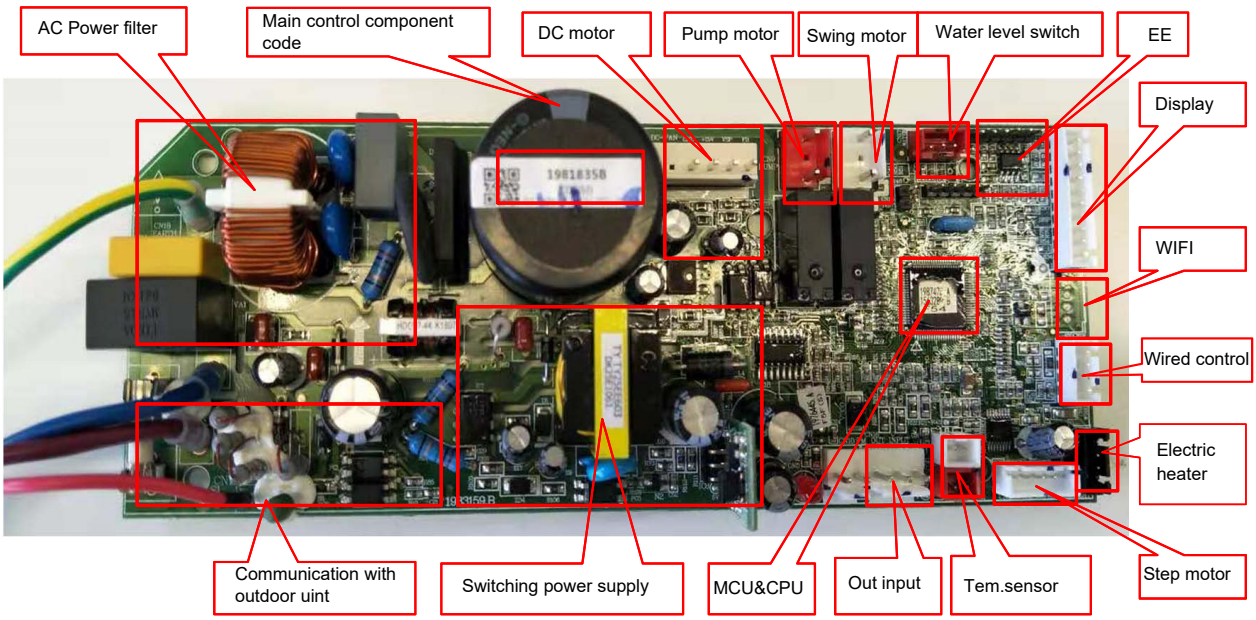
11.2 Control Board Picture

Indoor unit

3.0HP (Ducted)



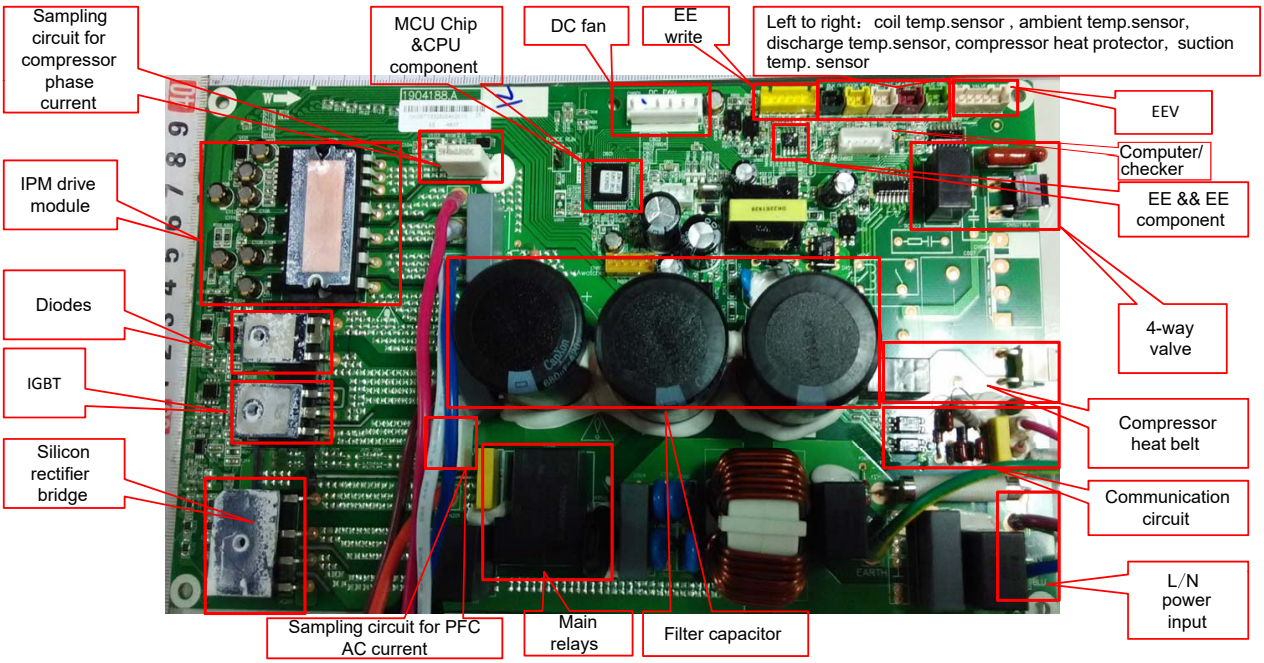
3.0~6.5HP (Cassette/Floor ceiling type)
3.5~6.5HP (Ducted type)



11. WIRING DIAGRAM

Outdoor unit

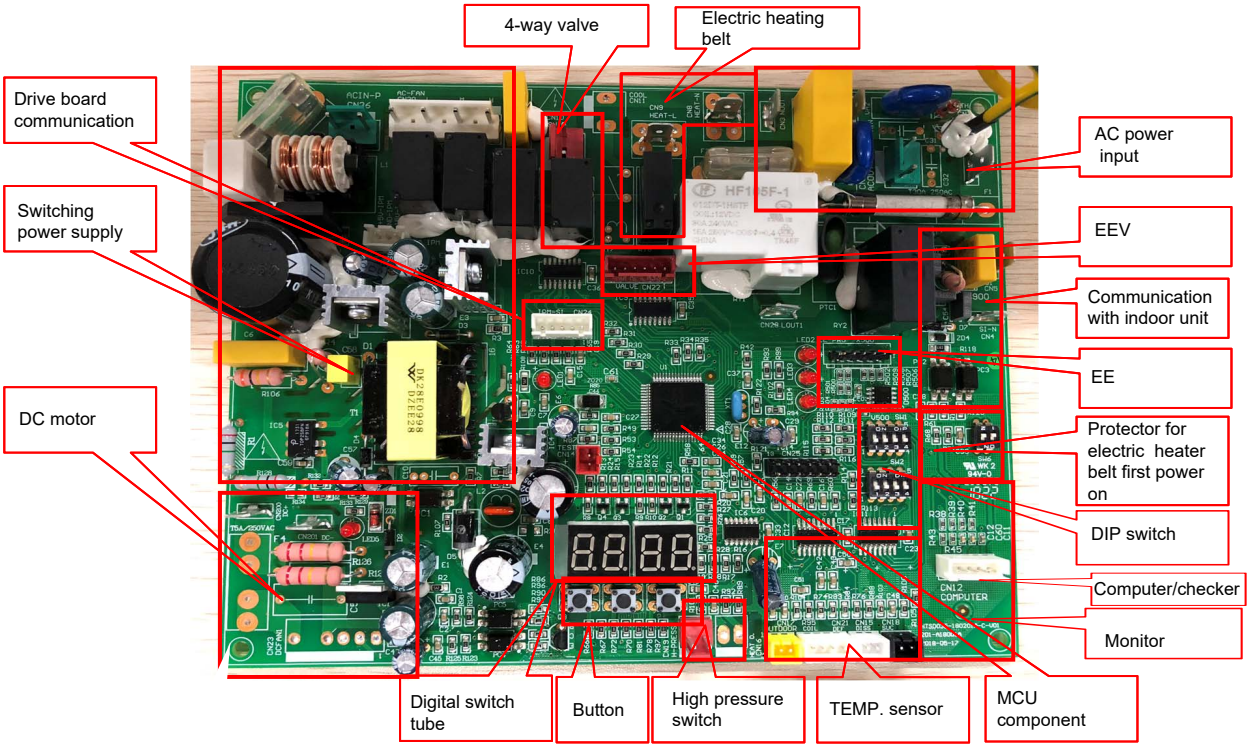
3.0/3.5HP
Control board



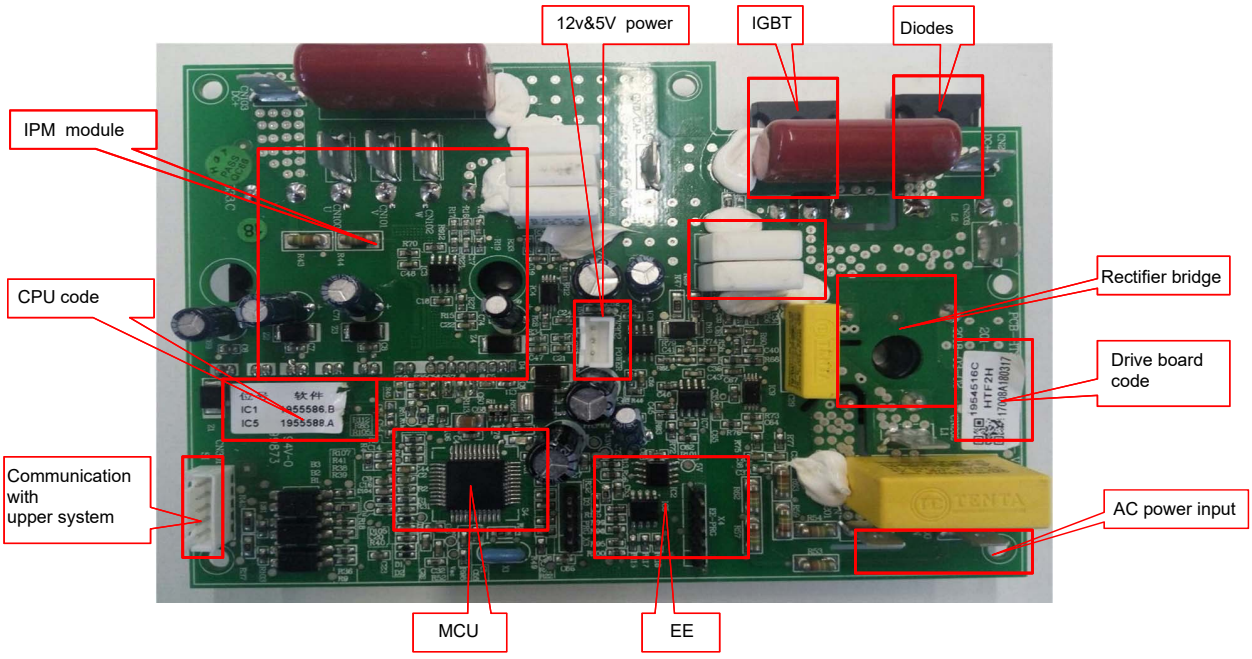
11. WIRING DIAGRAM

4.0HP

Main control board

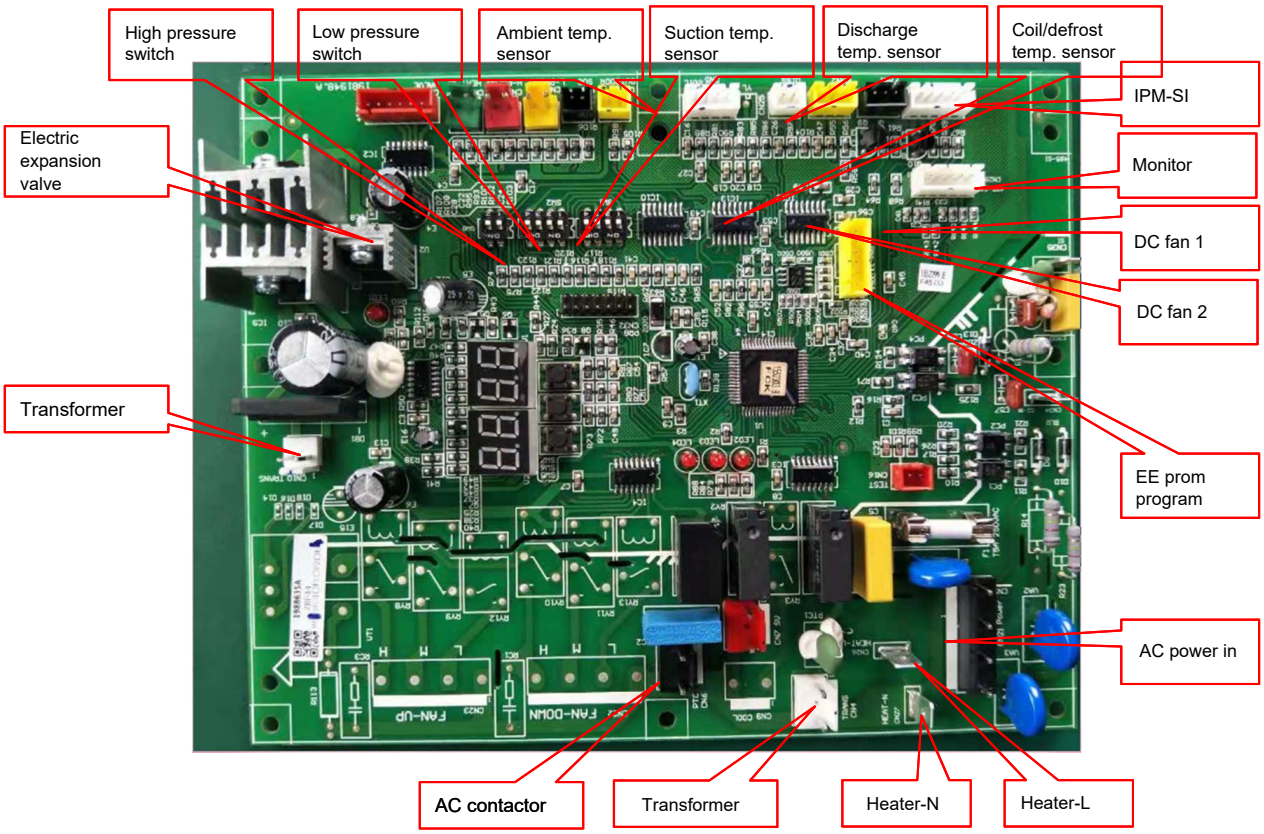


Drive board



11. WIRING DIAGRAM

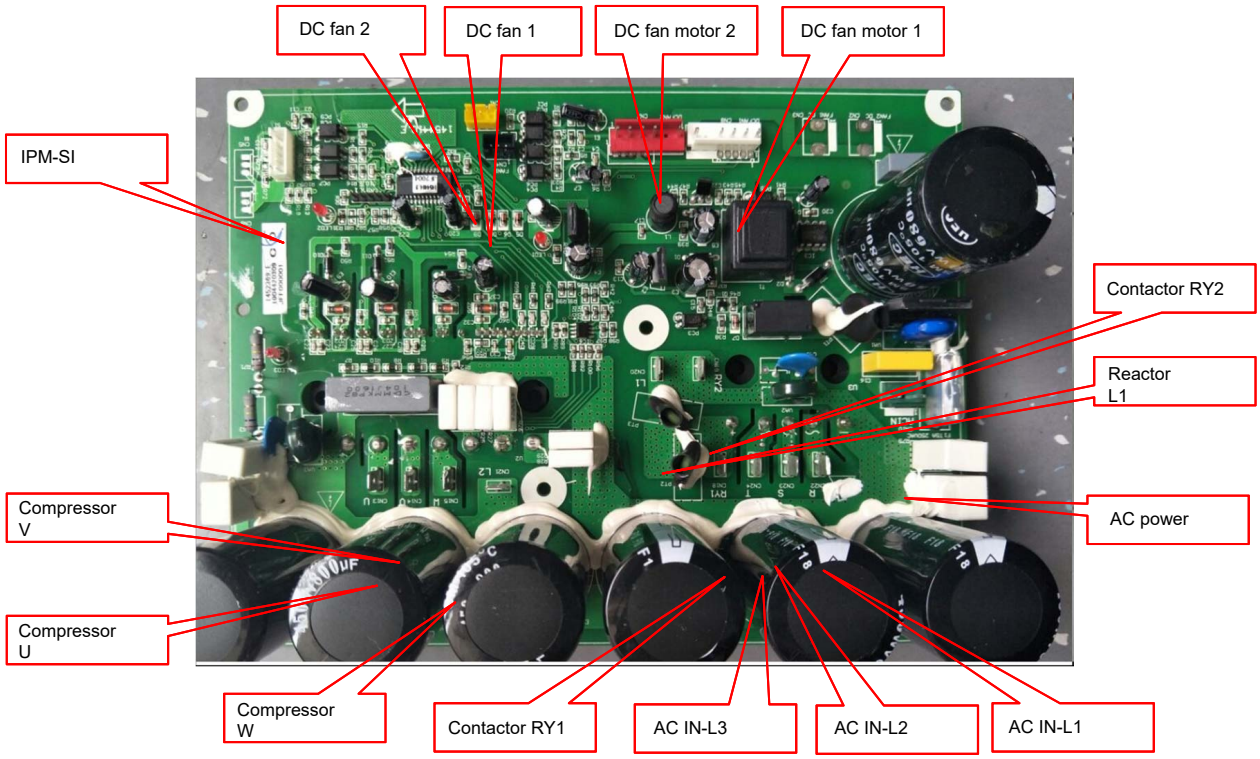
5.0/6.0/6.5HP
Main control board



Filter board

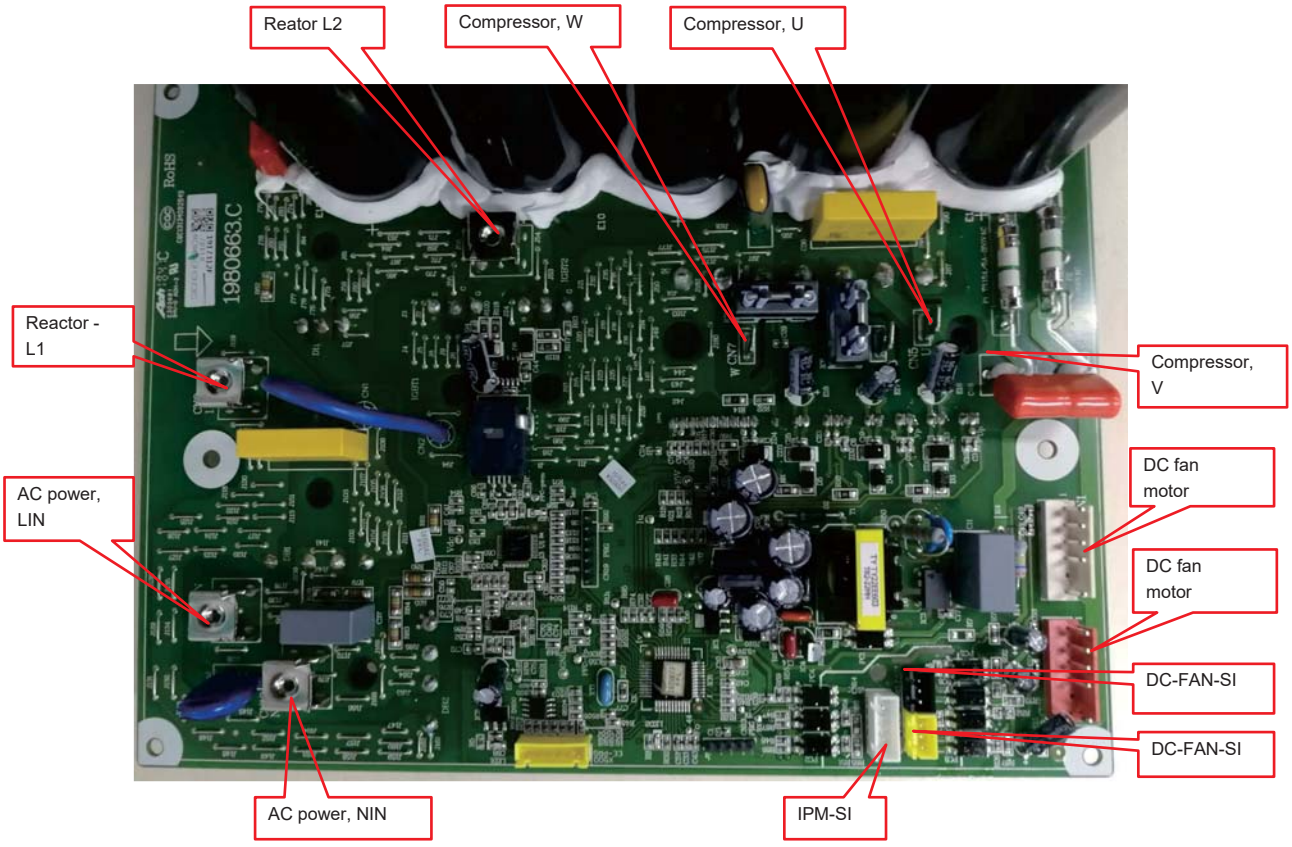
11. WIRING DIAGRAM

5.0/6.0/6.5 HP (Three phase)
Drive board



5.0/6.0 HP (single phase)

Drive board



11. WIRING DIAGRAM

11.3 Common Wiring

Recommended wire size

Model	Power Supply	ELB		Power Source Cable Size	Transmission Cable Size
		Nominal Current (A)	Nominal Sensitive Current (mA)	EN 60335-1*1	EN 60335-1*1
RAS-3.0UFESNH1	220-240V ~, 50Hz	25	30	3×2.5mm²	4×1.5mm²
RAS-3.5UFESNH1	220-240V ~, 50Hz	25	30	3×2.5mm²	4×1.5mm²
RAS-4.0UFESNH1	220-240V ~, 50Hz	40	30	3×4.0mm²	4×1.5mm²
RAS-5.0UFESNH1	220-240V ~, 50Hz	50	30	3×6.0mm²	4×1.5mm²
RAS-6.0UFESNH1	220-240V ~, 50Hz	50	30	3×6.0mm²	4×1.5mm²
RAS-5.0UFESMH1	380-415V 3N ~, 50Hz	32	30	5×2.5mm²	4×1.5mm²
RAS-6.0UFESMH1	380-415V 3N ~, 50Hz	32	30	5×2.5mm²	4×1.5mm²
RAS-6.5UFESNH1	380-415V 3N ~, 50Hz	32	30	5×2.5mm²	4×1.5mm²

Max. Running Current (A): REFER TO NAMEPLATE

- Use an ELB (Electric Leakage Breaker).
- Do not operate the system until all the check points have been cleared.
  (A) Check to ensure that the insulation resistance is more than 2 Mega Ohm,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.
  (B) Check to ensure that the stop valves of the outdoor unit are fully opened and then start the system.
- 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 90℃.

NOTE：

(1) Follow local codes and regulations when selecting field wires, and all the above are the minimum wire size.
(2) Use the wires which are not lighter than the ordinary polychloroprene sheathed flexible cord. (Cord designation H07RN-F).
(3) The wire sizes marked with *1 in the above table are selected at the maximum current of the unit according to the European Standard,EN60335-1.
(4) When transmission cable length is more than 15 meters, a larger wire size should be selected.
(5) Install main switch and ELB for each system separately. Select the high response type ELB that is acted within 0.1second. For recommended capacity, see outdoor machine switch capacity.
(6) In the case that power cables are connected in series, add each unit the maximum current and select wires below.

Selection According to EN60335-1

Current i(A)	Wire Size(mm²)
i≤6	0.75
6＜i≤10	1
10＜i≤16	1.5
16＜i≤25	2.5
25＜i≤32	4
32＜i≤40	6
40＜i≤63	10
63＜i	*

* In the case that current exceeds 63A, do not connect cables in series.

12. FIELD SETTING

12.1 Outdoor Unit DIP Switch

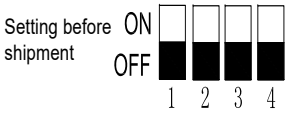
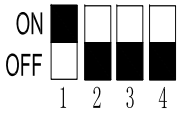
DIP Switch Setting of Outdoor Unit (4.0~6.5HP)

Turn off all power sources before setting. Without turning off, the switches settings are not refreshed and might be invalid. Mark of "■" indicates the position of DIP switches.

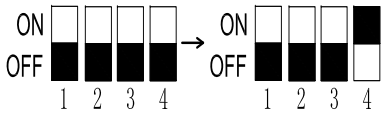
Setting is required

SW2-1	Refrigerant Piping Length Setting	SW2-4	Refrigerant Collection

Setting is required

Actual Piping Length L(m)	
L<15	15≤L<Max. length allowed
Setting before shipment 	

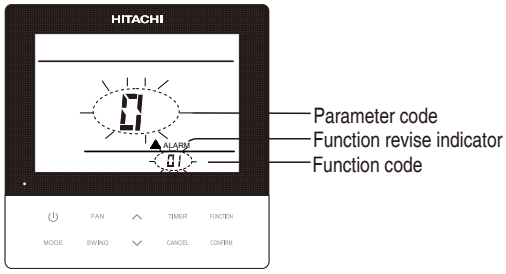
After setting refrigerant piping length DIP switch, cooling/heating performance can be improved.



12. FIELD SETTING

12.2 ESP Setting (Ducted Type only)

The static pressure can be freely adjusted by using specific wired remote controller.



HCWA21NEHH

Model	The Range of Static Pressure	Function Code Set
3.0HP	0-40Pa	0-40, function code value equals static pressure value, more than 40 is 40 Pa, [default: 0 (25Pa)]
3.5/4.0HP	0-120Pa	0-120, function code value equals static pressure value, more than 120 is 120 Pa, [default: 0 (37Pa)]
5.0/6.0/6.5HP	0-120Pa	0-120, function code value equals static pressure value, more than 120 is 120 Pa, [default: 0 (50Pa)]

Static Pressure Setting (HCWA21NEHH**):**

1 Press and hold both "FUNCTION" and "MODE" buttons for 3 seconds, symbol " ⚠ ALARM " and parameter code starts blinking at the same time.

2 Press " ∧ / ∨ " button to adjust parameter number until "17" is displayed, and press "CONFIRM" button to enter system parameter adaption state, symbol " ⚠ ALARM " stops blinking.

3 Select desired parameter code 10 by pressing " ∧ / ∨ " button, and press "CONFIRM" button to confirm.

4 Select desired function code to rewrite the parameter values by pressing " ∧ / ∨ " button, and press "CONFIRM" button to confirm.

5 Press "⏻" button to quit.

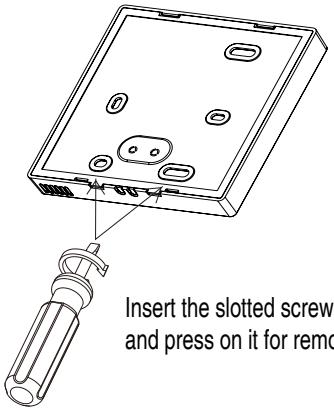
If you still have any trouble, please contact local service center of our company for further information.

12. FIELD SETTING

12.3 Indoor Unit Parameter Revision

1) Connecting wired controller with the indoor unit

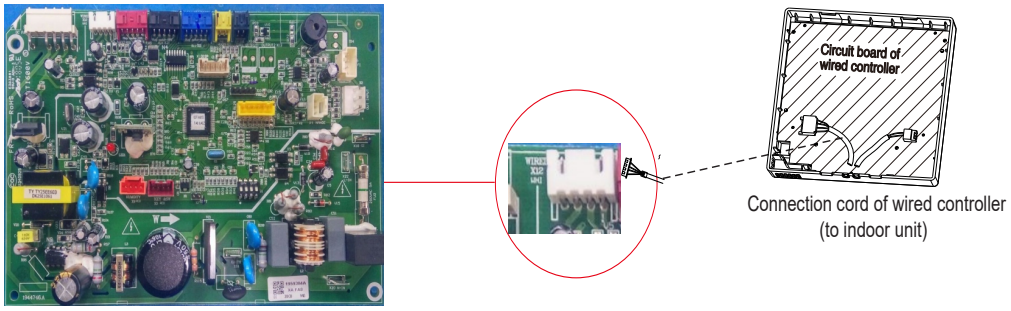
Step 1: Remove the lower cover of the wired controller



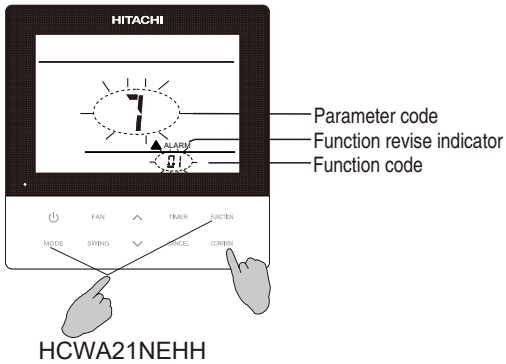
NOTE:

Control board of the remote controller is placed on upper cover. Please protect it from being scratched during removal and installation!

Step 2: Connect the wired controller with the indoor unit



2) Changing system parameter



Operation: (HCWA21NEHH)

1 Press and hold both "FUNCTION" and "MODE" buttons for 3 seconds, symbol " ⚠ ALARM " and parameter code starts blinking at the same time.

2 Press " ∧ / ∨ " button to adjust parameter number until "17" is displayed, and press "CONFIRM" button to enter system parameter adaption state, symbol " ⚠ ALARM " stops blinking.

3 Select desired parameter code following the table below by pressing " ∧ / ∨ " button, and press "CONFIRM" button to confirm.

4 Select desired function code to rewrite the parameter values by pressing " ∧ / ∨ " button, and press "CON IRM" button to confirm.

5 Press "⏻" button to quit.

12. FIELD SETTING

PARAMETER CODE	PARAMETER DESCRIPTION	PARAMETER VALUE&REPRESENTATION		NOTE
		DATA TYPE	REPRESENTATION (FUNCTION CODE)	
1	Self Recovery of Power Break	Integer	0：Cancel Self Recovery of Power Break function； 1：Self Recovery of Power Break； others：invalid	
2	Temperature Type	Integer	0：Centigrade Temperature； 1：Fahrenheit Temperature； others：invalid	
3	Temperature Display Type	Integer	0：Default display set temperature； 1：Default display room temperature； others：invalid	
4	Ratio of ambient temperature sensed by indoor temperature sensor(cooling mode)	Integer	0~10valid，more than 10 default is10 0：0%；1：10%；…；10：100%	0-entirely use temperature sensed by wired remote controller; 10-entirely use temperature sensed by indoor unit
5	Filter Clean Indication	Integer	0：Cancel Filter Clean prompt function； 1：Set Filter Clean prompt function； others：invalid	
6	Filter Clean Time Set	Integer	0~32，more than 32 default is 32*1000h	
7	Installation Height Compensation	Integer	0~10m，more than 10m default is 10. =0,1,2 :no fan speed compensation; =3: increase fan speed; =4~10: increase more fan speed.	
8	Cooling Temperature Compensation （indoor unit temperature sensor）	Integer	0 : 0℃ ; 1 : -0.5℃ ; 2 : -1℃ ; 3 : -1.5℃ ; 4 : -2℃ ; 5 : -2.5℃ ; 6 : -3℃ ; 7 : -3.5℃ ; 8 : -4℃ ; 9 : -4.5℃ ; 10 : -5℃.(the wired controller displays integer with the symbol)	
9	Heating Temperature Compensation （indoor unit temperature sensor）	Integer	0 : 0℃ ; 1 : -0.5℃ ; 2 : -1℃ ; 3 : -1.5℃ ; 4 : -2℃ ; 5 : -2.5℃ ; 6 : -3℃ ; 7 : -3.5℃ ; 8 : -4℃ ; 9 : -4.5℃ ; 10 : -5℃. (the wired controller displays integer with the symbol)	
10	Static Pressure Set	Integer	1~240，function code=static pressure more than the limit static pressure default the limit static pressure，Default is 0 (default static pressure, related to models)	Duct type (DC motor)
12	Ratio of temperature sensed by indoor temperature sensor((Heating mode)	Integer	0~10valid，more than 10 default is10 0：0%；1：10%；…；10：100%	0-entirely use temperature sensed by wired remote controller; 10-entirely use temperature sensed by indoor unit
13	Temperature Adjustment-Cooling	Character	-10~10℃（Single Character with symbol）	Temperature displayed on wired controller
14	Temperature Adjustment-Heating	Character	-10~10℃（Single Character with symbol）	Temperature displayed on wired controller
25	Access control, fire protection, ON/OFF function set	Integer	=0，Access control, fire protection functions are all invalid； =1，Access control function is valid； =2，fire protection function is valid； =3，Access control, fire protection are all valid； =4，ON/OFF function is valid.	

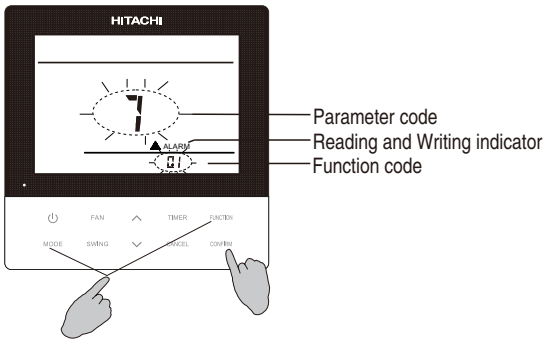
12.4 Running Parameter Query

Running parameter can be referred to by 7 segment display or specified wired remote controller.

Query by wired remote controller

Operation:

1. Connect wired remote controller with indoor unit (same method with Indoor unit parameter revision)
2. Change the system parameter



HCWA21NEHH

Operation: (HCWA21NEHH**)**

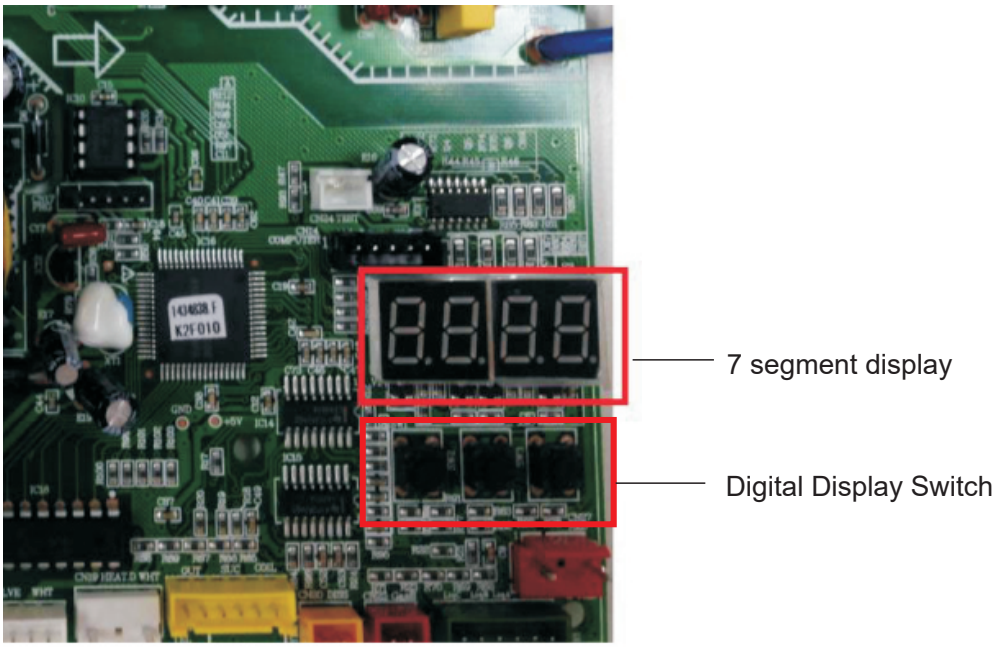
1 Press and hold both "FUNCTION" and "MODE" buttons for 3 seconds, symbol " ⚠ ALARM " and parameter code starts blinking at the same time.

2 Press " ∧ / ∨ " button to select parameter number as you need, and parameter value will be displayed on the LCD.

Parameter Code	Parameter Description
06	Indoor unit air inlet temperature
07	Indoor unit coil sensor temperature
08	Outdoor unit ambient sensor temperature
09	Discharge temperature
10	Suction temperature
11	Outdoor coil temperature
12	Discharge pressure
13	Suction pressure
14	Outdoor EEV opening
15	AC current input
16	AC voltage
24	Error code
25	Drive error code
26	Indoor unit air outlet temperature
28	Compressor current
29	Indoor unit room temperature
30	Indoor unit coil inlet temperature
31	Indoor unit coil outlet temperature
32	Outdoor unit condenser inlet temperature
33	Outdoor unit condenser outlet temperature
43	Outdoor unit defrost temperature
57	Outdoor fan 1 speed
58	Outdoor fan 2 speed
60	Indoor fan speed

12. FIELD SETTING

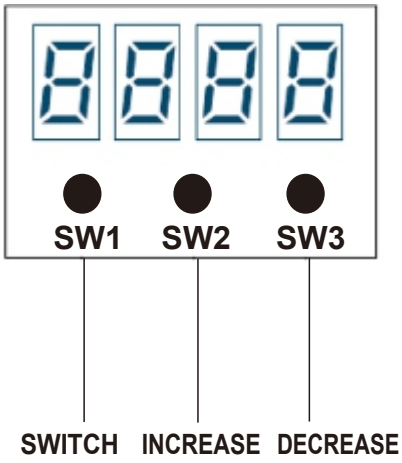
Query by 7 segment display



DC-Inverter outdoor control board

7 segment display Introduction

It can be used to check outdoor running parameters.



There are 3 buttons on the digital display board：

1) SWITCH button：Indoor parameters and outdoor parameters can be selected in turn by pressing it.
“P.”-outdoor unit parameter ,“H.”-indoor unit parameter；

2) INCREASE button：Each time it is pressed, the number rises by 1,hold down it, the number will be rapidly increased;

3) DECREASE button：Each time it is pressed, the number lowers by 1,hold down it, the number will be rapidly decreased.

4) The parameters will be displayed after 3s when the checking numbers are selected.

12. FIELD SETTING

Parameters can be checked in the following table below.

Parameter code	Descriptions
0	Protection Code or Fault code
P.1	Target Frequency
P.2	Driving Frequency
P.4	Outdoor EEV Opening
P.5	Outdoor EEV Target Opening
P.6	Upper DC Motor Revolving Speed
P.8	AC Input Voltage
P.9	Current
P.10	Modular Temperature
P.11	Capacity Needed
P.12	Modular Fault
P.20	Outdoor Ambient Temperature
P.21	Outdoor Coil Temperature
P.22	Outdoor Defrost Temperature
P.23	Suction Temperature
P.24	Discharge Temperature
H.1	Indoor Unit Fault
H.2	Indoor Ambient Temperature
H.3	Indoor Coil Temperature
H.4	Indoor Setting Temperature

12.5 Setting for Access Control and Fire Protection Functions with External Input Contact

12.5.1 Factory settings

Access Control and Fire Protection functions are both activated by default on new products.
In order to activate or deactivate these functions, use the wired remote controller connected to the indoor unit. Refer to the “Site Setting” chapter in the Technical Catalogue related to this product range to get details about the setting procedure.

12.5.2 Introducing Access Control and Fire Protection functions.

Thanks to these functions, a remote control of the indoor unit from a dry contact is possible.
The typical uses of these functions are the following:

- Access control: control of the air conditioning unit in hotel rooms, interconnection with the room key card switch, or in office buildings, interconnection with the window opening contact. For these applications, the purpose of the control function is to block the operation of the air conditioning units when the room is not occupied or when the windows of the office are open.

- Fire protection: interconnection with the fire detection system of any building, to immediately stop the air conditioning units when the fire alarm is triggered.

12.5.3 Function setting

A) Hardware connection

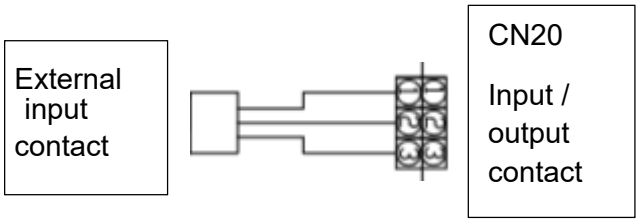


Figure 1: electric wiring diagram

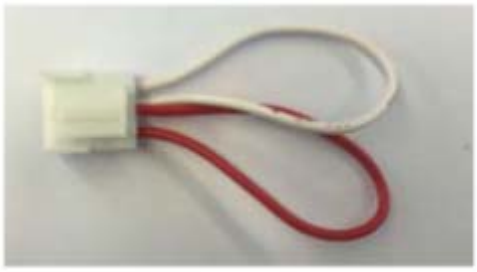


Figure 2: connector with short-circuited wirings

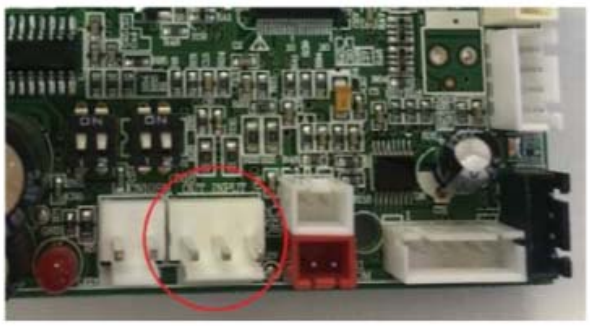


Figure 3 main control board

The input / output terminals on the indoor unit main PCB (see table 1) are designed to be short-circuited by default. From factory, terminals 1-2 and 2-3 are short-circuited using the dedicated connector (figure 2) plugged on the related terminals of the main PCB (X14 or CN16, see figure 3).

12. FIELD SETTING

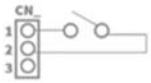
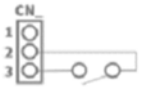
Input contact	Series	Model names	Connector ref on main PCB	Electric diagram	Possible function(s)
Input 1 - Red wire	PRIMAIRY R32	RPIL-3.0UFE1NH	X14 pins 1&2		**Access Control** (System parameter 25 set to 1 or 3)
		All other models	CN16 pins 1&2		
Input 2 - White wire	PRIMAIRY R32	RPIL-3.0UFE1NH	X14 pins 2&3		**Fire Protection** (System parameter 25 set to 2 or 3) OR **External ON/OFF** (System parameter 25 set to 4)
		All other models	CN16 pins 2&3		

Table 1: Inputs at IDU main board

Use of Access Control function:

Cut off the red wire of the connector (figure 2) and connect the related terminals to the Access Control switch of the installation (room key card switch or window opening control switch for example). The connection wire shall be 22AWG type. Logic control of the Access Control function:

- Normal conditions: control switch is closed, normal operation of the indoor unit is allowed
- Access Control triggered: control switch is open, indoor unit is set OFF, remote controller is blocked.

Use of Fire Protection function:

Cut off the white wire of the connector (figure 2) and connect the related terminals to the Fire Protection switch of the installation. The connection wire shall be 22AWG type. Logic control of the Fire Protection function:

- Normal conditions: control switch is closed, normal operation of the indoor unit is allowed
- Fire Protection triggered: control switch is open, indoor unit is set OFF, remote controller is blocked.

B) Timing sequence description

Access Control function:

- When the contact is opened (key card remove, window opened), the air conditioning unit is stopped once the contact has been opened for 30 seconds. Once indoor unit is stopped, the operations from the remote controllers (wired or wireless) are prohibited: indoor unit will not follow any command sent from the wired or the wireless controller. The status of the indoor unit on the wired controller will be “OFF” status.

- When contact is closed again (key card inserted again or window closed), **the air conditioning unit operation is released, and the previous operation status and settings are restored**:
    - o If the air conditioning unit is OFF when the contact is opened, the unit will remain in OFF status when the contact is closed again.
    - o If the air conditioning unit is ON when the contact is opened, the unit will be automatically restarted with the same settings when the contact is closed again.

Fire Protection function:

- When the contact is opened (fire protection triggered), the air conditioning unit is stopped once the contact has been opened for 3 seconds. This is done to avoid keeping the air conditioning unit blowing air when a fire has been detected. Once indoor unit is stopped, the operations from the remote controllers (wired or wireless) are prohibited: indoor unit will not follow any command sent from the wired or the wireless controller. The status of the indoor unit on the wired controller will be “OFF” status. When contact is closed again (fire protection released or not triggered), the air conditioning unit operation is released and set to OFF status. The user may restart the unit from the wired or wireless controller if necessary.

Priority between Access Control and Fire Protection:

Both functions can be used on a single indoor unit and operated independently. The operation of the indoor unit will remain OFF and blocked if one of the contacts remains open.

12.6 Instructions to use an external input contact for ON/OFF operation

1) Function setting

The factory default settings related to the external input contact functions are the following:

- Access Control and Fire Protection functions: activated
- ON/OFF function: deactivated.

In case the ON/OFF function is required on site, it is necessary to activate this external control function from the wired controller, using the “System Parameter” menu (check parameter 25). Refer to the chapter 12.3 “Indoor Unit Parameter Revision” for details.

Note: Activating the external ON/OFF function by the system parameter 25 will automatically deactivate the Access Control and Fire Protection functions.

2) Description of the external ON/OFF control

The external ON/OFF function can be used to control the air conditioning system from a 3rd party controller or any BMS using a dry contact.

Caution: the ON/OFF commands submitted through the external input contact have priority over the ON/OFF commands sent by the individual controller of the indoor unit (wired or wireless controller).

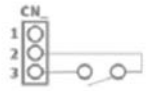
Therefore:

- Once an ON order has been submitted through the external input contact, the air conditioning system cannot be stopped from its individual controller (wired or wireless controller)
- Once an OFF order has been submitted through the external input contact, the air conditioning system cannot be started from its individual controller (wired or wireless controller)

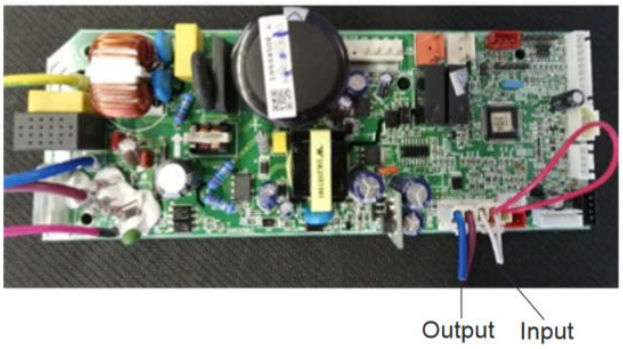
The other settings like temperature set point, fan speed, can still be set from the individual controller of the indoor unit. Only the ON/OFF commands are affected by these limitations.

3) Electric connections to the indoor unit PCB

The ON/OFF operation can be realized using the external input contact 2 available on the indoor unit main PCB (white cable on the connector plugged on the input contact). Depending on the indoor unit model, the reference of the input connector on the main PCB may change. Refer to the table below for details:

Input contact	Series	Model names	Connector ref on main PCB	Electric diagram	Possible function(s)
Input 2 - White wire	PRIMAIRY R32	RPIL-3.0UFE1NH	X14 pins 2&3		External ON/OFF (System parameter 25 set to 4)
		All other models	CN16 pins 2&3		

Examples of indoor unit main PCB with the position of the external input and output contacts + input connector with red and white wires:



Use of the external ON/OFF control function:

Cut off the white wire of the connector (see pictures above) and connect the related terminals to the external ON/OFF control switch of the installation. The control logic of the external ON/OFF function is as follows:

- External contact closed: ON order
- External contact open: OFF order

Note: other settings like temperature set point, fan speed, louver position shall be set using the individual controller of the indoor unit (wired or wireless controller).

12. FIELD SETTING

Combined use of the external input and output contacts:

It is possible to associate the external ON/OFF command with the external alarm output signal to control the air conditioning system from an external controller.

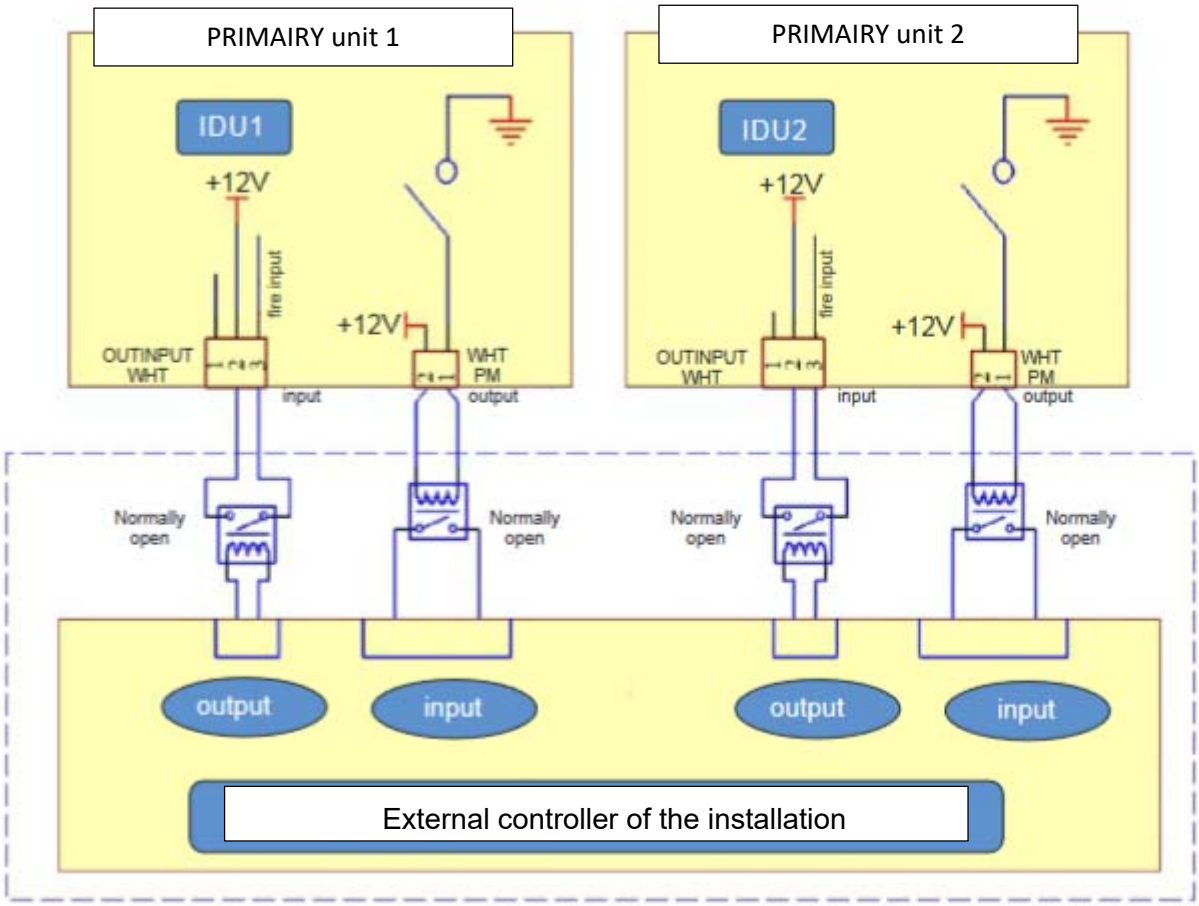
The output contact is managing a 12VDC output contact related to the alarm status of the indoor unit:

- Blue wire: positive terminal
- Brown wire: negative terminal

Control logic of the output contact:

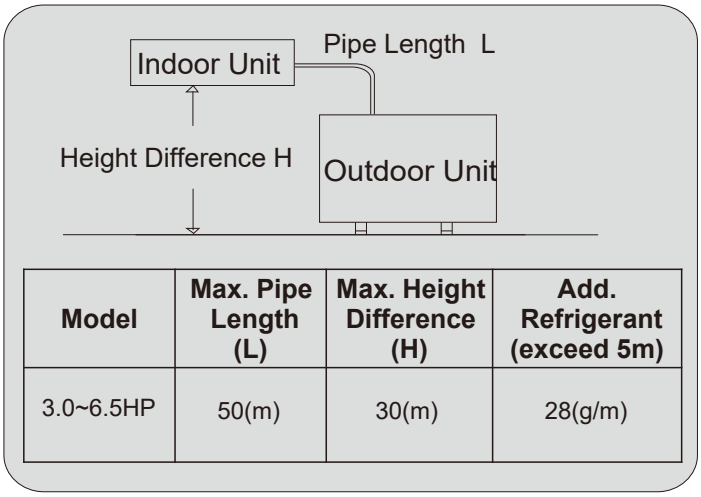
- Indoor unit has no alarm: no output tension (0 VDC)
- Indoor unit has an alarm: +12 VDC output tension.

Example of external control of 2 PRIMAIRY system from one external controller, with external ON/OFF operation + alarm feedback:



13. PIPING WORK AND REFRIGERANT CHARGE

13.1 MAX.Length Allowed



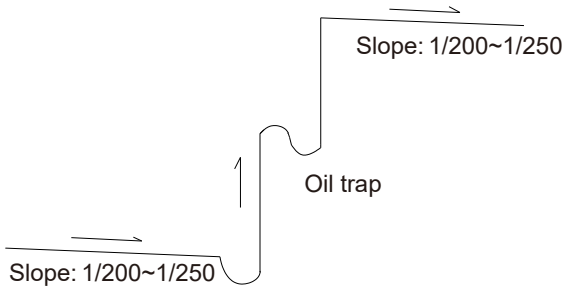
Model	Max. Pipe Length (L)	Max. Height Difference (H)	Add. Refrigerant (exceed 5m)
3.0~6.5HP	50(m)	30(m)	28(g/m)

Additional refrigerant charge

The unit has been filled with refrigerant, but if the pipe exceeds 5m, additional refrigerant (R32) charge is required. Additional refrigerant charge =(L-5)×28g/m

13.2 Oil Trap

When the indoor unit is lower than outdoor unit and height difference is larger than 5m, set an oil trap every 5m (height difference) on suction piping.

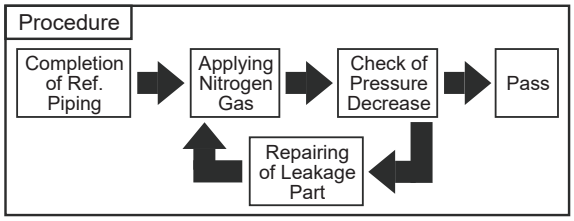


NOTE:

1) To avoid storing too much oil in the oil trap, the oil trap should be as short as possible.
2) The horizontal piping should slope down along the refrigerant flow direction, to bring the oil back to compressor, the slope is about 1/200 to1/250.
3) In order to ensure cooling/heating performance better, the refrigerant piping should be as short and straight as possible.

13.3 Air Tight Test

Do use nitrogen when performing air-tight test.
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 4.3MPa. Check for any gas leakage at the flare nut connections, or brazed parts by gas leak detector or foaming agent. It is OK if gas pressure does not decrease. After the air tight test, release nitrogen gas.



Air tight procedure

13.4 Additional Refrigerant Charge

Although refrigerant has been charged into this unit, additional refrigerant charge is required according to the piping length.

- The additional refrigerant precharge quantity should be determined and charged into the system according to the following procedure.
- Record the additional refrigerant quantity in order to facilitate maintenance and servicing activities.

Refrigerant charge before shipment (W0 (kg))

W0 is the outdoor unit refrigerant charge before shipment;

Xg is additional refrigerant outdoor unit needed to charge according to piping length during installation.

Model	Refrigerant Precharged before Shipment(W0(g))	Total Refrigerant Pipe Length	
		0m～5m	Longer than 5m
3.0HP	1400	0g	Xg = 28g / m×(Total pipe length(m) -5)
3.5HP	1450	0g	
4.0HP	2000	0g	
5.0HP	2500	0g	
6.0HP	3000	0g	
6.5HP	3400	0g	

14. INSTALLATION TOOLS AND INSTALLATION FLOW CHART

14.1 Necessary Tools and Instrument List for Installation

No.	Tool	No.	Tool	No.	Tool	No.	Tool
1	Handsaw	6	Copper Pipe Bender	11	Spanner	16	Leveler
2	Phillips Screwdriver	7	Manual Water Pump	12	Charging Cylinder	17	Clamper for Solder-less Terminals
3	Vacuum Pump	8	Pipe Cutter	13	Gauge Manifold	18	Hoist (for Indoor Unit)
4	Refrigerant Gas Hose	9	Brazing Kit	14	Cutter for Wires	19	Ammeter
5	Megohmmeter	10	Hexagon Wrench	15	Gas Leak Detector	20	Voltage Meter

Use specified tools and measuring instruments only for the new refrigerant.

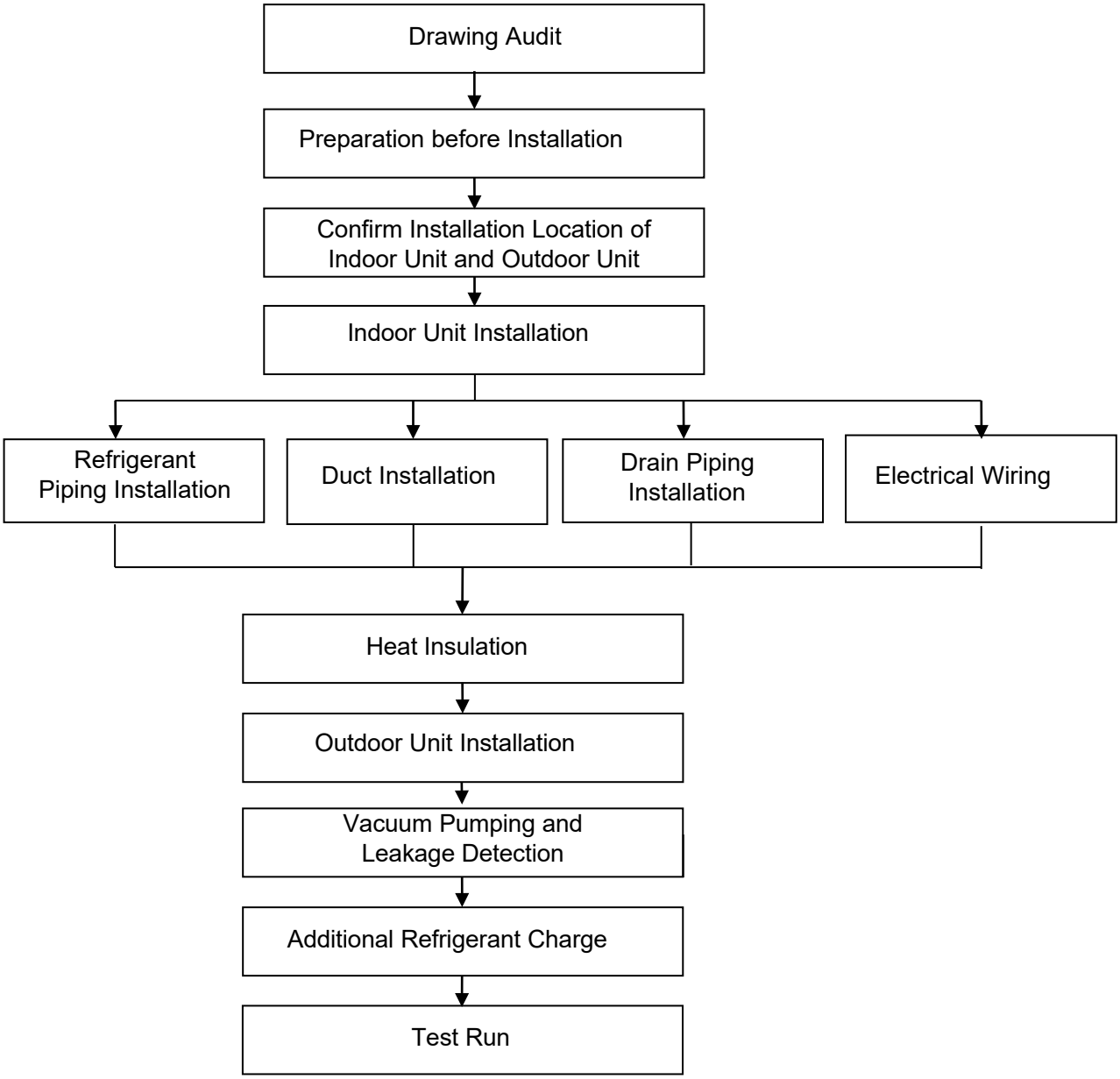
✧: Interchangeability is available with R410A ●: Only for Refrigerant R32

×: Prohibited ✦: Only for Refrigerant R22

Measuring Instrument and Tool for R410A		R32	R22	Reason of Non-Interchangeability and Attention (*: Strictly Required)	Use
Refrigerant Pipe	Pipe Cutter Chamfering Reamer	✧	✧	-	Cutting Pipe Removing Burrs
	Flaring Tool	✧	✧	* The flaring tools for R32 are applicable to R22/R410A. * If using flaring tube, make dimension of tube larger for R410A. * In case of material 1/2H, flaring is not available.	Flaring for Tubes
	Pipe Bender	✧	✧	* In case of material 1/2H, bending is not available. Use elbow for bend and braze.	Bending
	Expanding Tool	✧	✧	* In case of material 1/2H, expanding of tube is not available. Use socket for connecting tube.	Expanding Tubes
	Torque Wrench	✧	×	* For ϕ1/2, ϕ5/8, spanner size is up 2mm.	Connection of Flare Nut
		✧	✧	* For ϕ1/4, ϕ3/8, ϕ3/4, spanner size is the same.	
	Brazing Tool	✧	✧	* Perform correct brazing work.	Brazing for Tubes
	Nitrogen Gas	✧	✧	* Strict Control against Contamin (Blow nitrogen during brazing.)	Prevention from Oxidation during B i
	Lubrication Oil (for Flare Surface)	●	✦	* Use a synthetic oil which is equivalent to the oil used in the refrigeration cycle. * Synthetic oil absorbs moisture quickly.	Applying Oil to the Flared Surface
Vacuum Drying& Refrigerant Charge	Refrigerant Cylinder	×	×	* Check refrigerant cylinder color. * Liquid refrigerant charging is required regarding zeotoropic refrigerant. * Use the weight scale.	Refrigerant Charging
	Vacuum Pump	✧	✧	* The current ones are applicable. However, it is required to mount a vacuum pump adapter which can prevent from reverse flow when a vacuum pump stops, resulting in no reverse oil flow.	Vacuum Pumping
	Adapter for Vacuum Pump	✧	✦		
	Manifold Valve	✧	✦	* No interchangeability is available due to higher pressures when compared with R22. * Do not use current ones to the different refrigerant. If used, mineral oil will flow into the cycle and cause sludges, resulting in clogging or compressor failure.	Vacuum Pumping, Vacuum Holding, Refrigerant Charging and Check of Pressures
	Charging Hose	✧	×	* Connection diameter is different; R32/R410A: UNF1/2, R22: UNF7/16.	
	Weight Scale	✧	✧		Measuring Instrument for Refrigerant Charging
	Refrigerant Gas Leakage Detector	×	×	* The current gas leakage detector (R22) is not applicable due to different detecting method.	Gas Leakage Check

14. INSTALLATION TOOLS AND INSTALLATION FLOW CHART

14.2 Installation Flow Chart



NOTE: This flow is only for reference; for details, see installation manual section.

15. CONTROL MODE

15.1 Indoor Unit Mode Control

1. Main General Technical Parameters

(1) Remote receiver distance: 8 m.

(2) Remote receiver angle: Less than 80 degrees.

(3) Temperature control accuracy: ±1℃.

(4) Time error: Less than 1%.

2. Functions of the Control Function

2.1 Emergency Switch

Pressing the emergency button can rstart or stop the machine, which can start up according to the automatic mode of operation.

Press this button to turn ON the unit, the machine will run in auto mode, and press it again to turn it off.

When the machine is OFF, press and hold the emergency switch for 5 seconds, with 3 beeps, the indoor unit would turn to emergency running. In such situation, the machine would be forced to turn to cooling operation with high speed, the flaps sweep and the machine's operation is irrelevant with room temperatures.

If a remote signal has been received during the emergency run, the machine will operate upon the command of such a remote signal.

2.2 Operator-machine Communication

Air conditioning and remote controller is provided with a temperature sensor. The remote controller on the temperature sensor detects the default settings of room temperature at room temperature. If the indoor control unit has not received remote control signal for a long time, it will automatically switch to the air conditioner body temperature sensor.

2.3 Timer Function

(1) Timer ON

When set to start at a time by the remote controller, the air conditioner starts in the timer on condition. When the set time is up, the air conditioner will start up and operates in the preset conditions after receiving a signal from the remote controller. If the air conditioner has not received a signal from the remote controller when the set time is up, it will automatically start and operate in the preset conditions.

(2) Timer OFF

When set to stop at a set time by the remote controller, the air conditioner will start in the timer off condition. When the set time is up, the air conditioner will be off after receiving a signal from the remote controller. If the air conditioner has not received a signal from the remote controller when the set time is up, it will get off automatically.

(3) Neither the turning on nor turning off operation will cancel the timer function.

2.4 Sleep

(1) In the heating, cooling or dehumidifying mode, press the “Sleep” button on the remote controller to start or cancel the sleep function in turn, and at the same time the sleep icon on the display screen will be on or off accordingly.

(2) In the heating mode, the set temperature will decrease automatically after the sleep function is started.

(3) In the cooling mode, the set temperature will rise automatically after the sleep function is started.

(4) By default, the setting is to cancel the sleep function. Turning off the unit will also cancel the sleep function.

2.5 Highly Efficient Run Function (only for Some Remote Controller)

In Cooling, Dehumidification, Fan mode, press the "HIGH POWER " to enter the refrigeration mode, set the temperature automatically adjusting to the lowest temperature; the Fan operates with powerful speed; frequency is high frequency operation.

In heating mode, press the "HIGH POWER" to enter the refrigeration mode, set the temperature automatically to adjust to the highest temperature; the Fan speed is powerful speed; frequency is high frequency operation.

Mute function (only for some remote controller)

In the indoor unit operation mode, you may turn on or turn off mute function with mute key. The air conditioner will run with mute fan speed in mute mode.

2.6 Cooling Wind Prevention Mode

In the heating-run, to prevent the indoor fan from blowing cold air, the indoor fan will stop or run slowly until the coil is warm.

2.7 Blowing Waste Heating and Waste Cooling Function

In the heating mode, when the air conditioner is turned off, the indoor heat exchanger temperature is still higher, so the air conditioner will continue to run the waste heat operation.

In Cooling and dehumidification mode, after the compressor stops, indoor unit will continue to set the speed of operation for a period of time.

2.8 Dehumidifying Method:

If remote control setting is in dehumidifying mode, indoor unit is forced to run at low speed (high power key or a strong bond also maintains a low wind speed), and the outdoor unit runs according to the refrigeration mode operation.

2.9 Auto Re-start from Power Break

When the power supply is recovered after a break, all presets are still effective and the air conditioner can run according to the previous setting.

How to set/cancel:

It can be set /cancelled with wired remote controller.

For details, see internal control parameter adjustment.

15. CONTROL MODE

2.10 Fault Code

The fault code can be shown by LED lamps or will display on the wired controller.

2.11 Filter Cleaning

FC will light up when air filter is clogged with dust.

How to set/cancel: It can be set /cancelled with wired remote controller.

For details, see internal control parameter adjustment.

15. CONTROL MODE

15.2 Outdoor Unit Mode Control

Control Function

1. Cooling Anti-freeze Protection

   The indoor coil sensor functions as real time temperature detector of evaporator. It prevents the indoor unit evaporator temperature becoming too low. If the indoor coil temperature is too low, the compressor will automatically start protection mode.

2. Overload Protection

   To prevent system overload caused by excessive pressure, the machine will implement real-time detection when outdoor coil temperature is too high during cooling mode or indoor coil temperature is too high during heating mode.

3. Exhaust Temperature Protection

   To prevent deterioration due to high exhaust temperature of compressor, the machine will realize the real-time detection of the exhaust gas temperature. If the temperature is too high, the compressor provides automatic protection.

4. Oil-return Control

   When the compressor runs at low frequencies for a long time, control system will start the oil-return mechanism. The oil in the system returns to the compressor.

5. Operation Mode

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

6. Four-way Valve Control

   Four-way valve of the outdoor unit shuts down when cooling and defrosting but starts when heating. During the heating process, the four-way valve stops working for a period of time after the compressor is disconnected.

7. Start-up Protection

   To prevent compressor from restarting frequently when the system pressure has not been completely balanced, it cannot be restarted within 3 minutes.

8. Pressure Protection

   When the pressure increases to a preset value, the pressure switch will automatically protect the compressor. The compressor will stop and report the fault code protection.

16. 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

16. SENSOR PARAMETER

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

16. SENSOR PARAMETER

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

16. SENSOR PARAMETER

2. THE PARAMETER OF THE OTHER SENSOR IN INDOOR AND OUTDOOR UNIT：

（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

16. SENSOR PARAMETER

T [℃]	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

16. SENSOR PARAMETER

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

Correct Disposal of this product

This marking indicates that this product should not be disposed with other household wastes throughout the EU.To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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.

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