COMMERCIAL AIR CONDITIONERS

Rooftop Package Unit

50Hz R410A ClimaMaker & ClimaCreator Series

ISO 9001 : 2000
Certificate No.: CC 454

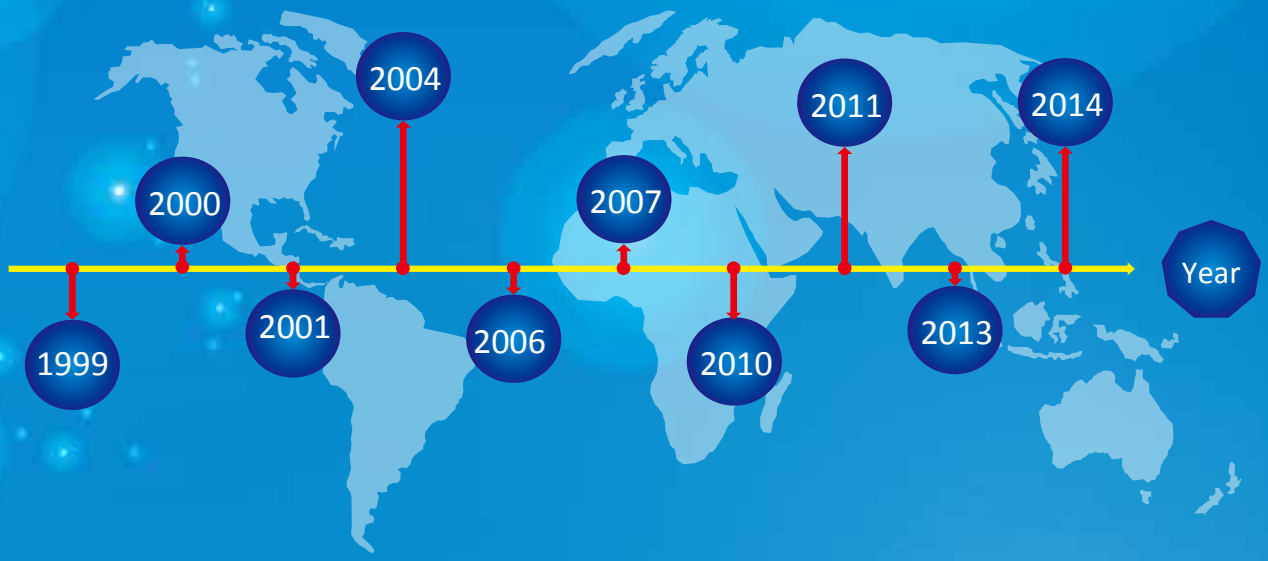
ISO 14001: 2004
Certificate No.:CC1417

Midea CAC (MCAC)

As a key subsidiary of Midea Group, the Midea Central Air Conditioner (MCAC) business unit has emerged as a leading supplier of commercial solutions. Since 1999 MCAC has contributed to the R&D and innovation of technologically-based commercial solutions. Cooperation with leading global enterprises coupled with independent R&D has enabled MCAC to implement thousands of commercial air-conditioning projects worldwide.

At present, MCAC is one of the globally leading product suppliers, underpinned by a mature marketing, sales, and project design framework.

There are three production bases in Shunde, Chongqing and Hefei.
MCAC Shunde: 38 product lines focusing on VRF (DC inverters and digital scroll products), split products, heat pump water heaters, and AHU/FCU.
MCAC Chongqing: 14 product lines focusing on water cooled centrifugal/screw/scroll chillers, air cooled screw/scroll chillers, and AHU/FCU.
MCAC Hefei: 11 product lines focusing on VRF, chillers, and heat pump water heaters.



2014 Launched the All DC Inverter V5X globally
2013 Launched the super high efficiency centrifugal chiller with full falling film technology
2011 Launched the DC Inverter V4 Plus globally
2010 Built the 3rd manufacturing base in Hefei
2007 Won the first Midea centrifugal chiller project oversea
2006 Launched the first VSD centrifugal chiller
2004 Acquired MGRE entered the chiller industry
2001 Partnered with Copeland to develop the digital scroll VRF system
2000 Developed the first inverter VRF With Toshiba
1999 Entered the CAC field

Introduction

Dedicated to create a comfortable,quiet and high quality life for you

Midea 50Hz Rooftop Packaged Air Conditioners are designed and manufactured to meet the requirements of the severe climatic conditions and are built specifically for outdoor installations, either on ground or roof level. The 50Hz Rooftop Packaged Air Conditioners are ideal for warehouses, large halls, schools, residences, or wherever the requirement is for a heavy duty unit with a hermetic scroll compressor.

The units are available from 6.2 to 30ton nominal (22 to 97kW) in 50Hz.

50Hz Rooftop Packaged Air Conditioners are completely assembled, internally wired, charged with refrigerant at factory, tested before ship and ready for installation. All that is required on site is connecting ducting and power supply. This greatly reduces installation work and costs. They are designed for ducted systems which will enable them to be installed on rooftops or on the ground.

Contents

ClimaMaker Series

Contents

Product lineup

Nominal Capacity(Ton)	Model	Function	Air Outlet	Power Supply
6.2	MRCT-062CWN1-R(A)	Cooling only	Side air supply	380~415V-3N-50Hz
6.2	MRCT-062EWN1-R(A)	Cooling+EAH	Side air supply	380~415V-3N-50Hz
7.5	MRCT-075CWN1-R(A)	Cooling only	Side air supply	380~415V-3N-50Hz
7.5	MRCT-075EWN1-R(A)	Cooling+EAH	Side air supply	380~415V-3N-50Hz
8.5	MRCT-085CWN1-R(A)	Cooling only	Side air supply	380~415V-3N-50Hz
8.5	MRCT-085EWN1-R(A)	Cooling+EAH	Side air supply	380~415V-3N-50Hz
10	MRCT-100CWN1-R(A)	Cooling only	Side air supply	380~415V-3N-50Hz
10	MRCT-100EWN1-R(A)	Cooling+EAH	Side air supply	380~415V-3N-50Hz
12.5	MRCT-125CWN1-R(A)	Cooling only	Side air supply	380~415V-3N-50Hz
12.5	MRCT-125EWN1-R(A)	Cooling+EAH	Side air supply	380~415V-3N-50Hz
15	MRCT-150CWN1-R(A)	Cooling only	Side air supply	380~415V-3N-50Hz
15	MRCT-150EWN1-R(A)	Cooling+EAH	Side air supply	380~415V-3N-50Hz
17.5	MRCT-175CWN1-R(A)	Cooling only	Side air supply	380~415V-3N-50Hz
17.5	MRCT-175EWN1-R(A)	Cooling+EAH	Side air supply	380~415V-3N-50Hz
20	MRCT-200CWN1-R(A)	Cooling only	Side air supply	380~415V-3N-50Hz
20	MRCT-200EWN1-R(A)	Cooling+EAH	Side air supply	380~415V-3N-50Hz

Note:Please refer to specification tables for accurate cooling and heating capacity with Kw or Btu/h unit.

External appearance

6.2ton

7.5&8.5ton

10ton

12.5&15ton

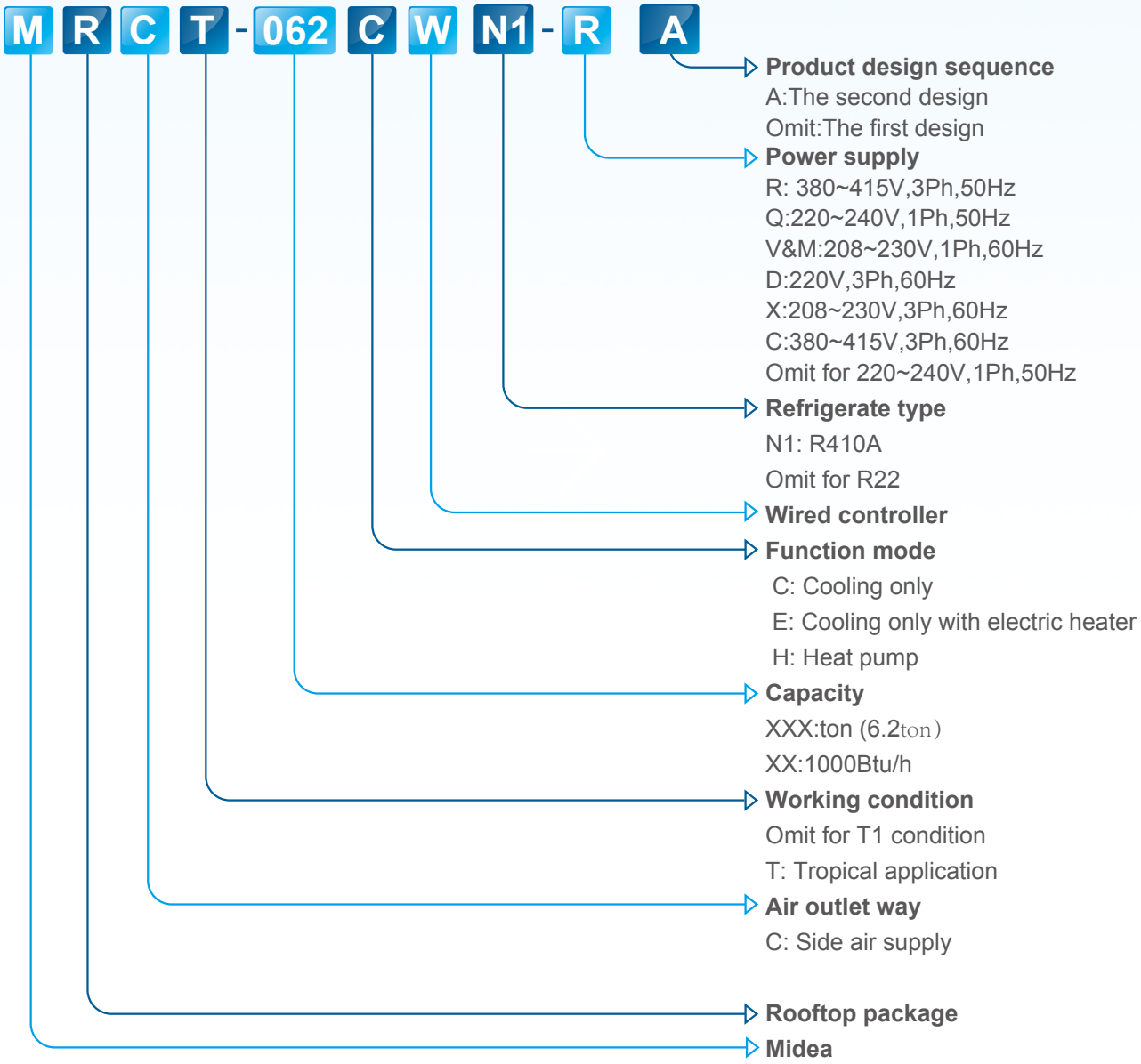
17.5ton

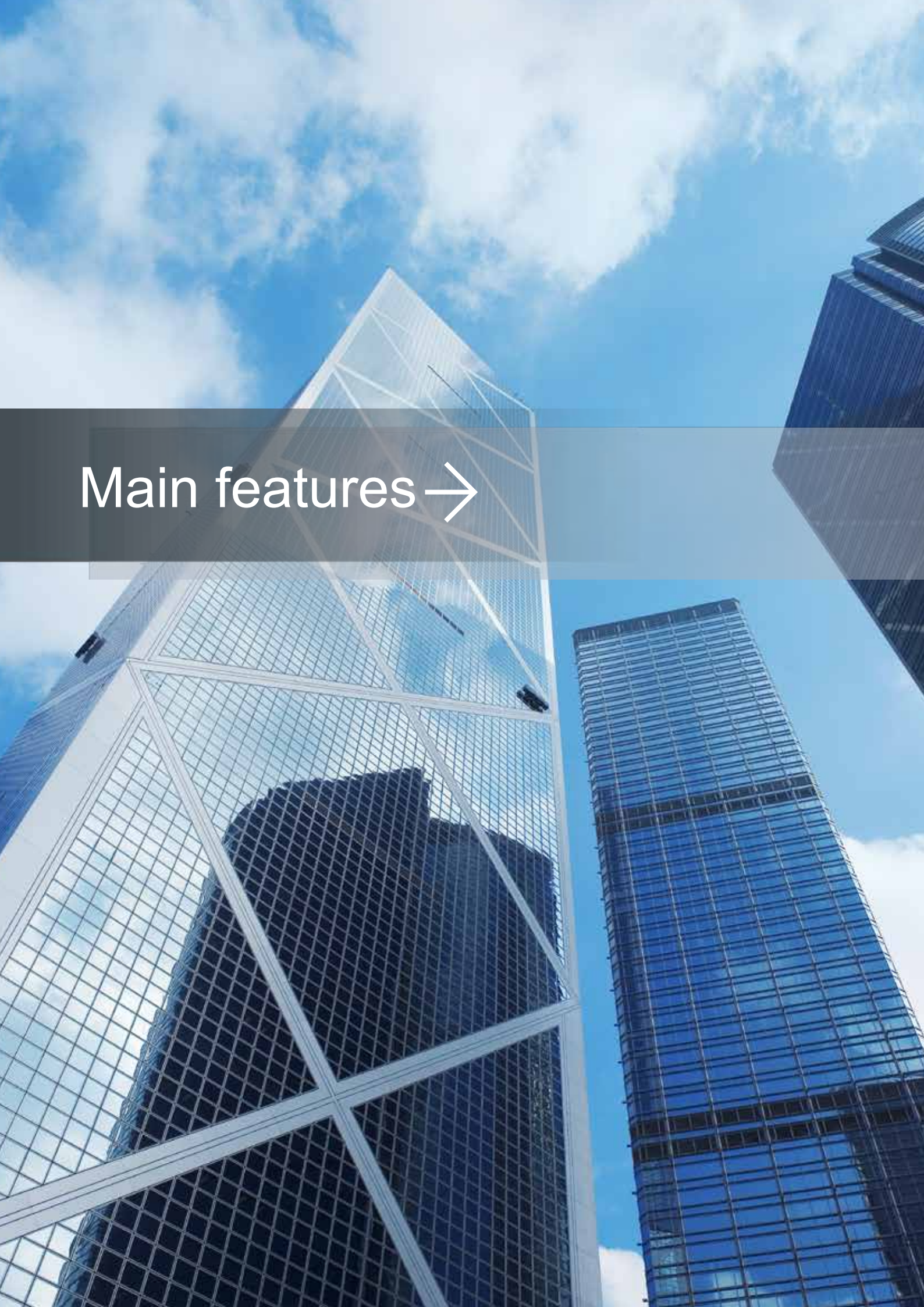
20ton

Accessories

Description	Optional accessories	Standard accessories
Auxiliary electric heaters	◆	
Wired controller KJR-23B	◆	
Wired controller KJR-25B	◆	
Wired controller KJR-12B		◆
Drainage outlet		◆
Snap ring		◆
Drainage pipe		◆
Anti-corrosion fin (Customized)	◆	
Network interface module(Customized)	◆	
Economizer	◆	
Filter (Thickness of 50mm can be customized)	◆	
Three-phase protector	◆	

Nomenclature





Main features →

High reliability and high efficiency

Outstanding reliability

■ Midea rooftop package units shall be factory assembled, internally wired, fully charged refrigerant and 100% run tested to check cooling and heating operation, fan and blower rotation, and control sequence before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. The unit is provided with an integral weather resistant control panel.

■ Multiple self-protecting functions guarantee the safety of unit and running perfectly: high-pressure protection, low-pressure protection, over-heat protection, over-current protection and so on.

Reliable components

Famous brand compressor, high IP class motor, realiable pressure switch.



Durable construction

■ Pre-painted exterior cabinet panels pass 1000-hour Salt Spray Test for durability.

■ Weather-resistant construction with capped seams and sloped top panels.

■ G90 galvanized heavy gauge plate conforming to ASTM-A-653, Zinc content of galvanized plate is 275 g/m^2.



Excellent efficiency

■ High efficiency scroll compressor.

■ High EER.

Well compressor control

■ Compressor start-stop is controlled directly by the main control board. To prevent compressor start and stop frequently, when the unit first / re-power, the compressor will delay three minutes to start, when the indoor temperature is below the set temperature or mode conversion or system protection, the compressor will start after seven minutes delay.

■ It has two-stage control for the system which has two compressors. The system will shut off one compressor in condition of part load.

Variable Speed Pulley

Through changing the working pitch diameter of the pulley mounted on driver shaft, in turn the revolutions per minute of the driven shaft will increase or decrease to change air volume.

Note: The function is only available for 12.5ton and above.

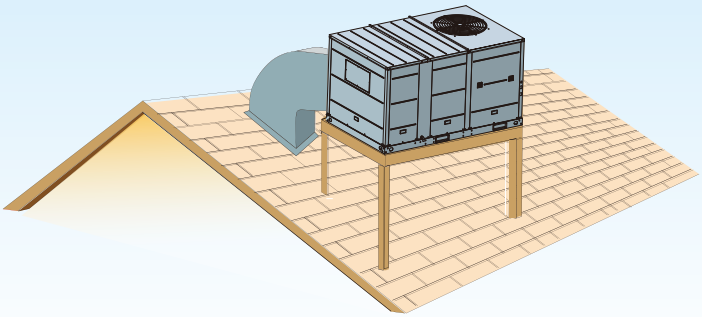
Easy to installation and service

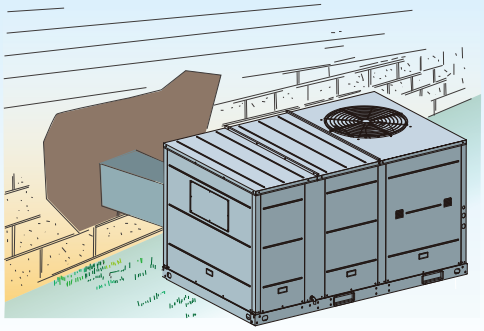
External pressure gauge ports

To external pressure gauge ports, which are permanently identified embossed wording that clearly identifies the compressor circuit, high pressure connection and low pressure connection. With the gauge ports mounted externally, an accurate diagnostic of system operation can be performed quickly and easily without disrupting airflow.

Design flexibility

- Rooftop or ground is optional for installation.
- Anywhere removable as requirement without fixed.

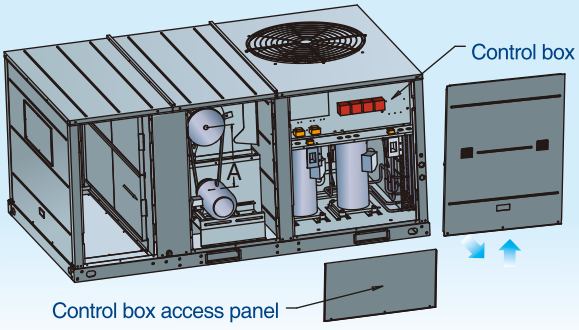




Easy to install, service and maintain

- Installer no need to enter inside of the door, only out-of-doors.
- Compact size and integrated indoor unit and outdoor unit, save the transportation, lifting and installation cost.
- Most components are standard.
- Heat exchanger is easy for clean and maintenance.
- A complete factory running test is performanced on each unit without any potential start up problem.

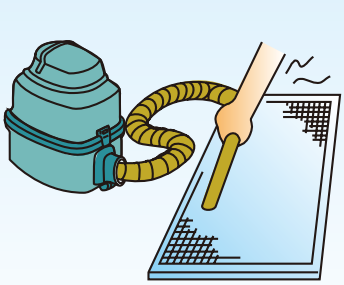
Easy access doors



- Provide easy access to system components for maintenance and service.
- Removable access doors on the filter, fan motor, and control box sections.

Washable filter

The washable filter can be easily removed and installed to save the maintenance cost.

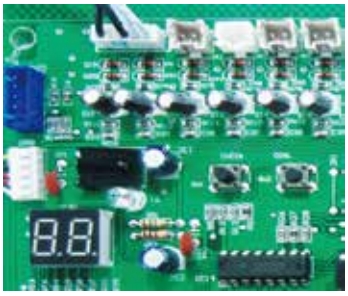


Easy drainage

External drainage port reserved, quickly and accurately connect the rubber drainage pipe.

Low voltage connections

All ports of low voltage wires are integrated in the PCB board,so it is easy and safe for the installer to wire.



System self diagnostic

The system self-diagnostic function, press the “check” button, the LED displays the normal checking code. When the unit is in running with abnormal operation, the LED will display the error code.

Standard features

High efficiency and high reliability scroll compressor

Discharge temperature protection for compressor

Condenser's high temperature protection

Indoor fan overload of current protection

Temperature sensor on/off protection

High/Low pressure switch protection

Evaporator anti-freezing protection

Outdoor fan integrate protection

Compressor integrate protection

Compressor current protection

Anti-cold protection

Washable filter

Fan belt driving

Rubber drain pipe

Stainless steel bolt

Convertible airflow

Crankcase heaters

Metal condenser fan

Quickly access doors

Fresh air intake function

Thermal expansion valve

Cooling & heating thermostat

All coils are tested at 450psig

External pressure gauge port

Adjustable fan motor mounting track

Easy access low voltage terminal board

Forwar d curved design of blower wheels

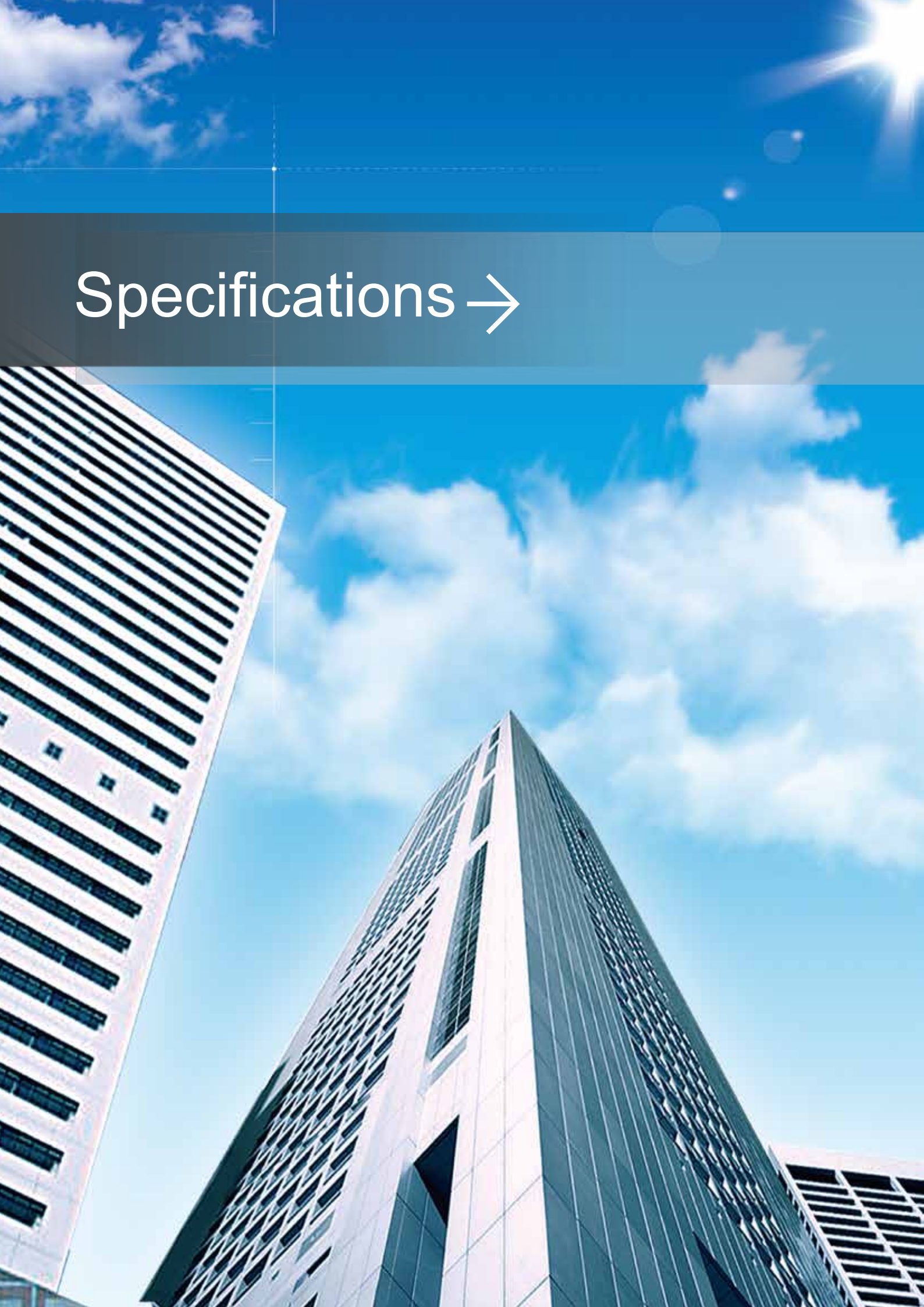
Salt spray test of steel sheet for 1000 hours

Belt driven & forward curved blower for air supply

Copper tube+hydrophilic aluminium fin heat-exchanger

G90 galvanized heavy gauge plate conforming to ASTMA 653

Specifications →



Nominal ton		(Ton)	6.2	6.2	7.5	7.5
Model			MRCT-062CWN1-R(A)	MRCT-062EWN1-R(A)	MRCT-075CWN1-R(A)	MRCT-075EWN1-R(A)
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity (1)	Btu/h	75000	75000	89000	89000
		kW	22.0	22.0	26.0	26.0
	Power Input (1)	kW	6.6	6.6	8.0	8.0
	Cooling Capacity (2)	Btu/h	62000	62000	71000	71000
		kW	18.2	18.2	20.8	20.8
	Power Input (2)	kW	7.6	7.6	8.8	8.8
Heating	EAH Capacity	Btu/h	-	51200	-	47800
		kW	-	15	-	14
	Power Input	kW	-	15	-	14
Max. input consumption		kW	8.1	8.1	14.2	14.2
Max. current		A	16	16	30	30
Performance	Indoor fan air flow	CFM	2150	2000	3200	3100
	EER 1	Btu/W.h	11.4	11.4	11.1	11.1
	EER 2	Btu/W.h	8.2	8.2	8.1	8.1
Indoor Coil	Number of rows		4	4	2	2
	Fin spacing	mm	1.6	1.6	1.6	1.6
		FPI	16	16	16	16
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	0.313	0.313	0.313	0.313
Indoor fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
	Quantity		1	1	1	1
	Drive type		Direct,1 phase	Direct,1 phase	Belt,3 phase	Belt,3 phase
	Motors quantity		1	1	1	1
	Motor Output	W	550	550	1500	1500
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	2	2
	Brand		Copeland	Copeland	Hitachi	Hitachi
	Capacity	Btu/h	55000	55000	52784×2	52784×2
	Refrigerant oil charge	ml	1656	1656	1300x2	1300x2
Outdoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.3	1.3	1.6	1.6
		FPI	20	20	16	16
	Tube diameter	mm	7	7	7.94	7.94
		inch	0.276	0.276	0.313	0.313
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1
	Drive type		Direct,1 phase	Direct,1 phase	Belt,3 phase	Belt,3 phase
	Motors quantity		1	1	1	1
	Motor Output	W	230	230	600	600
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5	5	2.5+2.5	2.5+2.5
	Refrigerant Control		Piston	Capillary	Capillary	Capillary
Filter	Quantity		1	1	2	2
	Size (W×H×D)	mm	495x410x20	495x410x20	447×890×10	447×890×10
Shipping	Qty'Per 20'/40'/40'HQ		12/24/34	12/24/34	12/26/26	12/26/26

Notes:
The data are based on the following conditions:
Cooling (1)and Power input(1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.
Cooling (2)and Power input(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46.1°C(115°F) DB.

Nominal ton		(Ton)	8.5	8.5	10	10
Model			MRCT-085CWN1-R(A)	MRCT-085EWN1-R(A)	MRCT-100CWN1-R(A)	MRCT-100EWN1-R(A)
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity (1)	Btu/h	103000	103000	120000	120000
		kW	30.0	30.0	35.0	35.0
	Power Input (1)	kW	9.2	9.2	10.9	10.9
	Cooling Capacity (2)	Btu/h	81500	81500	100000	100000
		kW	23.9	23.9	29.3	29.3
	Power Input (2)	kW	10.1	10.1	12.6	12.6
Heating	EAH Capacity	Btu/h	-	47800	-	71700
		kW	-	14	-	21
	Power Input	kW	-	14	-	21
Max. input consumption		kW	14.2	14.2	16.0	16.0
Max. current		A	30	30	33	33
Performance	Indoor fan air flow	CFM	3400	3100	3500	3400
	EER 1	Btu/W.h	11.2	11.2	11.0	11.0
	EER 2	Btu/W.h	8.1	8.1	7.9	7.9
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6
		FPI	16	16	16	16
	Tube diameter	mm	7.94	7.94	7	7
		inch	0.313	0.313	0.276	0.276
Indoor fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
	Quantity		1	1	1	1
	Drive type		Belt, 3 phase	Belt, 3 phase	Belt, 3 phase	Belt, 3 phase
	Motors quantity		1	1	1	1
	Motor Output	W	1500	1500	1500	1500
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2
	Brand		Hitachi	Hitachi	Hitachi	Hitachi
	Capacity	Btu/h	52784×2	52784×2	58345×2	58345×2
	Refrigerant oil charge	ml	1300x2	1300x2	1300x2	1300x2
Outdoor Coil	Number of rows		3	3	2	2
	Fin spacing	mm	1.6	1.6	1.6	1.6
		FPI	16	16	16	16
	Tube diameter	mm	7.94	7.94	7	7
		inch	0.313	0.313	0.276	0.276
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1
	Drive type		Direct, 3 phase	Direct, 3 phase	Direct, 3 phase	Direct, 3 phase
	Motors quantity		1	1	1	1
	Motor Output	W	600	600	1100	1100
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	2.5+2.5	2.5+2.5	2.5+2.5	2.5+2.5
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity		2	2	2	2
	Size (W×H×D)	mm	447×890×10	447×890×10	566×814×10	566×814×10
Shipping	Qty'Per 20'/40'/40'HQ		12/26/26	12/26/26	8/16/16	8/16/16

Notes:
The data are based on the following conditions:
Cooling (1)and Power input(1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.
Cooling (2)and Power input(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46.1°C(115°F) DB.

Nominal ton		(Ton)	12.5	12.5	15	15
Model			MRCT-125CWN1-R(A)	MRCT-125EWN1-R(A)	MRCT-150CWN1-R(A)	MRCT-150EWN1-R(A)
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity (1)	Btu/h	150000	150000	180000	180000
		kW	43.0	43.0	53.0	53.0
	Power Input (1)	kW	13.8	13.8	17.7	17.7
	Cooling Capacity (2)	Btu/h	125000	125000	148200	148200
		kW	36.6	36.6	43.4	43.4
	Power Input (2)	kW	16.0	16.0	18.9	18.9
Heating	EAH Capacity	Btu/h	-	102400	-	102400
		kW	-	30	-	30
	Power Input	kW	-	30	-	30
Max. input consumption		kW	21.0	21.0	25.0	25.0
Max. current		A	40	40	52	52
Performance	Indoor fan air flow	CFM	5000	4900	5950	5750
	EER 1	Btu/W.h	10.9	10.9	10.2	10.2
	EER 2	Btu/W.h	7.8	7.8	7.8	7.8
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.5	1.5	1.4	1.4
		FPI	17	17	18	18
	Tube diameter	mm	7	7	7.94	7.94
		inch	0.276	0.276	0.313	0.313
Indoor fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
	Quantity		1	1	1	1
	Drive type		Belt, 3 phase	Belt, 3 phase	Belt, 3 phase	Belt, 3 phase
	Motors quantity		1	1	1	1
	Motor Output	W	3000	3000	5500	5500
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		3	3	3	3
	Brand		Hitachi	Hitachi	Hitachi	Hitachi
	Capacity	Btu/h	44015×2+58345	44015×2+58345	58345×3	58345×3
	Refrigerant oil charge	ml	1300x3	1300x3	1300x3	1300x3
Outdoor Coil	Number of rows		3.5	3.5	3.5	3.5
	Fin spacing	mm	1.5	1.5	1.6	1.6
		FPI	17	17	16	16
	Tube diameter	mm	7	7	7.94	7.94
		inch	0.276	0.276	0.313	0.313
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1
	Drive type		Direct, 3 phase	Direct, 3 phase	Direct, 3 phase	Direct, 3 phase
	Motors quantity		1	1	1	1
	Motor Output	W	1100	1100	1100	1100
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	4.4+2.2	4.4+2.2	5.1+2.5	5.1+2.5
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity		2	2	2	2
	Size (W×H×D)	mm	605×1045×12	605×1045×12	605×1045×12	605×1045×12
Shipping	Qty'Per 20'/40'/40'HQ		4/8/15	4/8/15	4/8/15	4/8/15

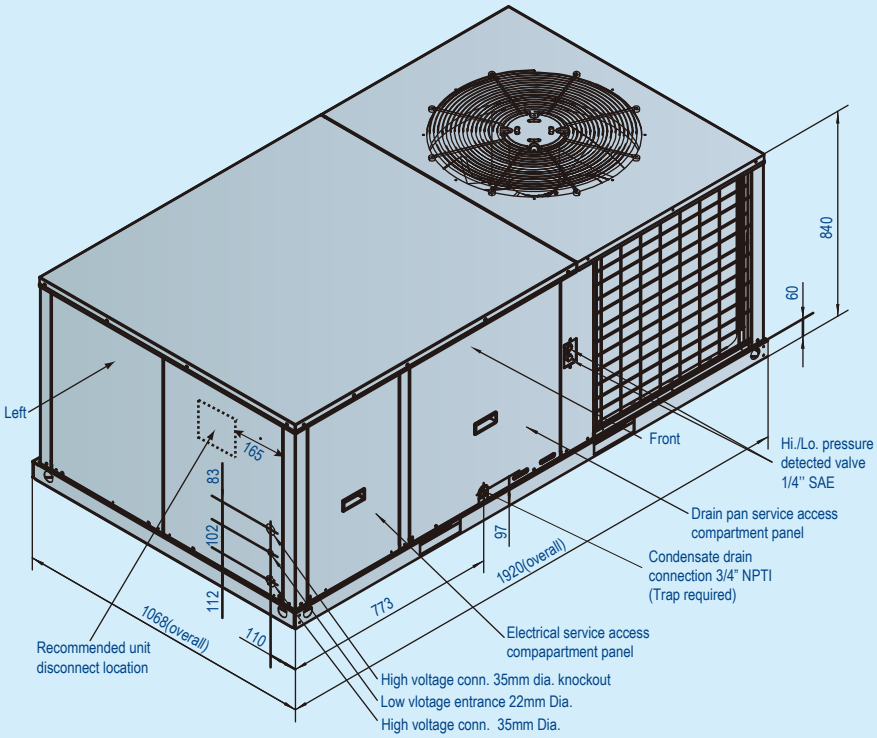
Notes:
The data are based on the following conditions:
Cooling (1)and Power input(1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.
Cooling (2)and Power input(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46.1°C(115°F) DB.

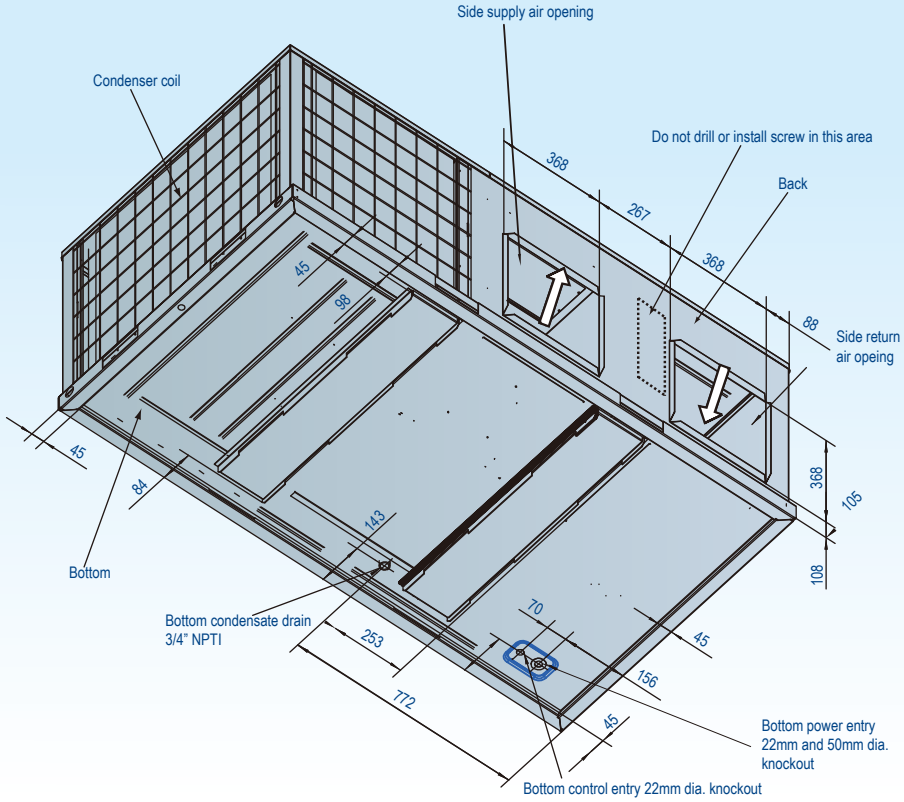
Nominal ton		(Ton)	17.5	17.5	20	20
Model			MRCT-175CWN1-R(A)	MRCT-175EWN1-R(A)	MRCT-200CWN1-R(A)	MRCT-200EWN1-R(A)
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity (1)	Btu/h	208000	208000	240000	240000
		kW	61.0	61.0	70.0	70.0
	Power Input (1)	kW	20.4	20.4	23.7	23.7
	Cooling Capacity (2)	Btu/h	179000	179000	200900	200900
		kW	52.5	52.5	58.9	58.9
	Power Input (2)	kW	22.4	22.4	24.9	24.9
Heating	EAH Capacity	Btu/h	-	102400	-	133100
		kW	-	30	-	39
	Power Input	kW	-	30	-	39
Max. input consumption		kW	28.0	28.0	35.0	35.0
Max. current		A	55.5	55.5	68	68
Performance	Indoor fan air flow	CFM	6600	6400	9000	8200
	EER 1	Btu/W.h	10.2	10.2	10.1	10.1
	EER 2	Btu/W.h	8.0	8.0	8.1	8.1
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.5	1.5	1.5	1.5
		FPI	17	17	17	17
	Tube diameter	mm	7	7	7	7
		inch	0.276	0.276	0.276	0.276
Indoor fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
	Quantity		1	1	1	1
	Drive type		Belt, 3 phase	Belt, 3 phase	Belt, 3 phase	Belt, 3 phase
	Motors quantity		1	1	1	1
	Motor Output	W	5500	5500	5500	5500
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2
	Brand		Copeland	Copeland	Copeland	Copeland
	Capacity	Btu/h	102018×2	102018×2	120500×2	120500×2
	Refrigerant oil charge	ml	2513x2	2513x2	3253x2	3253x2
Outdoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.5	1.5	1.5	1.5
		FPI	17	17	17	17
	Tube diameter	mm	7	7	7	7
		inch	0.276	0.276	0.276	0.276
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		2	2	2	2
	Drive type		Direct, 3 phase	Direct, 3 phase	Direct, 3 phase	Direct, 3 phase
	Motors quantity		2	2	2	2
	Motor Output	W	1100	1100	1500	1500
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	3.2+3.2	3.2+3.2	4.7+4.7	4.7+4.7
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity		2	2	2	2
	Size (W×H×D)	mm	815×1015×12	815×1015×12	956×978×12	956×978×12
Shipping	Qty'Per 20'/40'/40'HQ		3/6/12	3/6/12	2/4/8	2/4/8

Notes:
The data are based on the following conditions:
Cooling (1)and Power input(1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.
Cooling (2)and Power input(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46.1°C(115°F) DB.

Dimensional data

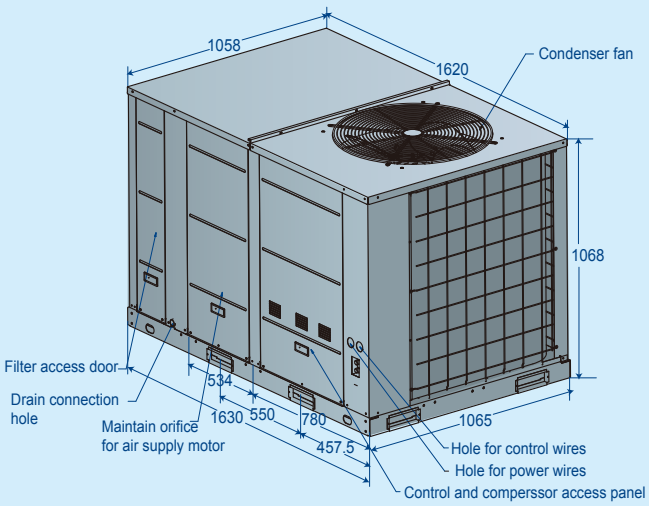
6.2ton

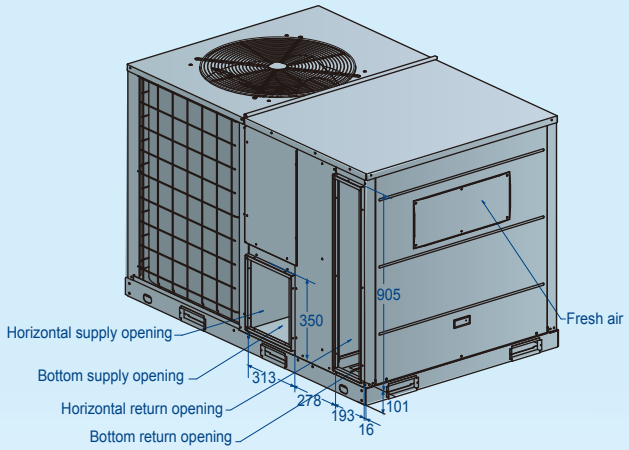


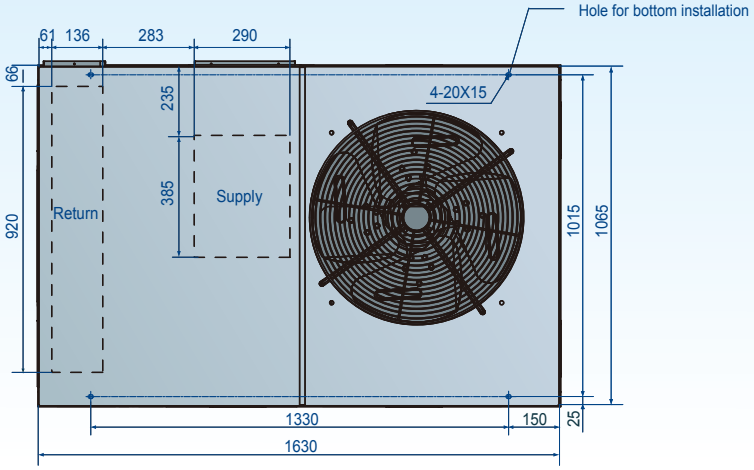


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-062CWN1-R(A)	1920×840×1068	1955×870×1085	246	250
MRCT-062EWN1-R(A)	1920×840×1068	1955×870×1085	251	255

7.5&8.5ton

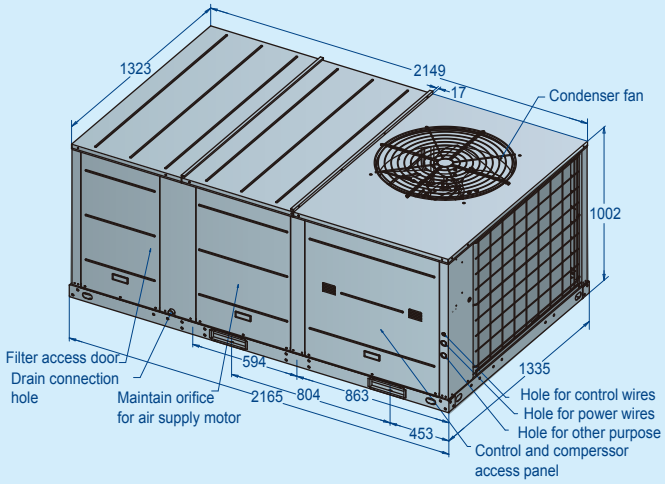


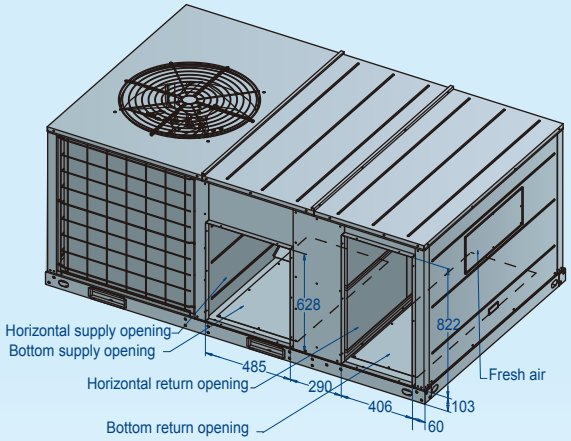


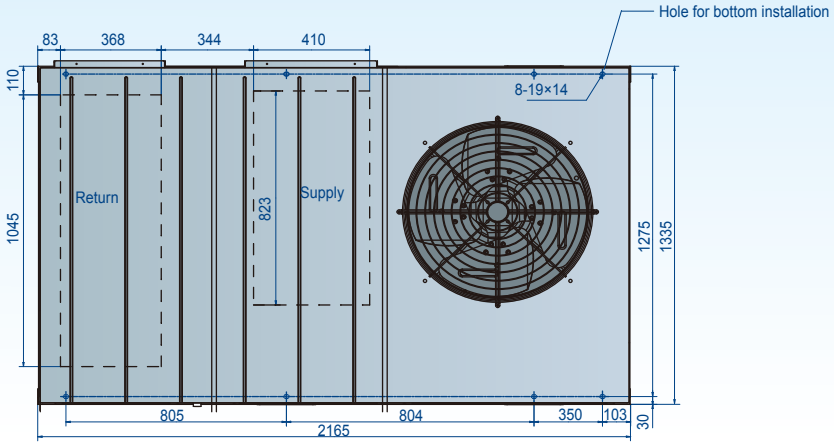


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-075CWN1-R(A)	1630 X1068X1065	1700X1110X1155	335	350
MRCT-075EWN1-R(A)	1630 X1068X1065	1700X1110X1155	340	355
MRCT-085CWN1-R(A)	1630 X1068X1065	1700X1110X1155	335	350
MRCT-085EWN1-R(A)	1630 X1068X1065	1700X1110X1155	340	355

10ton

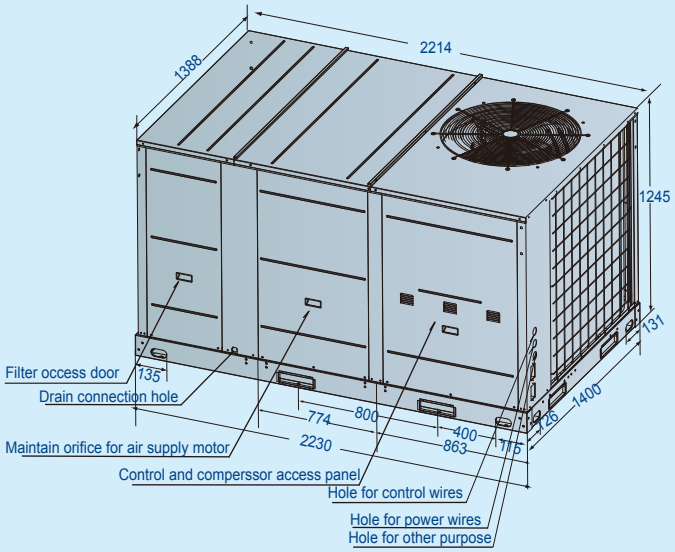


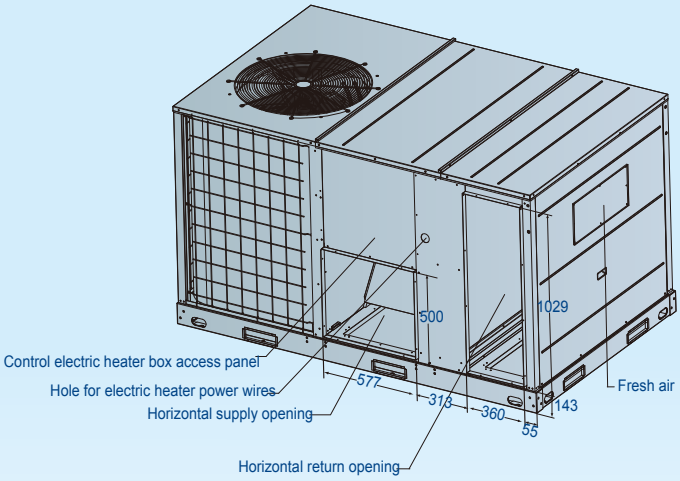


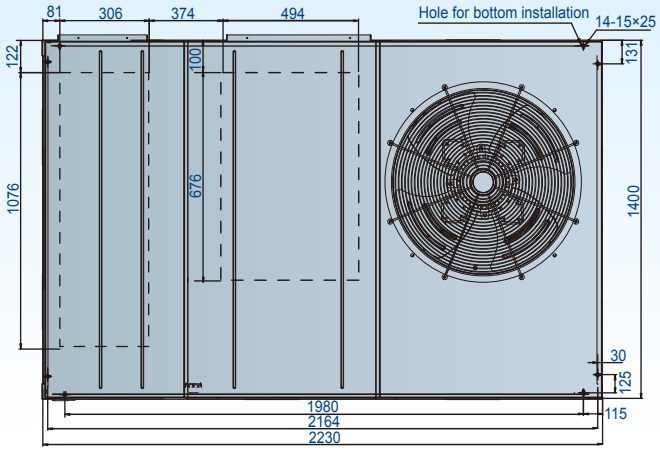


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-100CWN1-R(A)	2165X1002X1335	2220X1040X1415	420	440
MRCT-100EWN1-R(A)	2165X1002X1335	2220X1040X1415	430	450

12.5&15ton

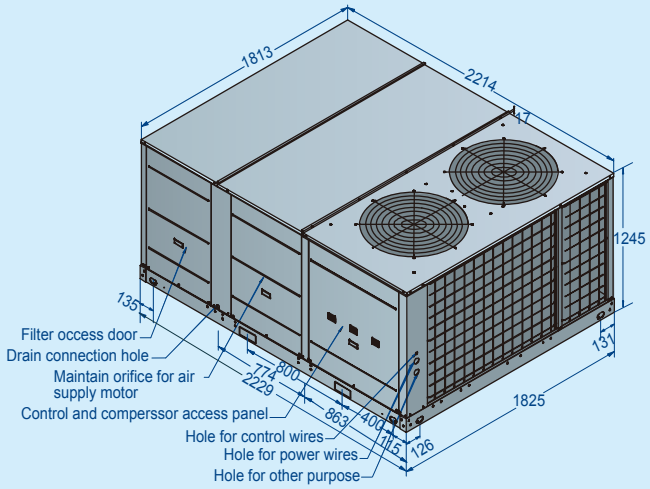


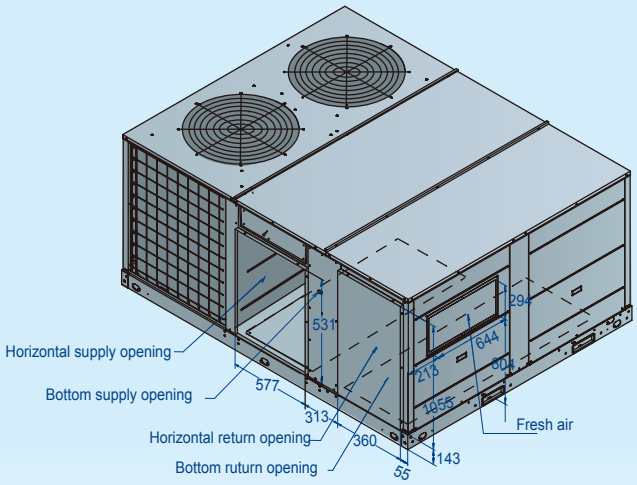


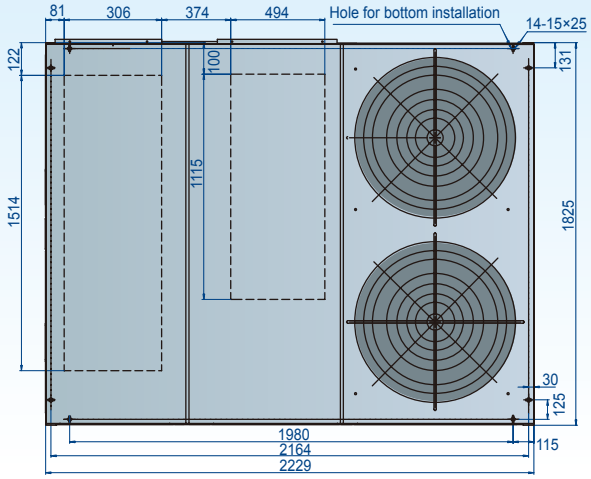


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-125CWN1-R(A)	2230×1245×1400	2265X1280X1455	525	540
MRCT-125EWN1-R(A)	2230×1245×1400	2265X1280X1455	535	550
MRCT-150CWN1-R(A)	2230×1245×1400	2265X1280X1455	605	630
MRCT-150EWN1-R(A)	2230×1245×1400	2265X1280X1455	615	640

17.5ton

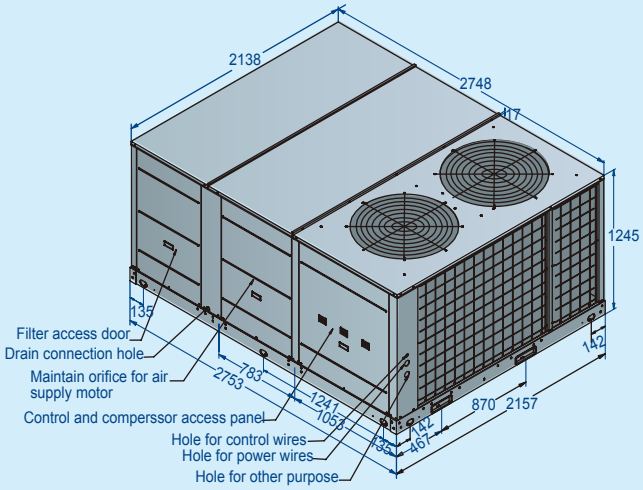


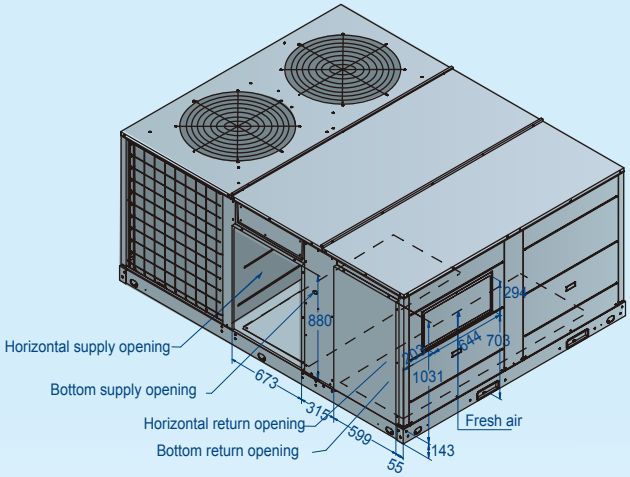


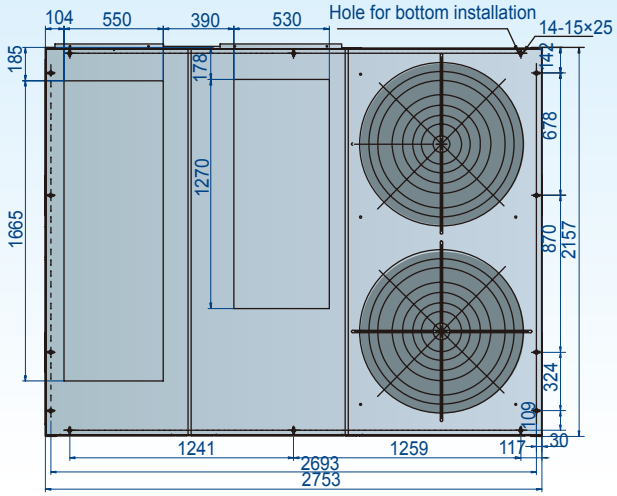


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-175CWN1-R(A)	2229 X1245X1825	2236 X1280X1855	667	692
MRCT-175EWN1-R(A)	2229 X1245X1825	2236 X1280X1855	677	702

20ton





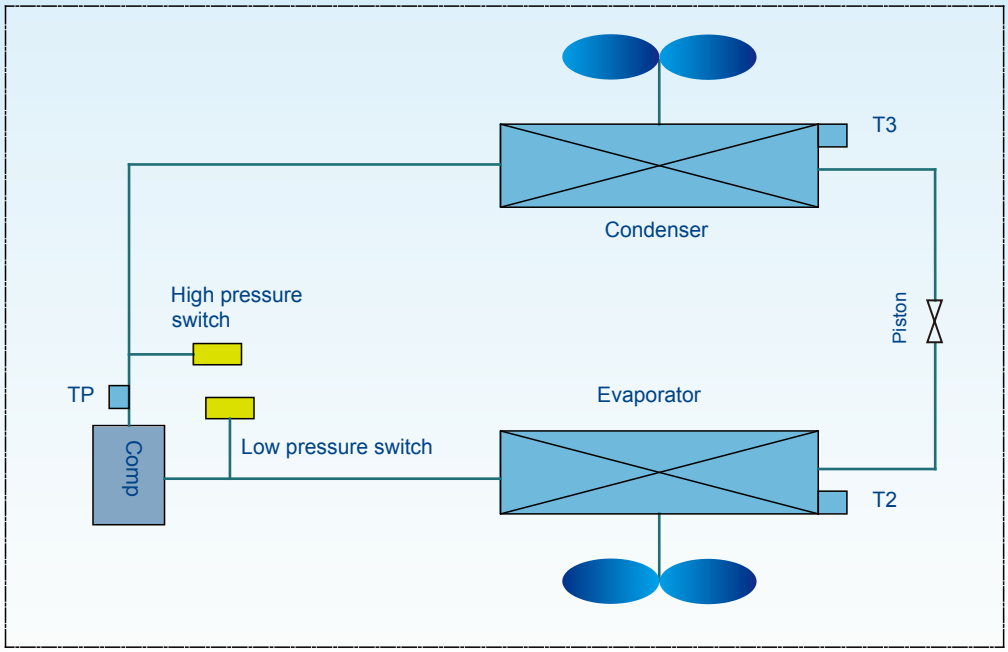


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-200CWN1-R(A)	2753 X1245X2157	2760x1280x2175	915	955
MRCT-200EWN1-R(A)	2753 X1245X2157	2760x1280x2175	930	970

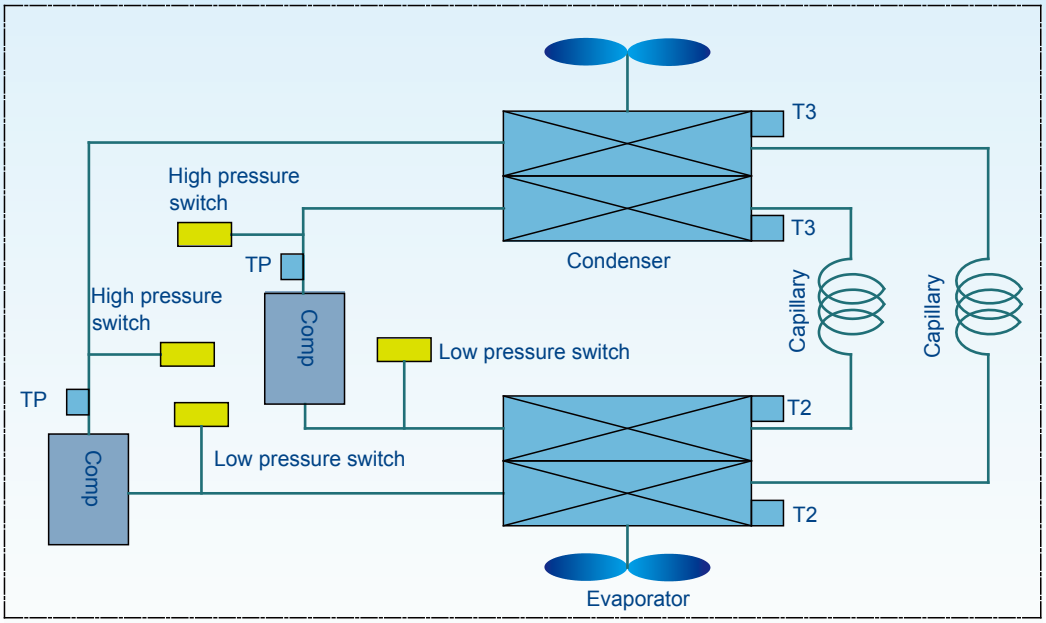
Performance data →

Refrigerant system diagram

6.2ton



7.5,8.5,10,12.5,15,17.5,20ton



TP: Compressor discharge temperature sensor in system A and B
T2: Indoor coil temperature sensor in system A and B
T3: Outdoor coil temperature sensor in system A and B

Capacity table

Cooling capacity for 6.2Ton:

Air Flow(CFM)				1750				1950				2150			
Ambient Temperature	Ent(DB)	(°F)		75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	63.4	64.8	66.2	67.6	67.5	68.9	70.4	72.0	69.2	70.7	72.2	73.8
			SC	55.1	61.6	65.8	67.6	59.1	64.9	68.2	70.7	63.0	65.1	68.0	71.7
			PI	5474.7	5618.7	5871.6	6159.6	5764.0	5908.0	6173.0	6466.9	5884.5	6034.5	6299.5	6599.5
		67	TC	73.8	75.4	77.0	78.7	74.7	76.4	78.0	79.7	75.4	77.0	78.7	80.4
			SC	40.6	51.8	62.8	73.4	42.7	55.0	65.9	75.1	43.9	56.0	68.2	78.3
			PI	6030.5	6205.5	6643.1	6993.1	6096.8	6271.8	6715.4	7065.4	6145.0	6320.0	6763.6	7113.6
		73	TC	77.0	78.7	80.4	82.1	77.5	79.2	80.9	82.6	77.7	79.4	81.1	82.9
			SC	24.7	36.8	46.1	54.9	25.2	36.5	46.3	57.1	25.6	40.0	47.2	57.4
			PI	7420.1	7620.1	7970.1	8364.1	7456.3	7656.3	8006.3	8400.3	7468.3	7668.3	8018.3	8418.3
	95	61	TC	60.1	61.5	62.8	64.2	62.1	63.5	64.9	66.4	64.1	65.5	67.0	68.4
			SC	52.5	57.6	59.6	62.5	54.8	60.1	62.3	65.8	57.2	60.7	64.3	67.0
			PI	6278.5	6457.5	6716.5	7010.5	6423.2	6602.2	6867.2	7167.2	6561.8	6746.8	7011.8	7311.8
		67	TC	66.0	67.5	69.0	70.4	67.3	73.1	75.3	76.5	70.9	75.0	76.6	78.0
			SC	39.2	50.9	62.6	66.5	41.2	54.2	66.8	70.9	43.3	57.1	70.4	71.4
			PI	6025.4	6056.5	6451.2	6801.2	6115.8	6460.3	6903.2	7235.1	6375.0	6600.0	6993.6	7343.6
		73	TC	76.4	78.0	79.7	81.4	76.8	78.5	80.2	81.9	77.1	78.8	80.5	82.2
			SC	23.8	36.1	46.3	56.6	24.2	36.9	47.8	59.0	24.7	37.6	49.1	60.6
			PI	7830.3	8080.3	8588.0	8988.0	7860.4	8110.4	8618.1	9018.1	7884.5	8134.5	8642.3	9042.3
	105	61	TC	55.9	57.1	58.4	59.6	57.9	59.1	60.4	61.7	59.6	60.9	62.3	63.6
			SC	49.8	51.4	53.9	55.5	53.8	54.9	58.2	59.9	57.3	58.3	59.5	61.6
			PI	6366.2	6595.2	6972.8	7266.7	6504.8	6739.8	7117.4	7417.4	6631.4	6866.4	7250.0	7550.0
		67	TC	66.3	67.8	69.2	70.7	67.9	69.4	70.9	72.4	69.2	70.7	72.2	73.8
			SC	36.8	48.6	60.6	66.6	39.0	49.6	65.5	70.0	41.2	55.6	70.3	71.7
			PI	6550.0	6794.0	7177.6	7521.6	6664.5	6908.5	7298.1	7642.1	6754.9	7004.9	7388.5	7738.5
		73	TC	75.5	77.1	78.8	80.4	75.5	77.1	78.7	80.4	76.7	78.3	80.0	81.7
			SC	22.5	35.0	47.9	58.6	22.5	36.2	49.1	60.3	23.6	37.8	50.5	62.1
			PI	8457.9	8737.9	9345.7	9739.6	8451.9	8731.9	9333.6	9733.6	8542.3	8822.3	9430.0	9830.0
	115	61	TC	48.2	49.3	50.4	51.5	49.8	50.9	52.0	53.2	52.0	53.1	54.3	55.6
			SC	45.1	46.3	47.8	49.6	43.4	46.0	48.8	50.1	48.5	50.1	51.7	53.5
			PI	6848.8	7092.8	7316.7	7610.7	6963.3	7207.3	7437.3	7731.2	7120.0	7370.0	7600.0	7900.0
		67	TC	57.8	59.1	60.4	61.8	59.3	60.7	62.0	63.4	60.7	62.0	63.4	64.8
			SC	32.0	44.1	55.4	59.5	34.3	47.4	57.9	61.1	36.5	51.0	56.1	63.2
			PI	7136.5	7405.4	7789.1	8133.0	7245.0	7520.0	7903.6	8247.5	7341.4	7602.4	8000.0	8350.0
		73	TC	69.7	71.3	72.9	74.5	65.7	67.1	68.6	70.2	71.5	73.1	74.7	76.3
			SC	19.0	30.8	43.4	56.2	19.5	32.6	45.3	57.7	20.1	34.2	48.0	61.2
			PI	8596.4	8890.4	9498.1	9898.1	8307.1	8595.1	9196.8	9590.8	8723.0	9023.0	9630.7	10030.7
	118.4	61	TC	46.4	47.5	48.6	49.7	48.0	49.1	50.2	51.4	50.2	51.3	52.5	53.8
			SC	43.3	44.5	46.0	47.8	41.6	44.2	47.0	48.3	46.7	48.3	49.9	51.7
			PI	7178.8	7422.8	7766.7	8060.7	7293.3	7537.3	7887.3	8181.2	7450.0	7700.0	8050.0	8350.0
		67	TC	57.4	58.7	60.0	61.4	58.9	60.3	61.6	63.0	60.3	61.1	63.0	64.4
			SC	31.6	43.7	55.0	59.1	33.9	47.0	57.5	60.7	36.1	50.6	57.2	62.8
			PI	7321.1	7590.1	7982.6	8327.6	7429.6	7704.6	8097.1	8442.2	7526.0	7801.0	8194.6	8544.6
		73	TC	67.9	69.5	71.1	72.7	63.9	65.3	66.8	68.4	69.7	71.3	72.9	74.5
			SC	17.2	29.0	41.6	54.4	17.7	30.8	43.5	55.9	18.3	32.4	46.2	59.4
			PI	9151.6	9495.6	10103.3	10503.3	8862.3	9200.3	9802.0	10196.0	9278.2	9628.2	10235.9	10635.9
	125	61	TC	43.6	44.6	45.6	46.7	45.1	46.1	47.1	48.2	47.1	48.2	49.3	50.4
			SC	40.7	41.8	43.1	44.8	39.1	41.5	44.1	45.2	43.8	45.2	46.7	48.5
			PI	7677.9	7946.9	8290.8	8584.8	7786.4	8055.4	8399.3	8693.3	7925.0	8200.0	8550.0	8850.0
		67	TC	52.5	53.7	54.8	56.1	53.8	55.1	56.3	57.5	55.1	56.4	57.6	58.9
			SC	28.7	39.8	50.2	53.9	30.8	42.9	52.4	55.3	32.8	46.1	55.3	57.3
			PI	7540.5	7834.5	8272.0	8622.0	7636.9	7936.9	8374.5	8724.5	7727.3	8027.3	8470.9	8820.9
		73	TC	63.4	64.8	66.3	67.7	59.7	61.0	62.4	63.7	65.0	66.4	68.0	69.4
			SC	16.7	27.6	39.1	50.9	17.2	29.2	40.9	52.3	17.7	30.7	43.3	55.5
			PI	9768.9	10168.9	10805.6	11205.6	9503.7	9897.7	10528.4	10922.3	9883.4	10283.4	10926.1	11326.1

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h).
3. SC=Sensible Capacity. (Unit:1000Btu/h).
4: PI= Total power input ,unit (W), is including the Comp., Cond. Fan motor and Evap. Fan motor.
5. Different air volume in the above table,need to adjust in the field.

Cooling capacity for 7.5Ton:

Air Flow(CFM)				2800				3050				3250			
Ent(DB)			(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	75.3	77.0	78.6	80.3	80.1	81.8	83.6	85.4	82.1	83.9	85.7	87.6
			SC	65.5	73.2	78.1	78.9	70.2	77.1	81.0	83.9	74.8	77.3	80.7	85.1
			PI	7003.9	7148.9	7404.0	7694.1	7241.2	7386.2	7651.2	7946.3	7340.0	7490.0	7755.0	8055.0
		67	TC	87.6	89.5	91.4	93.4	88.7	90.6	92.6	94.6	89.5	91.4	93.4	95.4
			SC	48.4	61.6	74.6	87.1	50.8	65.4	78.2	89.1	52.3	66.6	81.0	92.9
			PI	7451.1	7626.1	8036.8	8386.8	7505.4	7680.4	8096.2	8446.2	7545.0	7720.0	8135.7	8485.7
		73	TC	91.4	93.4	95.4	97.4	92.0	94.0	96.0	98.0	92.2	94.2	96.2	98.3
			SC	29.6	43.8	54.8	65.2	30.1	43.5	55.1	67.9	30.6	47.6	56.1	68.2
			PI	8485.5	8685.5	9035.5	9430.6	8515.2	8715.2	9065.2	9460.2	8525.1	8725.1	9075.1	9475.1
	95	61	TC	71.4	73.0	74.6	76.2	73.8	75.4	77.1	78.8	76.1	77.8	79.5	81.2
			SC	62.4	68.4	70.8	74.2	65.1	71.4	74.0	78.1	68.0	72.1	76.3	79.5
			PI	7567.1	7747.1	8007.2	8302.2	7685.7	7865.8	8130.8	8430.8	7799.4	7984.4	8249.4	8549.4
		67	TC	78.4	80.1	81.9	83.6	79.9	86.8	89.4	90.8	84.2	89.0	90.9	92.6
			SC	46.7	60.5	74.4	79.0	49.1	64.4	79.3	84.1	51.5	67.8	83.6	84.8
			PI	7488.3	7685.3	7920.8	8270.8	7562.4	7891.2	8291.6	8626.7	7775.0	8000.0	8365.7	8715.7
		73	TC	90.6	92.6	94.6	96.6	91.1	93.1	95.1	97.1	91.5	93.5	95.5	97.5
			SC	28.5	43.0	55.1	67.3	29.0	44.0	56.9	70.1	29.6	44.8	58.4	72.0
			PI	8922.0	9172.0	9647.5	10047.5	8946.8	9196.8	9672.3	10072.3	8966.5	9216.5	9692.0	10092.0
	105	61	TC	64.9	66.3	67.8	69.3	67.2	68.7	70.2	71.8	69.3	70.8	72.4	74.0
			SC	59.2	61.1	64.1	66.0	64.0	65.2	69.1	71.2	68.1	69.3	70.7	73.2
			PI	7741.8	7971.8	8322.6	8617.6	7855.5	8090.5	8441.2	8741.2	7959.3	8194.3	8550.0	8850.0
		67	TC	77.2	78.9	80.6	82.4	79.1	80.8	82.6	84.4	80.6	82.4	84.1	86.0
			SC	43.8	57.8	72.0	79.1	46.5	59.0	77.8	83.1	49.1	66.1	83.4	85.1
			PI	7908.2	8153.3	8509.0	8854.0	8002.1	8247.2	8607.9	8952.9	8076.3	8326.3	8682.0	9032.0
		73	TC	88.1	90.0	92.0	93.9	88.0	89.9	91.8	93.8	89.5	91.4	93.4	95.4
			SC	27.0	41.7	57.0	69.6	26.9	43.2	58.4	71.6	28.2	45.0	60.0	73.7
			PI	9641.4	9921.4	10496.9	10891.9	9636.4	9916.4	10487.0	10887.0	9710.6	9990.6	10566.1	10966.1
	115	61	TC	54.6	55.9	57.2	58.6	56.5	57.8	59.2	60.6	59.1	60.5	61.9	63.4
			SC	50.3	51.7	53.5	55.7	48.3	51.4	54.7	56.2	54.4	56.2	58.1	60.3
			PI	8197.5	8442.6	8667.6	8962.7	8291.5	8536.5	8766.5	9061.6	8420.0	8670.0	8900.0	9200.0
		67	TC	66.0	67.5	69.1	70.7	67.8	69.4	71.0	72.6	69.4	71.0	72.6	74.3
			SC	34.9	49.2	62.5	67.3	37.6	53.1	65.4	69.2	40.2	57.3	69.2	71.7
			PI	8501.2	8771.2	9127.0	9472.0	8590.2	8865.2	9220.9	9566.0	8669.3	8804.3	9300.0	9650.0
		73	TC	80.1	81.9	83.8	85.7	75.3	77.0	78.8	80.6	82.2	84.1	86.0	87.9
			SC	19.5	33.4	48.3	63.5	20.1	35.5	50.6	65.2	20.8	37.5	53.7	69.4
			PI	9611.6	9906.7	10482.1	10882.1	9374.3	9664.4	10235.0	10630.0	9715.4	10015.4	10590.9	10990.9
	118.4	61	TC	53.6	54.9	56.2	57.6	55.5	56.8	58.2	59.6	58.1	59.5	60.9	62.4
			SC	49.3	50.7	52.5	54.7	47.3	50.4	53.7	55.2	53.4	55.2	57.1	59.3
			PI	8527.5	8772.6	9117.6	9412.7	8621.5	8866.5	9216.5	9511.6	8750.0	9000.0	9350.0	9650.0
		67	TC	64.4	65.8	67.3	68.8	66.2	67.7	69.2	70.7	67.8	69.3	70.8	72.4
			SC	33.3	47.5	60.7	65.4	36.0	51.4	63.6	67.3	38.6	55.6	66.9	69.8
			PI	8525.9	8796.0	9159.5	9502.8	8614.9	8889.9	9253.5	9596.8	8694.0	9100.0	9330.8	9680.8
		73	TC	79.1	80.9	82.8	84.7	74.3	76.0	77.8	79.6	81.2	83.1	85.0	86.9
			SC	18.5	32.4	47.3	62.5	19.1	34.5	49.6	64.2	19.8	36.5	52.7	68.4
			PI	10259.4	10604.4	11179.9	11579.9	10022.0	10362.2	10932.7	11327.8	10363.2	10713.2	11288.7	11688.7
	125	61	TC	49.2	50.4	51.6	52.9	51.0	52.2	53.4	54.7	53.3	54.6	55.9	57.3
			SC	45.1	46.4	48.0	50.0	43.2	46.1	49.1	50.5	48.8	50.5	52.2	54.3
			PI	9022.3	9292.4	9637.4	9932.5	9111.3	9381.3	9726.4	10021.5	9225.0	9500.0	9850.0	10150.0
		67	TC	59.7	61.1	62.5	64.0	61.3	62.8	64.2	65.7	62.8	64.3	65.8	67.3
			SC	31.0	44.1	56.3	60.7	33.4	47.7	58.9	62.4	35.8	51.5	62.4	64.7
			PI	8876.6	9171.7	9578.6	9928.6	8955.7	9255.7	9662.6	10012.6	9029.9	9329.9	9741.7	10091.7
		73	TC	72.6	74.3	76.0	77.7	68.2	69.8	71.4	73.0	74.5	76.2	78.0	79.7
			SC	16.8	29.6	43.2	57.2	17.4	31.5	45.4	58.8	18.0	33.3	48.2	62.6
			PI	10967.0	11367.0	11972.5	12372.5	10749.5	11144.5	11745.1	12140.2	11060.9	11460.9	12071.4	12471.4

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h).
3. SC=Sensible Capacity. (Unit:1000Btu/h).
4: PI= Total power input ,unit (W), is including the Comp., Cond. Fan motor and Evap. Fan motor.
5. Different air volume in the above table,need to adjust in the field.

Cooling capacity for 8.5Ton:

Air Flow(CFM)				2900				3150				3400			
Ambient Temperature	Ent(DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	88.4	90.2	92.2	94.2	90.8	92.8	94.8	96.8	93.2	95.1	97.2	99.2
			SC	76.3	77.9	79.6	81.3	81.8	83.6	85.4	87.2	86.9	88.8	90.7	92.6
			PI	8266.8	8413.4	8675.1	8971.7	8364.7	8514.7	8776.3	9076.3	8455.8	8605.8	8870.8	9170.8
		67	TC	99.1	101.2	103.4	105.6	100.1	102.2	104.4	106.6	101.0	103.2	105.4	107.6
			SC	56.0	72.2	86.1	100.3	58.1	74.1	90.0	103.4	60.2	76.7	93.2	105.1
			PI	8691.4	8866.4	9113.7	9463.7	8731.9	8906.9	9154.2	9504.2	8769.0	8944.0	9194.7	9544.7
		73	TC	102.9	105.2	107.4	109.6	103.3	105.5	107.7	110.0	103.5	105.8	108.0	110.3
			SC	34.2	48.9	61.5	75.0	34.7	49.7	62.9	76.2	35.3	55.1	63.9	77.6
			PI	9382.5	9582.5	9932.5	10329.1	9396.0	9596.0	9946.0	10346.0	9406.1	9606.1	9956.1	10356.1
	95	61	TC	81.4	83.2	85.0	86.8	84.1	85.9	87.8	89.6	86.6	88.5	90.4	92.4
			SC	72.8	74.4	75.9	77.6	78.3	80.0	81.8	83.6	83.6	85.4	87.3	89.2
			PI	8608.6	8790.2	9051.8	9345.1	8713.2	8894.8	9159.8	9456.4	8814.4	8999.4	9264.4	9564.4
		67	TC	95.0	97.1	99.2	101.3	98.3	102.2	103.4	104.8	99.4	103.0	103.6	106.7
			SC	54.0	70.3	86.4	99.1	57.0	74.6	91.0	99.8	59.6	78.8	96.4	103.4
			PI	8802.9	8967.2	9225.2	9538.1	8931.1	9166.3	9393.9	9676.5	8975.0	9200.0	9400.7	9750.7
		73	TC	102.0	104.1	106.4	108.7	102.2	104.4	106.6	108.9	102.8	105.1	107.3	109.5
			SC	33.0	49.4	63.2	77.1	33.8	50.5	65.6	80.6	34.0	51.2	66.8	83.0
			PI	9940.6	10187.2	10498.1	10901.5	9950.7	10197.3	10508.2	10911.6	9974.3	10224.3	10535.2	10935.2
	105	61	TC	74.3	75.9	77.6	79.3	77.1	78.8	80.6	82.3	78.8	80.6	82.3	84.1
			SC	69.2	70.8	72.3	73.9	74.9	76.5	78.2	79.9	73.4	75.0	76.6	78.2
			PI	8945.5	9177.1	9364.4	9661.1	9056.8	9291.8	9482.5	9779.1	9124.3	9359.3	9550.0	9850.0
		67	TC	87.8	89.7	91.7	93.7	90.1	92.0	94.0	96.0	91.5	93.5	95.5	97.5
			SC	51.2	67.4	84.1	92.4	54.4	72.2	90.8	94.4	56.9	77.6	92.3	94.1
			PI	9179.4	9426.1	9616.7	9963.4	9267.2	9517.2	9707.8	10054.5	9324.5	9574.5	9765.2	10115.2
		73	TC	99.4	101.6	103.7	105.9	100.1	102.2	104.4	106.6	100.6	102.8	105.0	107.2
			SC	31.3	47.5	62.7	77.6	32.0	49.5	66.4	82.2	32.5	51.2	67.8	84.8
			PI	10555.3	10835.3	11242.9	11642.9	10582.3	10862.3	11269.9	11669.9	10602.6	10882.6	11293.5	11693.5
	115	61	TC	63.4	64.8	66.4	67.9	65.8	67.4	68.9	70.6	68.5	70.0	71.7	73.3
			SC	59.8	61.3	62.7	64.3	61.2	62.6	64.2	65.7	64.6	66.2	67.7	69.3
			PI	9217.6	9464.2	9690.8	9987.4	9315.4	9565.4	9792.0	10092.0	9420.0	9670.0	9900.0	10200.0
		67	TC	76.2	77.9	79.7	81.5	77.8	81.1	81.2	83.2	79.9	81.5	83.6	85.5
			SC	41.7	58.6	74.8	76.5	45.0	62.9	77.6	79.4	48.0	68.0	79.3	82.0
			PI	9689.2	9960.9	10148.2	10494.8	9753.3	10085.7	10215.6	10562.3	9834.3	10100.3	10300.0	10650.0
		73	TC	91.6	93.6	95.7	97.8	92.3	94.4	96.5	98.7	92.9	95.0	97.1	99.3
			SC	23.5	39.8	56.0	71.9	24.1	42.2	59.6	76.5	24.8	44.6	62.6	81.0
			PI	10669.9	10969.9	11377.4	11777.4	10700.2	11000.2	11411.2	11811.2	10723.8	11023.8	11434.8	11834.8
	118.4	61	TC	61.3	62.7	64.3	65.8	63.7	65.3	66.8	68.5	66.4	67.9	69.6	71.2
			SC	57.7	59.2	60.6	62.2	59.1	60.5	62.1	63.6	62.5	64.1	65.6	67.2
			PI	9547.6	9794.2	10140.8	10437.4	9645.4	9895.4	10242.0	10542.0	9750.0	10000.0	10350.0	10650.0
		67	TC	73.9	75.6	77.4	79.2	75.5	78.8	79.1	80.9	77.6	79.4	81.3	83.2
			SC	41.5	58.4	74.6	76.3	44.8	62.7	77.4	79.2	47.8	67.8	79.0	81.8
			PI	9979.9	10251.5	11120.0	11465.8	10044.0	10376.4	11187.5	11533.3	10125.0	10400.0	11271.0	11621.0
		73	TC	89.5	91.5	93.6	95.7	90.2	92.3	94.4	96.6	90.8	92.9	95.0	97.2
			SC	21.4	37.7	53.9	69.8	22.0	40.1	57.5	74.4	22.7	42.5	60.5	78.9
			PI	11231.2	11581.2	11988.8	12388.8	11261.6	11611.6	12022.5	12422.5	11285.2	11635.2	12046.1	12446.1
	125	61	TC	56.7	58.0	59.3	60.8	58.9	60.3	61.7	63.2	61.3	62.8	64.6	65.7
			SC	53.2	54.5	55.9	57.2	54.5	55.8	57.2	58.6	57.6	59.0	60.4	61.9
			PI	10042.8	10311.1	10640.8	10957.7	10130.5	10402.2	10735.3	11052.2	10225.0	10500.0	10850.0	11150.0
		67	TC	68.3	69.9	71.5	73.1	69.8	73.3	73.6	74.8	71.7	73.5	75.0	76.7
			SC	36.8	52.1	66.8	68.5	39.8	56.0	69.3	71.0	42.5	60.6	70.9	73.4
			PI	10013.5	10303.3	11227.7	11574.3	10070.8	10438.3	11308.7	11638.4	10145.0	10445.0	11366.0	11716.0
		73	TC	82.3	84.1	86.0	88.0	83.0	84.9	86.8	88.7	83.5	85.4	87.4	89.2
			SC	20.2	35.0	49.7	64.2	20.7	37.3	53.0	68.4	21.3	39.3	55.8	72.5
			PI	11849.3	12245.9	12688.5	13091.8	11876.3	12276.3	12718.8	13122.2	11896.5	12296.5	12742.5	13142.5

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h).
3. SC=Sensible Capacity. (Unit:1000Btu/h).
4: PI= Total power input ,unit (W), is including the Comp., Cond. Fan motor and Evap. Fan motor.
5. Different air volume in the above table,need to adjust in the field.

Cooling capacity for 10Ton:

Air Flow(CFM)				2800				3200				30			
Ambient Temperature	Ent(DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	100.9	103.1	105.4	107.7	103.9	106.1	108.4	110.7	106.8	109.1	111.4	113.8
			SC	86.8	88.7	90.7	92.7	89.8	91.7	93.7	95.7	96.2	98.3	100.4	102.5
			PI	9935.5	10246.9	10603.9	11118.3	10194.4	10505.7	10862.8	11377.2	10444.6	10764.6	11121.6	11644.6
		67	TC	113.4	115.9	118.4	121.0	116.4	118.9	121.4	124.0	117.6	120.1	122.6	125.2
			SC	63.2	82.0	98.3	114.8	66.2	85.0	101.3	117.8	68.6	87.3	105.8	121.5
			PI	11016.3	11351.3	11725.6	12258.6	11275.2	11610.2	11984.5	12517.5	11378.7	11713.7	12088.0	12621.0
		73	TC	117.9	120.5	123.1	125.7	120.9	123.5	126.1	128.7	121.3	123.9	126.5	129.2
			SC	37.7	54.9	69.6	85.3	40.7	57.9	72.6	88.3	41.3	58.8	74.2	89.7
			PI	11398.2	11748.2	12131.2	12672.5	11657.1	12007.1	12390.0	12931.4	11691.6	12041.6	12424.5	12974.5
	95	61	TC	92.8	94.9	97.0	99.1	95.8	97.9	100.0	102.1	98.9	101.0	103.2	105.4
			SC	82.7	84.6	86.4	88.4	85.7	87.6	89.4	91.4	92.2	94.2	96.2	98.3
			PI	9314.3	9634.3	10060.3	10574.7	9573.1	9893.1	10319.2	10833.6	9840.6	10160.6	10595.3	11118.3
		67	TC	108.7	111.1	113.5	116.0	111.7	114.1	116.5	119.0	115.5	120.0	121.5	123.1
			SC	60.8	79.8	98.6	113.4	63.8	82.8	101.6	116.4	67.3	87.8	107.0	117.3
			PI	9978.3	10132.1	10584.0	11194.7	10237.1	10390.9	10842.9	11453.5	10565.0	10900.0	11274.3	11807.3
		73	TC	116.8	119.3	121.9	124.6	119.8	122.3	124.9	127.6	120.1	122.6	125.2	127.9
			SC	36.3	55.4	71.5	87.8	39.3	58.4	74.5	90.8	40.2	59.7	77.3	94.9
			PI	10489.6	10839.6	11308.8	11858.8	10748.5	11098.5	11567.7	12117.7	10774.3	11124.3	11593.6	12143.6
	105	61	TC	84.5	86.4	88.3	90.3	87.5	89.4	91.3	93.3	90.8	92.8	94.8	96.8
			SC	78.6	80.4	82.2	84.0	81.6	83.4	85.2	87.0	88.2	90.1	92.0	94.0
			PI	9725.8	10037.2	10377.0	10900.0	9984.6	10296.0	10635.8	11158.8	10269.4	10589.4	10937.8	11460.8
		67	TC	100.3	102.5	104.8	107.1	103.3	105.5	107.8	110.1	105.9	108.2	110.5	112.8
			SC	57.6	76.4	95.9	105.6	60.6	79.4	98.9	108.6	64.3	85.1	106.7	110.9
			PI	11100.0	11426.3	11800.6	12333.6	11358.8	11685.2	12059.5	12592.5	11583.2	11918.2	12292.5	12825.5
		73	TC	113.8	116.3	118.8	121.4	116.8	119.3	121.8	124.4	117.6	120.1	122.6	125.2
			SC	34.3	53.2	71.0	88.3	37.3	56.2	74.0	91.3	38.2	58.6	78.3	96.7
			PI	12267.1	12617.1	13008.6	13558.6	12525.9	12875.9	13267.5	13817.5	12594.9	12944.9	13336.5	13886.5
	115	61	TC	76.3	78.0	79.8	81.6	79.3	81.0	82.8	84.6	82.2	84.0	85.8	87.7
			SC	74.6	76.3	78.0	79.8	77.6	79.3	81.0	82.8	79.2	80.9	82.7	84.5
			PI	10416.1	10727.4	11222.5	11736.9	10674.9	10986.3	11481.4	11995.8	10925.1	11245.1	11740.2	12263.2
		67	TC	91.3	93.3	95.4	97.5	94.3	96.3	98.4	100.5	96.2	100.0	100.4	102.5
			SC	53.5	73.2	92.1	94.1	56.5	76.2	95.1	97.1	60.3	81.2	98.3	100.4
			PI	11867.9	12047.6	12568.6	13101.6	12126.7	12306.4	12827.4	13360.4	12290.7	12600.7	13000.0	13533.0
		73	TC	109.2	111.6	114.0	116.5	112.2	114.6	117.0	119.5	113.1	115.5	118.0	120.5
			SC	32.2	51.3	70.1	88.7	35.2	54.3	73.1	91.7	35.9	57.1	77.3	97.1
			PI	13276.6	13626.6	14173.5	14723.5	13535.4	13885.4	14432.3	14982.3	13613.1	13963.1	14518.6	15068.6
	118.4	61	TC	74.1	75.8	77.6	79.4	77.1	78.8	80.6	82.4	80.0	81.8	83.6	85.5
			SC	72.4	74.1	75.8	77.6	75.4	77.1	78.8	80.6	77.0	78.7	80.5	82.3
			PI	10536.9	10848.2	11344.1	11858.5	10795.7	11107.1	11603.0	12117.3	11045.9	11365.9	11861.8	12384.8
		67	TC	89.5	91.5	93.6	95.7	92.5	94.5	96.6	98.7	94.4	98.2	98.6	100.7
			SC	51.7	71.4	90.3	92.3	54.7	74.4	93.3	95.3	58.5	79.4	93.7	98.6
			PI	12023.2	12202.9	12724.7	13256.9	12282.1	12461.7	12983.5	13515.7	12446.0	12811.0	13155.3	13688.3
		73	TC	107.0	109.4	111.8	114.3	110.0	112.4	114.8	117.3	110.9	113.3	115.8	118.3
			SC	30.0	49.1	67.9	86.5	33.0	52.1	70.9	89.5	33.7	54.9	75.1	94.9
			PI	13397.4	13747.4	14295.0	14845.0	13656.2	14006.2	14553.9	15103.9	13733.9	14083.9	14640.2	15190.2
	125	61	TC	68.5	70.0	71.6	73.3	71.5	73.0	74.6	76.3	74.1	75.7	77.4	79.1
			SC	66.9	68.4	70.0	71.6	69.9	71.4	73.0	74.6	71.4	72.9	74.5	76.2
			PI	11442.8	11754.2	12240.7	12763.7	11701.7	12013.1	12499.6	13022.6	11926.0	12246.0	12741.1	13264.1
		67	TC	82.1	83.9	85.8	87.7	85.1	86.9	88.8	90.7	86.8	90.9	91.2	92.6
			SC	47.7	65.6	82.8	84.7	50.7	68.6	85.8	87.7	54.2	73.2	88.7	90.6
			PI	12817.0	12953.6	13465.9	14042.1	13075.9	13212.4	13724.8	14300.9	13222.6	13557.6	13931.9	14464.9
		73	TC	98.4	100.5	102.7	105.0	101.4	103.5	105.7	108.0	102.2	104.4	106.6	108.9
			SC	28.4	45.7	62.8	79.7	31.4	48.7	65.8	82.7	32.0	51.3	69.6	87.6
			PI	14044.5	14385.9	14924.1	15474.1	14303.4	14644.7	15183.0	15733.0	14372.4	14722.4	15260.7	15810.7

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h).
3. SC=Sensible Capacity. (Unit:1000Btu/h).
4: PI= Total power input ,unit (W), is including the Comp., Cond. Fan motor and Evap. Fan motor.
5. Different air volume in the above table,need to adjust in the field.

Cooling capacity for 12.5Ton:

Air Flow(CFM)				4000				4500				5000			
Ambient Temperature	Ent(DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	129.5	132.1	134.9	137.6	133.0	135.7	138.5	141.4	136.2	139.0	141.8	144.7
			SC	112.6	114.8	117.2	119.6	120.2	122.8	125.3	127.8	127.4	130.1	132.7	135.5
			PI	11578.7	11887.4	12337.9	12849.6	11907.8	12227.8	12678.4	13201.4	12214.2	12534.2	12996.1	13519.1
		67	TC	144.5	147.5	150.5	153.6	145.9	148.9	151.9	155.0	147.2	150.2	153.4	156.5
			SC	84.2	106.8	126.4	146.2	87.1	109.6	131.8	150.6	90.0	113.2	136.2	152.9
			PI	13004.9	13339.9	13813.1	14346.1	13141.1	13476.1	13949.3	14482.3	13265.9	13600.9	14085.5	14618.5
		73	TC	149.9	153.0	156.1	159.2	150.4	153.5	156.6	159.8	150.7	153.8	157.0	160.2
			SC	53.6	74.3	91.9	110.8	54.4	75.4	93.8	112.4	55.2	82.9	95.3	114.5
			PI	13511.9	13861.9	14346.5	14885.1	13557.3	13907.3	14391.9	14941.9	13591.3	13941.3	14425.9	14975.9
	95	61	TC	119.8	122.3	124.8	127.3	123.5	126.0	128.6	131.3	127.1	129.7	132.4	135.1
			SC	107.6	109.9	112.1	114.5	115.4	117.8	120.2	122.8	122.9	125.4	128.0	130.7
			PI	11670.0	11978.7	12622.1	13122.4	12021.8	12330.5	12985.3	13496.9	12362.2	12682.2	13337.0	13860.0
		67	TC	138.8	141.7	144.6	147.6	143.4	148.8	150.6	152.5	145.0	150.0	150.8	155.2
			SC	81.4	104.2	126.7	144.5	85.6	110.2	133.2	145.6	89.3	115.6	140.8	150.5
			PI	12886.3	13017.0	13694.5	14102.7	13317.5	13686.5	14261.9	14567.9	13465.0	13800.0	14284.6	14817.6
		73	TC	148.6	151.6	154.7	157.9	148.9	151.9	155.0	158.3	149.8	152.9	156.0	159.1
			SC	52.0	74.9	94.2	113.8	53.0	76.4	97.6	118.7	53.4	77.5	99.4	122.0
			PI	13608.9	13947.5	14647.7	15209.1	13642.9	13981.6	14681.8	15243.1	13722.3	14072.3	14772.5	15322.5
	105	61	TC	109.8	112.1	114.4	116.8	113.8	116.2	118.6	121.0	116.2	118.6	121.0	123.5
			SC	102.7	104.9	107.0	109.2	110.6	112.9	115.2	117.6	108.5	110.8	113.0	115.3
			PI	12422.8	12731.4	13170.6	13682.3	12797.2	13117.2	13567.8	14079.4	13024.2	13344.2	13794.7	14317.7
		67	TC	128.8	131.4	134.2	136.9	131.9	134.6	137.4	140.2	133.9	136.7	139.4	142.3
			SC	77.5	100.1	123.5	135.1	82.0	106.9	132.8	137.9	85.4	114.4	135.0	137.5
			PI	14234.8	14558.4	15043.0	15564.6	14529.8	14864.8	15349.4	15871.0	14722.7	15057.7	15542.3	16075.3
		73	TC	145.0	148.0	151.0	154.1	145.9	148.9	151.9	155.0	146.6	149.6	152.8	155.9
			SC	49.6	72.2	93.6	114.4	50.6	75.1	98.8	120.8	51.2	77.4	100.7	124.6
			PI	15774.4	16124.4	16631.7	17181.7	15865.2	16215.2	16722.5	17272.5	15933.3	16283.3	16801.9	17351.9
	115	61	TC	98.4	100.4	102.6	104.7	101.8	104.0	106.2	108.4	105.6	107.7	110.0	112.3
			SC	96.3	98.4	100.4	102.6	98.2	100.3	102.4	104.6	103.0	105.2	107.4	109.6
			PI	13771.3	14079.9	14519.1	15030.8	14100.3	14420.3	14859.5	15382.5	14452.1	14772.1	15222.7	15745.7
		67	TC	116.4	118.8	121.3	123.8	118.6	123.2	123.7	126.2	121.5	125.0	127.7	130.3
			SC	71.0	94.6	117.3	119.7	75.6	100.6	121.2	123.7	79.8	107.7	123.6	127.4
			PI	15492.5	15816.1	16289.4	16811.0	15708.1	16236.0	16516.3	17038.0	15980.4	16000.4	16800.0	17333.0
		73	TC	137.8	140.7	143.6	146.6	138.9	141.8	144.8	147.8	139.8	142.6	145.6	148.6
			SC	45.4	68.4	90.9	113.2	46.3	71.7	96.0	119.7	47.2	75.0	100.3	126.0
			PI	17542.7	17892.7	18400.0	18950.0	17644.9	17994.9	18513.5	19063.5	17724.3	18074.3	18592.9	19142.9
	118.4	61	TC	94.9	96.9	99.1	101.2	98.3	100.5	102.7	104.9	102.1	104.2	106.5	108.8
			SC	92.8	94.9	96.9	99.1	94.7	96.8	98.9	101.1	99.5	101.7	103.9	106.1
			PI	13832.0	14140.6	14617.8	15129.5	14161.1	14481.1	14958.3	15481.3	14512.8	14832.8	15321.4	15844.4
		67	TC	115.5	117.9	120.4	122.9	117.7	122.3	122.8	125.3	120.6	123.8	125.8	128.4
			SC	70.1	93.7	116.4	118.8	74.7	99.7	120.3	122.8	78.9	106.8	118.3	126.5
			PI	15517.0	15840.7	16351.9	16871.4	15732.7	16260.6	16578.9	17098.4	16005.0	16200.0	16860.4	17393.4
		73	TC	134.3	137.2	140.1	143.1	135.4	138.3	141.3	144.3	136.3	139.1	142.1	145.1
			SC	41.9	64.9	87.4	109.7	42.8	68.2	92.5	116.2	43.7	71.5	96.8	122.5
			PI	17321.5	17671.5	18216.8	18766.8	17423.6	17773.6	18330.2	18880.2	17503.0	17853.0	18409.7	18959.7
	125	61	TC	89.0	90.8	92.7	94.8	92.1	94.0	96.1	98.1	95.5	97.5	100.2	101.6
			SC	87.1	88.9	90.8	92.7	88.9	90.7	92.6	94.6	93.2	95.1	97.2	99.2
			PI	15076.2	15373.6	15871.3	16451.0	15371.3	15679.9	16189.0	16768.7	15689.0	16009.0	16574.8	17097.8
		67	TC	105.3	107.5	109.8	112.0	107.4	112.3	112.6	114.3	110.0	112.5	114.7	117.1
			SC	64.0	85.5	106.2	108.4	68.2	91.0	109.6	111.9	72.1	97.4	111.8	115.4
			PI	16649.9	16950.9	17482.6	18004.3	16842.8	17404.8	17755.0	18219.9	17092.5	17427.5	17947.9	18480.9
		73	TC	124.9	127.4	130.0	132.8	125.8	128.5	131.1	133.9	126.6	129.2	132.0	134.6
			SC	40.9	61.6	82.2	102.4	41.6	64.8	86.7	108.3	42.4	67.6	90.7	114.1
			PI	18496.0	18834.6	19400.4	19961.8	18586.7	18936.7	19502.5	20063.9	18654.8	19004.8	19582.0	20132.0

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h).
3. SC=Sensible Capacity. (Unit:1000Btu/h).
4: PI= Total power input ,unit (W), is including the Comp., Cond. Fan motor and Evap. Fan motor.
5. Different air volume in the above table,need to adjust in the field.

Cooling capacity for 15Ton:

Air Flow(CFM)				5000				5500				6000			
Ent(DB)			(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	157.1	159.1	166.4	176.2	161.5	165.1	172.5	182.2	163.4	167.7	178.6	187.1
			SC	125.0	149.3	159.5	168.8	132.2	159.1	167.1	176.5	139.6	160.7	171.2	179.4
			PI	15740.7	16020.7	16701.0	16924.0	15890.7	16170.7	16851.0	17074.0	16190.7	16470.7	17151.0	17374.0
		67	TC	176.8	179.0	181.1	183.7	182.2	183.5	184.6	185.9	184.5	186.0	187.1	188.6
			SC	98.2	121.3	143.3	166.4	102.8	126.2	150.6	173.7	104.7	159.9	165.5	181.1
			PI	16087.2	16367.2	16997.5	17220.5	16237.2	16517.2	17147.5	17370.5	16537.2	16817.2	17447.5	17670.5
		73	TC	187.1	190.8	193.3	195.7	189.3	192.0	195.7	198.0	191.8	194.5	196.8	199.3
			SC	65.7	90.3	110.5	129.9	67.1	92.5	113.1	132.1	68.4	93.4	115.1	137.2
			PI	16587.2	16867.2	17497.5	17720.5	16737.2	17017.2	17647.5	17870.5	17037.2	17317.2	17947.5	18170.5
	95	61	TC	146.9	150.6	158.0	168.9	148.8	155.5	165.2	174.9	154.3	158.0	170.1	179.8
			SC	118.8	143.3	153.0	163.6	126.2	150.6	160.1	169.5	133.6	153.0	164.8	174.3
			PI	16597.1	16847.1	17377.4	17900.4	16747.1	16997.1	17527.4	18050.4	17047.1	17297.1	17827.4	18350.4
		67	TC	165.2	167.7	170.1	173.7	172.5	173.5	176.2	177.4	178.6	180.8	181.2	182.2
			SC	93.4	116.5	139.6	162.7	97.6	122.5	147.0	172.5	121.6	157.3	164.3	179.8
			PI	16970.0	17250.0	17542.7	18065.7	17120.0	17400.0	17692.7	18215.7	17420.0	17700.0	17992.7	18515.7
		73	TC	182.3	184.6	187.0	189.6	183.7	185.7	188.7	192.0	185.4	187.8	190.3	191.5
			SC	62.5	86.6	108.3	128.7	64.0	89.8	111.3	133.6	65.3	91.4	114.2	137.2
			PI	17470.0	17750.0	18042.7	18565.7	17620.0	17900.0	18192.7	18715.7	17920.0	18200.0	18492.7	19015.7
	105	61	TC	136.2	139.9	147.3	159.6	141.1	144.8	157.1	164.5	143.6	149.7	163.2	172.1
			SC	113.1	134.0	141.1	152.9	121.4	138.7	150.5	157.6	128.8	145.0	158.1	166.7
			PI	17309.9	17539.9	17770.2	18493.2	17459.9	17689.9	17920.2	18643.2	17759.9	17989.9	18220.2	18943.2
		67	TC	157.1	159.6	163.2	164.5	158.3	162.0	166.9	169.4	166.9	169.4	171.9	174.3
			SC	88.1	111.6	134.8	159.2	102.5	117.7	143.3	164.1	96.1	123.8	150.6	168.9
			PI	17713.2	17843.2	18335.9	19058.9	17863.2	17993.2	18485.9	19208.9	18163.2	18293.2	18785.9	19508.9
		73	TC	179.2	180.5	181.7	182.9	181.7	182.9	184.2	186.6	184.2	185.4	186.6	187.8
			SC	59.1	82.7	105.2	126.3	60.5	85.8	109.0	132.4	61.8	88.8	112.1	135.9
			PI	18213.2	18343.2	18835.9	19558.9	18363.2	18493.2	18985.9	19708.9	18663.2	18793.2	19285.9	20008.9
	115	61	TC	112.5	117.4	129.7	142.0	116.2	123.6	135.9	148.2	119.9	122.5	133.0	154.3
			SC	93.0	109.7	121.7	133.6	100.1	114.3	126.1	137.9	106.4	114.7	124.9	145.5
			PI	17137.7	17622.7	18108.0	19086.0	17287.7	17772.7	18258.0	19236.0	17587.7	18072.7	18558.0	19536.0
		67	TC	135.9	138.3	139.5	143.0	137.1	140.8	143.2	145.7	145.7	148.2	151.8	156.1
			SC	76.9	91.9	115.0	138.4	81.8	98.4	123.6	142.1	95.2	112.5	138.3	155.8
			PI	18327.3	18457.3	19150.0	19900.0	18477.3	18607.3	19300.0	20050.0	18777.3	18900.0	19600.0	20350.0
		73	TC	155.5	158.0	160.5	161.7	160.5	162.9	164.1	165.4	164.1	165.4	166.6	167.8
			SC	40.6	64.1	87.4	110.1	42.0	68.3	91.7	115.0	44.9	70.8	96.6	122.4
			PI	18827.3	18957.3	19650.0	20400.0	18977.3	19107.3	19800.0	20550.0	19277.3	19407.3	20100.0	20850.0
	118.4	61	TC	109.5	114.4	126.7	139.0	113.2	120.6	132.9	145.2	116.9	119.5	130.0	151.3
			SC	90.0	106.7	118.7	130.6	97.1	111.3	123.1	134.9	103.4	111.7	121.9	142.5
			PI	16965.5	17705.5	18445.9	19678.9	17115.5	17855.5	18595.9	19828.9	17415.5	18155.5	18895.9	20128.9
		67	TC	135.4	137.7	138.8	142.2	136.6	140.2	142.5	144.9	145.2	145.7	151.1	155.3
			SC	76.4	91.3	114.3	137.6	81.3	97.8	122.9	141.3	94.7	111.8	133.3	155.0
			PI	18348.0	18478.0	19345.7	20125.7	18498.0	18628.0	19495.7	20275.7	18798.0	19208.0	19795.7	20575.7
		73	TC	152.5	155.0	157.5	158.7	157.5	159.9	161.1	162.4	161.1	162.4	163.6	164.8
			SC	37.6	61.1	84.4	107.1	39.0	65.3	88.7	112.0	41.9	67.8	93.6	119.4
			PI	18848.0	18978.0	19845.7	20625.7	18998.0	19128.0	19995.7	20775.7	19298.0	19428.0	20295.7	21075.7
	125	61	TC	107.5	112.2	124.0	134.2	111.0	118.1	129.9	141.8	114.6	122.8	135.9	147.7
			SC	88.6	104.7	116.2	126.0	95.5	110.4	121.9	133.4	101.5	115.0	127.6	139.1
			PI	16793.4	17788.4	18783.7	20271.7	16943.4	17938.4	18933.7	20421.7	17243.4	18238.4	19233.7	20721.7
		67	TC	129.9	132.3	133.5	135.9	131.1	134.7	137.0	139.4	139.4	141.8	145.3	149.2
			SC	73.1	87.5	109.8	132.3	77.8	93.8	118.1	131.1	82.6	99.1	124.0	140.6
			PI	18692.9	18822.9	19790.3	20590.3	18842.9	18972.9	19940.3	20740.3	19142.9	19300.9	20240.3	21040.3
		73	TC	148.9	151.2	153.6	154.8	153.6	156.0	157.1	158.3	157.1	158.3	159.5	160.7
			SC	38.2	60.8	83.2	105.0	39.5	64.8	87.3	109.8	42.4	67.2	92.0	116.9
			PI	19192.9	19322.9	20290.3	21090.3	19342.9	19472.9	20440.3	21240.3	19642.9	19772.9	20740.3	21540.3

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h).
3. SC=Sensible Capacity. (Unit:1000Btu/h).
4: PI= Total power input ,unit (W), is including the Comp., Cond. Fan motor and Evap. Fan motor.
5. Different air volume in the above table,need to adjust in the field.

Cooling capacity for 17.5Ton:

Air Flow(CFM)				5500				6000				6600			
Ambient Temperature	Ent(DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	181.1	183.4	191.8	203.0	186.2	188.5	196.9	208.1	191.2	195.4	203.9	215.0
			SC	144.3	172.2	183.8	194.5	149.4	177.3	188.9	199.6	157.6	188.5	197.7	208.4
			PI	14323.2	14582.7	16749.8	17035.3	15213.7	15476.2	17235.1	17520.6	16214.2	16479.7	17760.9	18046.3
		67	TC	203.7	206.2	208.6	211.6	208.8	211.3	213.7	216.7	215.0	216.5	217.7	219.2
			SC	113.6	140.0	165.3	191.8	118.7	145.1	170.4	196.9	123.9	150.8	178.7	205.2
			PI	16597.4	16856.9	19024.0	19309.4	17487.9	17750.4	19509.3	19794.7	18488.4	18753.9	19985.0	20270.5
		73	TC	215.5	219.7	222.6	225.4	220.6	224.8	227.7	230.5	223.1	226.2	230.5	233.1
			SC	76.3	104.5	127.7	149.9	81.4	109.6	132.8	155.0	83.0	112.1	135.7	157.5
			PI	17714.5	17974.0	19891.1	20226.6	18555.0	18817.5	20376.4	20661.9	19505.5	19771.0	20952.2	21237.6
	95	61	TC	169.4	173.6	182.1	194.6	174.5	178.7	187.2	199.7	176.7	184.4	195.5	206.6
			SC	137.2	165.3	176.4	188.5	142.3	170.4	181.5	193.6	150.8	178.7	189.6	200.4
			PI	16069.3	16328.8	18246.0	18581.4	16909.8	17172.3	18731.3	19016.7	17860.3	18125.8	19257.0	19542.5
		67	TC	190.4	193.2	196.0	200.1	195.5	198.3	201.1	205.2	203.9	208.3	210.7	211.8
			SC	108.1	134.5	161.0	187.5	113.2	139.6	166.1	192.6	118.0	149.8	177.2	204.9
			PI	18343.5	18603.0	20520.1	20855.6	19184.0	19446.5	21005.4	21290.9	20134.5	20400.0	21481.2	21766.6
		73	TC	210.0	212.6	215.4	218.4	215.1	217.7	220.5	223.5	216.7	219.0	222.4	226.2
			SC	72.6	100.3	125.1	148.5	77.7	105.4	130.2	153.6	79.4	109.0	133.7	159.2
			PI	19460.6	19720.1	21437.3	21822.7	20251.1	20513.6	21922.5	22208.0	21151.6	21417.1	22448.3	22733.8
	105	61	TC	157.1	161.4	169.9	184.0	162.2	166.5	175.0	189.1	167.8	172.1	186.2	194.7
			SC	130.6	154.6	162.7	176.3	135.7	159.7	167.8	181.4	145.3	165.1	178.6	186.8
			PI	17815.5	18075.0	19792.1	20177.6	18606.0	18868.5	20277.4	20562.9	19506.5	19772.0	20753.2	21038.6
		67	TC	181.1	184.0	188.1	189.6	186.2	189.1	193.2	194.7	187.6	191.8	197.4	200.3
			SC	102.0	128.9	155.5	183.5	107.1	134.0	160.6	188.6	123.6	141.0	170.4	194.2
			PI	20089.6	20349.1	22016.3	22401.7	20880.1	21142.6	22501.6	22787.0	21780.6	22046.1	22977.3	23262.8
		73	TC	206.4	207.9	209.3	210.7	211.5	213.0	214.4	215.8	214.4	215.8	217.3	220.0
			SC	68.7	95.8	121.6	145.8	73.8	100.9	126.7	150.9	75.4	104.4	131.0	157.9
			PI	22470.0	22729.5	24268.7	24704.2	23210.5	23473.0	24754.0	25039.5	24061.0	24326.5	25207.7	25493.2
	115	61	TC	143.0	148.6	162.7	176.9	148.1	153.7	167.8	182.0	152.4	160.9	175.0	189.1
			SC	124.8	143.9	157.7	171.3	129.9	149.0	162.8	176.4	138.0	154.3	167.8	181.4
			PI	19228.8	19488.3	21027.5	21463.0	19969.3	20231.8	21512.8	21798.2	20819.8	21085.3	21916.5	22201.9
		67	TC	168.3	171.0	172.4	175.3	173.4	176.1	177.5	180.4	174.8	179.0	181.8	184.6
			SC	106.3	123.5	150.0	176.9	111.4	128.6	155.1	182.0	117.1	136.1	165.0	186.2
			PI	20543.5	20803.0	22292.2	22727.7	21284.0	21546.5	22777.5	23063.0	22134.5	22400.0	23181.2	23466.7
		73	TC	192.3	195.2	198.1	199.4	197.4	200.3	203.2	204.5	203.2	205.9	207.3	208.8
			SC	64.7	91.7	118.4	144.4	69.8	96.8	123.5	149.5	71.4	101.6	128.4	155.1
			PI	22798.0	23057.5	24496.7	24982.1	23488.5	23751.0	24982.0	25267.4	24289.0	24554.5	25435.7	25721.1
	118.4	61	TC	137.2	142.8	156.9	171.1	142.3	147.9	162.0	176.2	146.6	155.1	169.2	183.3
			SC	119.0	138.1	151.9	165.5	124.1	143.2	157.0	170.6	132.2	148.5	162.0	175.6
			PI	19347.7	19607.2	21046.4	21531.8	20038.2	20300.7	21531.6	21817.1	20838.7	21104.2	21935.4	22220.8
		67	TC	166.8	169.5	170.9	173.8	171.9	174.6	176.0	178.9	173.2	177.5	180.2	183.1
			SC	103.2	120.4	146.9	173.8	108.3	125.5	152.0	178.9	114.0	133.0	163.6	173.1
			PI	21043.5	21303.0	22742.2	23227.6	21734.0	21996.5	23227.5	23512.9	22534.5	22800.0	23581.2	23866.6
		73	TC	186.5	189.4	192.3	193.6	191.6	194.5	197.4	198.7	197.4	200.1	201.5	203.0
			SC	58.9	85.9	112.6	138.6	64.0	91.0	117.7	143.7	65.6	95.8	122.6	149.3
			PI	23611.0	23995.1	25334.3	25869.8	24251.5	24638.6	25819.6	26105.1	25002.0	25392.1	26273.3	26558.8
	125	61	TC	137.3	142.7	156.2	167.9	142.4	147.8	161.3	173.0	146.4	154.5	168.1	181.7
			SC	119.7	138.2	151.4	162.6	124.8	143.3	156.5	167.7	132.8	149.8	163.0	176.2
			PI	20731.7	21115.8	22455.0	22990.4	21372.2	21759.3	22940.3	23225.7	22122.7	22512.8	23344.0	23629.4
		67	TC	163.0	165.7	167.1	169.9	168.1	170.8	172.2	175.0	169.5	173.6	176.2	179.0
			SC	93.9	118.5	144.1	169.9	99.0	123.6	149.2	175.0	112.1	130.8	158.7	173.6
			PI	21389.4	21773.6	23162.8	23698.2	22029.9	22417.1	23648.1	23933.5	22780.4	23170.6	23951.8	24237.2
		73	TC	184.8	187.4	190.2	191.5	189.9	192.5	195.3	196.6	195.3	198.0	199.3	200.6
			SC	62.0	87.9	113.6	138.6	67.1	93.0	118.7	143.7	68.5	97.6	123.4	149.2
			PI	23840.6	24224.7	25463.9	25999.4	24481.1	24868.2	25949.2	26234.7	25231.6	25621.7	26402.9	26688.4

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h).
3. SC=Sensible Capacity. (Unit:1000Btu/h).
4: PI= Total power input ,unit (W), is including the Comp., Cond. Fan motor and Evap. Fan motor.
5. Different air volume in the above table,need to adjust in the field.

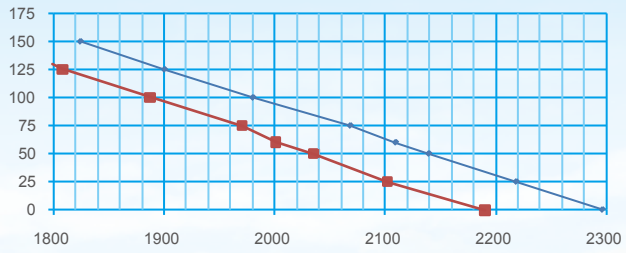
Cooling capacity for 20Ton:

Air Flow(CFM)				7050				8050				9050			
Ambient Temperature	Ent(DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	209.7	212.3	222.1	234.9	215.6	220.3	230.0	242.9	218.0	223.7	238.2	249.4
			SC	167.3	199.5	215.2	227.7	176.9	212.3	222.9	235.4	186.7	216.8	230.8	241.7
			PI	21021.1	21090.2	21645.5	21661.2	21341.2	21381.3	21661.6	21749.3	21168.0	21645.5	21734.6	21822.9
		67	TC	235.7	238.7	241.4	244.8	242.9	244.7	246.1	247.8	246.0	247.9	249.4	251.3
			SC	131.9	162.4	191.5	222.1	138.1	168.9	201.1	231.7	140.5	173.8	207.6	241.4
			PI	22216.9	22356.2	22539.5	22744.9	22786.0	22906.0	22978.1	23067.0	22989.3	23261.3	23350.2	23422.4
		73	TC	249.4	254.3	257.5	260.8	252.3	255.9	260.8	263.8	255.6	259.1	262.2	265.5
			SC	89.0	121.5	148.1	173.8	90.8	124.4	151.6	176.7	92.6	125.6	154.3	183.4
			PI	23514.8	23600.1	23772.2	23827.7	23607.8	23683.3	23899.9	23955.4	23531.4	23838.8	23940.8	24050.8
	95	61	TC	196.2	201.1	210.9	225.3	198.8	207.6	220.5	233.3	206.0	210.9	227.0	239.8
			SC	159.2	191.5	204.3	218.4	168.9	199.1	211.4	223.7	178.7	204.3	219.9	232.4
			PI	21389.5	21528.9	22084.2	22099.9	21700.0	21820.0	22100.3	22188.0	21812.1	22084.2	22173.3	22261.6
		67	TC	220.5	223.7	227.0	231.7	230.0	233.6	234.9	236.5	238.2	240.0	241.6	242.9
			SC	125.6	156.1	186.7	217.2	131.1	164.1	196.4	230.0	186.4	224.5	226.5	239.8
			PI	22585.3	22794.9	22978.1	23183.6	23144.7	23344.6	23416.8	23505.7	23633.4	23700.0	23788.8	23861.0
		73	TC	243.0	246.1	249.2	252.6	244.8	247.6	251.5	255.9	247.1	250.4	253.6	255.2
			SC	84.8	116.6	145.2	172.2	86.7	120.8	149.3	178.7	88.5	123.0	153.0	183.4
			PI	23883.2	24038.7	24210.8	24266.4	23966.5	24122.0	24338.6	24394.1	24175.5	24277.5	24379.5	24489.5
	105	61	TC	182.1	187.0	196.7	213.0	188.6	193.5	209.7	219.5	191.9	200.0	217.9	232.5
			SC	151.6	181.2	190.6	206.4	162.6	187.5	203.2	212.7	172.4	193.8	211.1	225.3
			PI	23089.2	23228.6	23783.8	23799.6	23399.7	23519.7	23800.0	23887.7	23511.7	23783.8	23872.9	23961.2
		67	TC	209.7	213.0	217.9	219.5	211.4	216.2	222.7	226.0	222.7	226.0	229.2	232.5
			SC	118.6	149.6	180.3	212.5	137.6	157.7	191.5	202.7	129.1	165.7	201.1	232.5
			PI	23533.2	23742.8	23926.0	24131.5	24092.6	24292.5	24364.7	24453.5	24581.2	24647.9	24736.7	24808.9
		73	TC	239.0	240.6	242.2	243.9	242.2	243.9	245.5	248.7	245.5	247.1	248.7	250.4
			SC	80.2	111.4	141.2	169.1	82.2	115.6	146.2	177.1	83.8	119.5	150.3	181.8
			PI	25731.1	25886.6	26058.7	26114.2	25814.4	25969.8	26186.4	26241.9	26023.3	26125.3	26227.3	26337.3
	115	61	TC	165.9	172.4	188.6	204.9	170.7	180.5	196.7	213.0	175.6	187.0	204.9	221.1
			SC	144.9	167.0	182.8	198.5	154.3	174.9	190.6	206.4	162.6	181.2	198.5	214.3
			PI	24141.3	24280.7	24836.0	24851.7	24451.8	24571.8	24852.1	24939.8	24563.9	24836.0	24925.1	25013.4
		67	TC	184.6	187.9	189.5	192.8	186.3	191.1	194.4	197.6	197.6	200.9	205.8	209.0
			SC	106.6	126.4	157.0	187.9	113.1	135.0	168.4	192.7	136.6	159.4	193.5	195.1
			PI	24085.3	24294.9	24478.1	24683.6	24644.7	24844.6	24916.8	25005.7	25133.4	25200.0	26400.0	26472.2
		73	TC	210.6	213.9	217.1	218.8	217.1	220.4	222.0	223.6	222.0	223.6	225.3	226.9
			SC	58.7	89.7	120.4	150.5	60.5	95.2	126.1	157.0	64.4	98.5	132.6	166.7
			PI	26706.4	26861.9	27034.0	27089.5	26789.7	26945.2	27161.7	27217.2	26998.6	27100.6	27202.6	27312.6
	118.4	61	TC	167.2	173.7	189.9	206.2	172.0	181.8	198.0	214.3	176.9	188.3	206.2	222.4
			SC	141.3	163.4	179.2	194.9	150.7	171.3	187.0	202.8	159.0	177.6	194.9	210.7
			PI	24012.3	24151.7	24707.0	24722.7	24322.8	24442.8	24723.1	24810.8	24434.9	24707.0	24796.1	24884.4
		67	TC	182.9	185.9	187.4	190.5	184.6	189.1	192.3	195.3	195.9	199.0	203.7	206.7
			SC	105.7	125.3	155.7	186.4	112.2	133.9	167.1	191.2	135.7	158.3	181.5	193.6
			PI	24286.3	24495.9	24679.1	24884.6	24845.7	25045.6	25117.8	25206.7	25334.4	25400.0	26601.0	26673.2
		73	TC	202.1	205.4	208.6	210.3	208.6	211.9	213.5	215.1	213.5	215.1	216.8	218.4
			SC	55.1	86.1	116.8	146.9	56.9	91.6	122.5	153.4	60.8	94.9	129.0	163.1
			PI	27572.8	27728.2	27900.4	27955.9	27656.0	27811.5	28028.1	28083.6	27865.0	27967.0	28069.0	27812.6
	125	61	TC	139.1	145.2	160.6	175.9	143.7	152.9	168.2	183.6	148.3	159.0	175.9	191.2
			SC	119.3	140.2	155.0	169.9	128.2	147.6	162.5	177.3	136.0	153.6	169.9	184.8
			PI	25062.3	25201.7	25757.0	25772.7	25372.8	25492.8	25773.1	25860.8	25484.9	25757.0	25846.1	25934.4
		67	TC	168.2	171.3	172.8	186.9	169.8	174.4	177.4	180.5	180.5	183.6	188.2	191.2
			SC	99.2	117.9	146.8	165.9	105.4	126.1	157.5	176.4	111.5	133.0	165.2	186.9
			PI	25506.3	25715.9	25899.1	26104.6	26065.7	26265.6	26337.8	26426.7	26554.4	26621.0	27821.0	27893.2
		73	TC	192.8	195.8	198.9	200.4	198.9	202.0	203.5	205.0	203.5	205.0	206.6	208.1
			SC	54.0	83.3	112.3	140.6	55.7	88.5	117.6	146.8	59.4	91.6	123.8	156.0
			PI	27972.8	28128.2	28300.4	28355.9	28056.0	28211.5	28428.1	28483.6	28265.0	28367.0	28469.0	27812.6

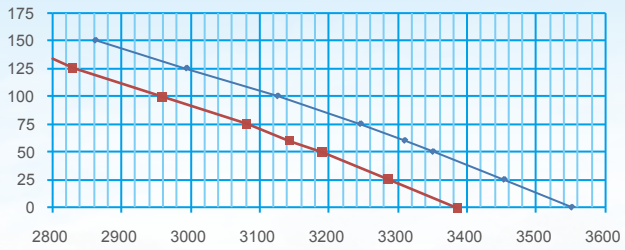
Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h).
3. SC=Sensible Capacity. (Unit:1000Btu/h).
4: PI= Total power input ,unit (W), is including the Comp., Cond. Fan motor and Evap. Fan motor.
5. Different air volume in the above table,need to adjust in the field.

Static pressure chart

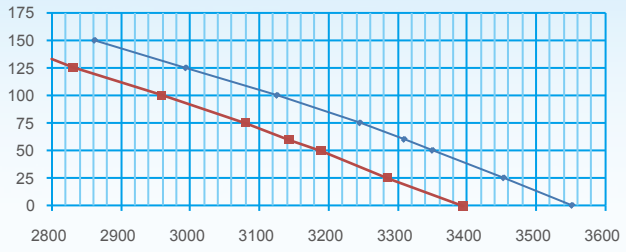
6.2Tons(50Hz)



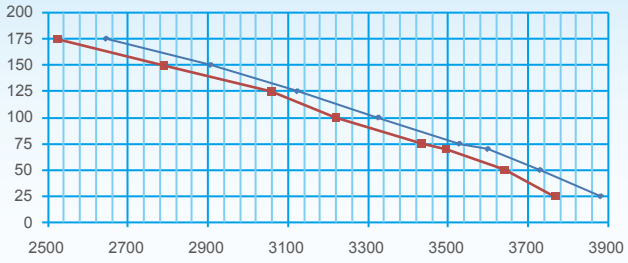
7.5Tons(50Hz)



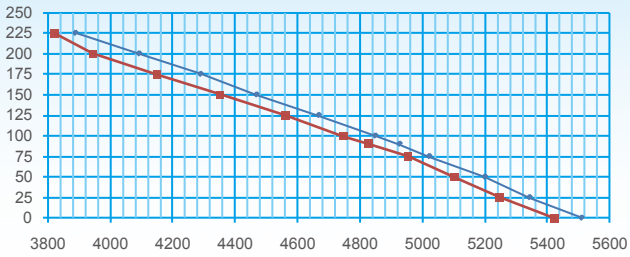
8.5Tons(50Hz)



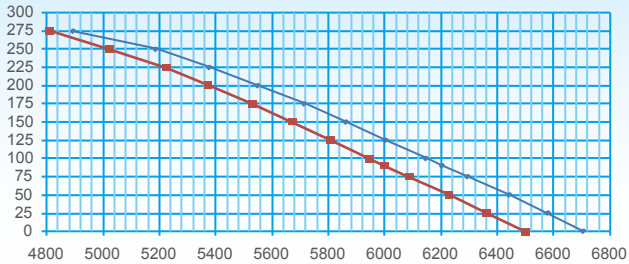
10Tons(50Hz)



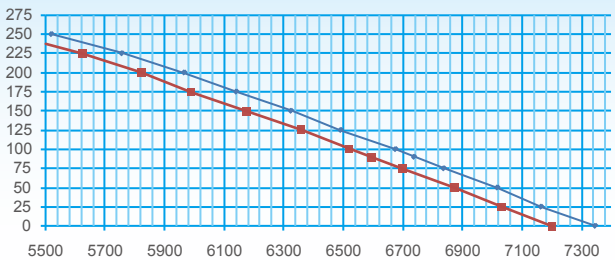
12.5Tons(50Hz)



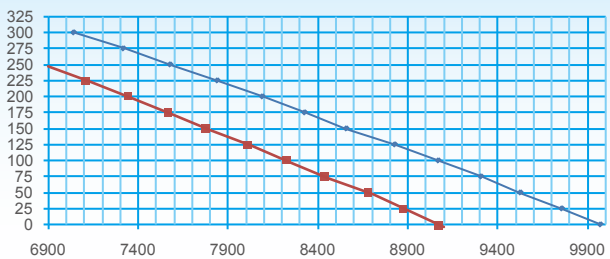
15Tons(50Hz)



17.5Tons(50Hz)



20Tons(50Hz)



Notes:
The above chart: the blue line is the static pressure curve of the cooling unit.
the red line is the static pressure curve of the EAH unit.

Electrical parameters →

Electrical data

Model	Power Supply			Compressor				Evaporator fan motor			Condenser fan motor		
	MCA	TOCA	MFA	STC	RNC	IPT	Qty	RNC	IPT	Qty	RNC(each)	IPT(each)	Qty
MRCT-062CWN1-R(A)	17.5	22.6	30	74	9.1	5.2	1	4.60	1.03	1	1.50	0.35	1
MRCT-062EWN1-R(A)	17.4	22.5	30	74	9.1	5.2	1	4.60	1.03	1	1.50	0.35	1
MRCT-075CWN1-R(A)	27.4	34.1	45.0	62	8.8	5.13	2	3.65	1.76	1	1.73	0.83	1
MRCT-075EWN1-R(A)	27.4	34.1	45.0	62	8.8	5.13	2	3.60	1.70	1	1.73	0.83	1
MRCT-085CWN1-R(A)	27.4	34.1	45.0	62	8.8	5.13	2	3.65	1.76	1	1.73	0.83	1
MRCT-085EWN1-R(A)	27.4	34.1	45.0	62	8.8	5.13	2	3.60	1.70	1	1.73	0.83	1
MRCT-100CWN1-R(A)	30.3	37.4	50	66	9.6	5.7	2	3.65	1.69	1	2.58	1.14	1
MRCT-100EWN1-R(A)	30.3	37.4	50	66	9.6	5.7	2	3.51	1.61	1	2.58	1.14	1
MRCT-125CWN1-R(A)	39.2	47.8	65	58x2+66	7.3x2+9.6	4.27x2+5.7	2+1	5.60	2.65	1	2.47	1.07	1
MRCT-125EWN1-R(A)	39.1	47.8	65	58x2+66	7.3x2+9.6	4.27x2+5.7	2+1	5.60	2.64	1	2.47	1.07	1
MRCT-150CWN1-R(A)	47.9	59.7	80	66x2+66	9.6x2+9.6	5.7x2+5.7	2+1	8.80	3.91	1	2.46	1.04	1
MRCT-150EWN1-R(A)	47.7	59.7	80	66x2+66	9.6x2+9.6	5.7x2+5.7	2+1	8.60	3.83	1	2.46	1.04	1
MRCT-175CWN1-R(A)	60.9	74.3	95	139	16.6	9.16	2	9.10	4.03	1	5.13	2.25	2
MRCT-175EWN1-R(A)	60.6	74.3	95	139	16.6	9.16	2	8.90	3.78	1	5.13	2.25	2
MRCT-200CWN1-R(A)	71.8	86.3	110	144	18.7	10.8	2	10.20	5.23	1	7.04	3.60	2
MRCT-200EWN1-R(A)	70.9	86.3	110	144	18.7	10.8	2	9.30	4.61	1	7.04	3.60	2

MCA: Min. Current Amps. (A)
TOCA: Total Over-current Amps. (A)
MFA: Max. Fuse Amps. (A)
STC: Starting Current (A)
RNC: Running Current (A)
IPT: Input (kW)

Error code

For 6.2ton

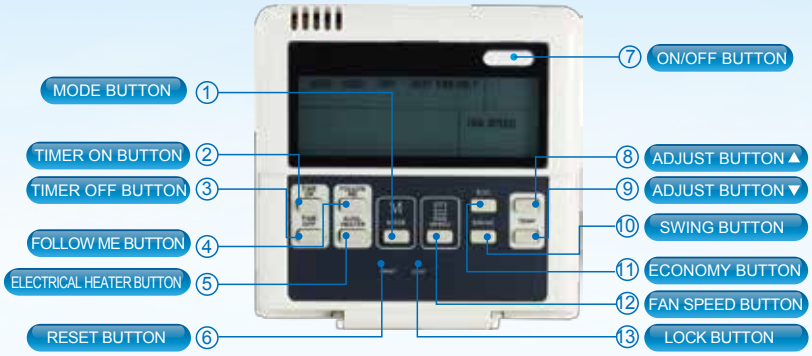
Type	Content	Code	Remarks
Normal	Standby	--	
Normal	Constraint cooling	On	
Normal	Run	10.	
Error	Compressor phase sequence error or phase default	E0	Manual reset
Error	Outdoor coil temp. sensor T3-1 default	E1	Manual reset
Error	Outdoor coil temp. sensor T3-2 default	E2	Manual reset
Error	Indoor coil temp. sensor T2-1 default	E5	Manual reset
Error	Indoor coil temp. sensor T2-2 default	E6	Manual reset
Error	Indoor temp. sensor T1 error	E9	Manual reset
Error	Outdoor ambient temp. sensor T4 error	EA	Manual reset
Error	Wired controller output error	Eb	Manual reset
Protection	Over current protection	P0	Auto reset
Protection	Comprehensive protection for outdoor fan	P3	Auto reset
Protection	Protection for Hi./Lo. Pressure or exhaust temp. (System 1)	P4	Auto reset
Protection	Protection for Hi./Lo. Pressure or exhaust temp. (System 1)	P5	Auto reset
Protection	Protection for High temperature of the outdoor condenser	P8	Auto reset

For 7.5ton and above

Type	Content	Code	Remarks
Normal	Standby	--	
Normal	Constraint cool	On	
Normal	Run	10.	
Error	Compressor phase sequence error or phase default	E0	Manual reset
Error	Outdoor coil temp. sensor in sys. A error	E1	Manual reset
Error	Outdoor coil temp. sensor in sys. B error	E2	Manual reset
Error	Overcurrent protection of system A are active 3 times within One hour	E3	Unit shall be power off to recovery
Error	Overcurrent protection of system B are active 3 times within One hour	E4	Unit shall be power off to recovery
Error	Indoor coil temp. sensor in sys. A error	E5	Manual reset
Error	Indoor coil temp. sensor in sys. B error	E6	Manual reset
Error	High、low pressure protection or discharge temp. protection Of system A reached 3times	E7	Unit shall be power off to recovery
Error	High、low pressure protection or discharge temp. protection Of system B reached 3times	E8	Unit shall be power off to recovery
Error	Indoor temp. sensor error	E9	Manual reset
Error	Outdoor ambient temp. sensor error	EA	Manual reset
Error	Wired controller output error	Eb	Manual reset
Protection	Over-current protection in sys. A	P0	Auto reset
Protection	Over-current protection in sys. B	P1	Auto reset
Protection	Over-current protection for indoor fan	P2	Auto reset
Protection	Comprehensive protection for outdoor fan	P3	Auto reset
Protection	Protection for High/Low Pressure or exhaust temp. in sys. A	P4	Comprehensive protection in sys. A
Protection	Protection for High/Low Pressure or exhaust temp. in sys. B	P5	Comprehensive protection in sys. B
Protection	High-pressure protection initiated in T2 evaporator stops the outdoor unit fan	P6	Auto reset
Protection	High-pressure protection initiated in T2 evaporator stops the outdoor unit fan and compressor	P7	Auto reset
Protection	Protection for condenser High-temp. in sys. A	P8	Auto reset
Protection	Protection for condenser High-temp. in sys. B	P9	Auto reset
Protection	Anti-freezing protection for evaporator in sys. A	Pc	Auto reset
Protection	Anti-freezing protection for evaporator in sys. B	Pd	Auto reset
Protection	Defrosting	dF	Auto reset

Wired controller and field wiring

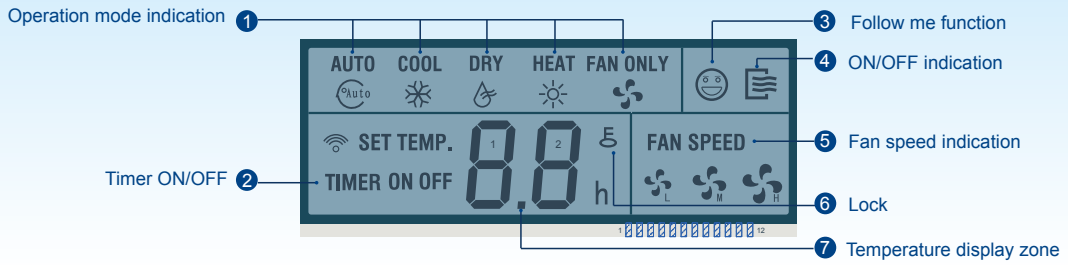
Standard wired conroller:KJR-12B/DP (T)-E



Feature

- Digital display lets you set temperature in 1°C units.
- With the FOLLOW ME function,the wired controller can detect the air temperature at the user's altitude instead the of ceiling or floor. This helps making the room environment comfortable and the temperature accurate.
- Simply and conveniently select cool/heat/fan operation mode
- Economical operation power supply 5V DC.
- Wide operation temperature from -15°C to +43°C and humidity from 40% to 90%,RH.
- With daily timer function.

Name and function of indicators on the controller



Optional wired controller

KJR-23B

For cooling only and cooling with auxiliary heater

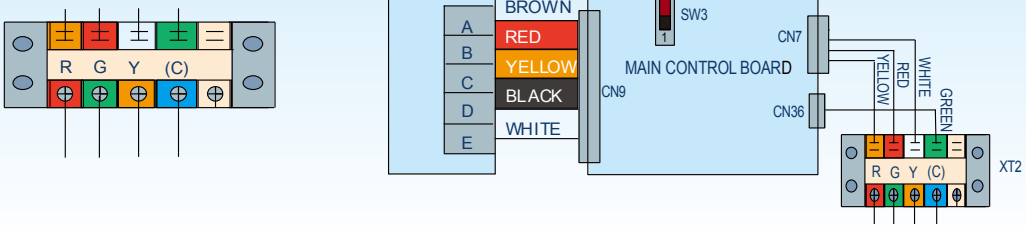
KJR-25B

For heat pump

To connect with wired controller

Set the dial code SW3 of PCB in rooftop package unit's electric control box as per the wired controller you are in using. After settings, please reset the power supply, otherwise, the new settings function couldn't work.

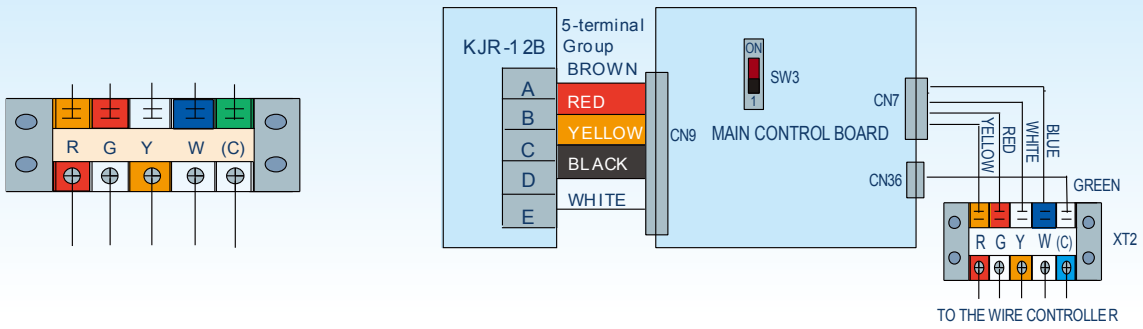
For cooling only units



See the upper figure:

- When select KJR-12B wired controller,please set the SW3 in "ON" .
- When select the wired controller be recommended, please set the SW3 in"1".

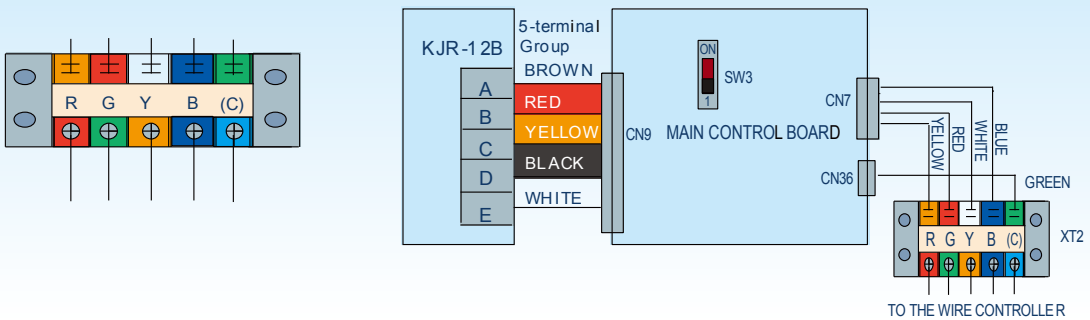
For cooling +EAH units



See the upper figure:

- When select KJR-12B wired controller,please set the SW3 in "ON" .
- When select the wired controller be recommended, please set the SW3 in"1".

For heat pump units



See the upper figure:

- When select KJR-12B wired controller,please set the SW3 in "ON" .
- When select the wired controller be recommended, please set the SW3 in"1".

Mechanical specifications

General

The units are convertible airflow. All units shall be factory assembled, internally wired, fully charged refrigerant and 100% run tested to check cooling and heating operation, fan and blower rotation, and control sequence before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. The unit is provided with an integral weather resistant control panel.

Casing

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, G90 galvanized heavy gauge plate conforming to ASTMA 653, followed by baked on electrostatic polyester dry powder coat paint on all external panels, completely weatherized for outdoor installation and properly reinforced and brazed. Salt spray test for steel sheet under 1000 hours, specially treated can be up to 2000 hours and even more. Cabinet construction shall allow for all maintenance on one side of the unit, only the unit with auxiliary electrical heater shall allow for maintenance on two sides. Service panels shall be removed easily and reinstalled by removing bolts. All panels and top covers indoor side of the unit shall be insulated with 16 mm, foam-faced (foil-faced only for 5ton), closed-cell insulation. The unit has provisions for forklift and crane lifting, with forklift capabilities on four sides of the unit.

Compressors

All units shall have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of unit nameplate voltage. Internal overloads shall be provided with the scroll compressors.

Compressors used in Rooftop package unit are hermetically sealed reciprocating type. They are equipped with a crankcase heater as standard.

The compressors, incorporating a built in muffler, are mounted on springs within a heavy gauge steel housing to give a low noise level.

The unit contains the best compressor technology available to achieve the highest possible performance. Dual compressors are outstanding for humidity control, light load cooling conditions and system back-up applications. Dual compressors are available on 7.5 to 20 ton models.

Controls

The unit shall be completely factory-wired with necessary controls and terminal block for power wiring. The unit shall provide an external location for mounting a fused disconnect device.

Microprocessor controls provide for all 24V control functions. The precision control shall make all heating, cooling, or ventilating decisions in response to electronic signals from sensors measuring indoor and outdoor temperatures. The control maintains accurate temperature control, minimizes drift from set point, and provides better building comfort. A centralized microprocessor shall provide a higher level of machine protection.

Evaporator and condenser coils

Internally finned, copper tubes mechanically bonded to a configured hydrophilic aluminum fin shall be standard. Coils shall be leak tested at the factory to ensure the pressure integrity. The evaporator coil and condenser coil shall be leak tested to 3100 kPa (450 psig). A removable, double-sloped condensate drain pan with through the base condensate drain is standard.

Filters

Washable filters shall be standard on all units.

Evaporator fan

Evaporator fan is of centrifugal forward-curved blade design capable of handling total required CFM and static pressure in the low and the medium ranges. Casings are made of galvanized steel. Blower motors are of open drip proof type (totally enclosed types are optional) and conform to NEMA MG-1 and MG-2. Blower motor is mounted on adjustable base and secured by locking device. Fan wheels shafts and bearing are selected to operate at 25% below first critical speed. Pillow block bearing are selected for at 200,000 hours average life at design operating conditions. Shaft is turned, ground and polished from solid steel. Fans and pulleys are keyed to shaft and designed for continuous operation at maximum motor horse power and fan speed. All rotating components and assemblies are statically and dynamically balanced and every unit is vibration tested before shipment from the factory.

Condenser fan

The fan is direct drive by weatherproof motor to ensure reliable continuous operation. Statically and dynamically balanced drive motor design with maintenance-free bearings for outdoor installation. The fan is multi-blade vane-axial type, made of metal material for quiet operation and durability.

Electronic thermostats

General information: A dedicated electronic thermostat is supplied with unit controls as standard. This thermostat controls one or two stage heating and cooling applications. The thermostat normally displays room temperature and mode of operation.

The temperature can be set by up/down buttons for both cooling and heating cycles. The thermostat also allows you to select continuous fan operation, or have the fan on intermittent operation with the equipment. It also displays the status of unit, thus providing maximum information for the end user.


ClimaCreator Series

Contents

Product lineup

Tropical application

Nominal Capacity(Ton)	Model	Function	Air Outlet	Power Supply
6.2	MRCT-062CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz
7.5	MRCT-075CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz
8.5	MRCT-085CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz
8.5	MRCT-085CWN1-R(D)	Cooling only	Side air supply	380～415V-3N-50Hz
10	MRCT-100CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz
10	MRCT-100CWN1-R(D)	Cooling only	Side air supply	380～415V-3N-50Hz
12.5	MRCT-125CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz
15	MRCT-150CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz
17.5	MRCT-175CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz
20	MRCT-200CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz
25	MRCT-250CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz
30	MRCT-300CWN1-R(C)	Cooling only	Side air supply	380～415V-3N-50Hz

T1 application

Nominal Capacity(Ton)	Model	Function	Air Outlet	Power Supply
6.2	MRC-062HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz
7.5	MRC-075HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz
8.5	MRC-085HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz
10	MRC-100HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz
12.5	MRC-125HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz
15	MRC-150HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz
17.5	MRC-175HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz
20	MRC-200HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz
25	MRC-250HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz
30	MRC-300HWN1-R(C)	Heat pump	Side air supply	380～415V-3N-50Hz

Note: Please refer to specification tables for accurate cooling and heating capacity with Kw or Btu/h unit.

External appearance

6.2&7.5ton

8.5&10ton

12.5&15ton

17.5&20ton

25&30ton

Accessories

Description	Optional accessories	Standard accessories
Auxiliary electric heaters	◆	
Wired controller KJR-23B	◆	
Wired controller KJR-25B	◆	
Wired controller KJR-12B		◆
Drainage outlet		◆
Snap ring		◆
Drainage pipe		◆
Anti-corrosion fin (Customized)	◆	
Network interface module(Customized)	◆	
Economizer	◆	
Filter (Thickness of 50mm can be customized)	◆	
Three-phase protector	◆	

Nomenclature

Product design sequence
C:The third design
A:The second design
Omit:The first design

Power supply
R: 380~415V,3Ph,50Hz
Q:220~240V,1Ph,50Hz
V&M:208~230V,1Ph,60Hz
D:220V,3Ph,60Hz
X:208~230V,3Ph,60Hz
C:380~415V,3Ph,60Hz
Omit for 220~240V,1Ph,50Hz

Refrigerate type
N1: R410A
Omit for R22

Wired controller

Function mode
C: Cooling only
E: Cooling only with electric heater
H: Heat pump

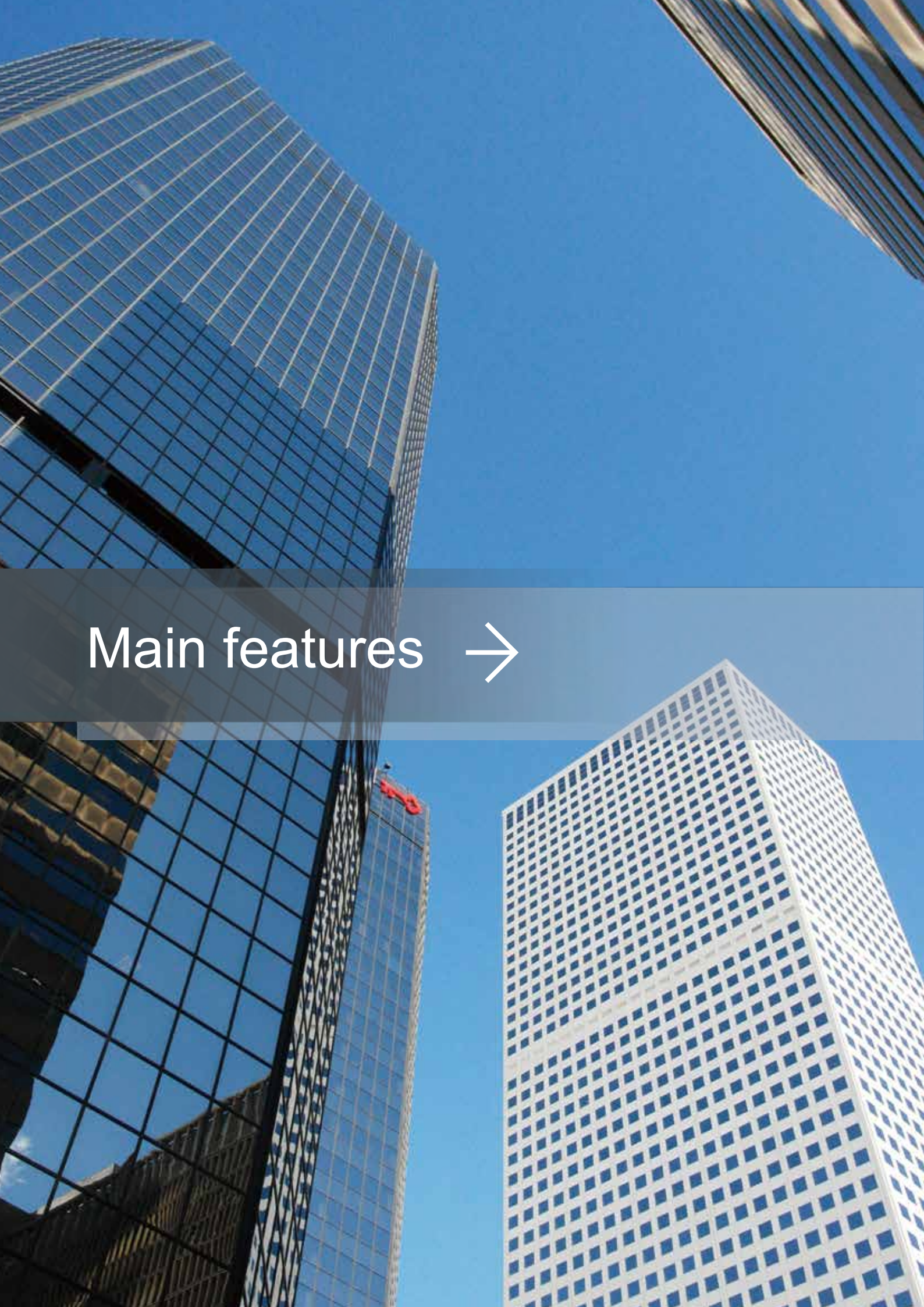
Capacity
XXX:ton (6.2ton)
XX:1000Btu/h

Working condition
Omit for T1 condition
T: Tropical application

Air outlet way
C: Side air supply

Rooftop package

Midea



Main features

High reliability and high efficiency

Outstanding reliability

■ Midea rooftop package units shall be factory assembled, internally wired, fully charged refrigerant and 100% run tested to check cooling and heating operation, fan and blower rotation, and control sequence before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. The unit is provided with an integral weather resistant control panel.

■ Multiple self-protecting functions guarantee the safety of unit and running perfectly: high-pressure protection, low-pressure protection, over-heat protection, over-current protection and so on.

Reliable components

Famous brand compressor, high IP class motor, reliable pressure switch.



Excellent efficiency

■ High efficiency scroll compressor;

■ Enlarge the air inlet area space contribute a high efficiency;

Durable construction

■ Pre-painted exterior cabinet panels pass 1000-hour Salt Spray Test for durability.

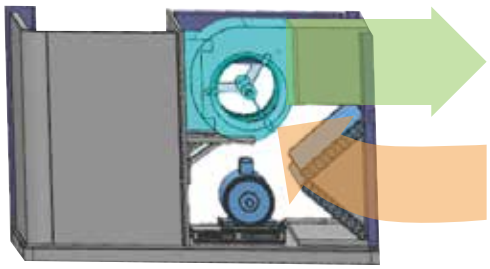
■ Weather-resistant construction with capped seams and sloped top panels.

■ G90 galvanized heavy gauge plate conforming to ASTM-A-653, Zinc content of galvanized plate is 275 g/m^2.



New fan duct design

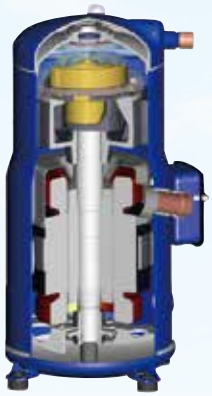
Optimized fan vane shape reduces pressure loss and im proves heat exchange efficiency.



Adjustable Pulley

Through changing the working pitch diameter of the pulley mounted on driver shaft, in turn the revolutions per minute of the driven shaft will increase or decrease to change air volume.

Well compressor control



■ Compressor start-stop is controlled directly by the main control board. To prevent compressor start and stop frequently, when the unit first / re-power, the compressor will delay three minutes to start, when the indoor temperature is below the set temperature or mode conversion or system protection, the compressor will start after seven minutes delay.

■ It has two-stage control for the system which has two compressors. The system will shut off one compressor in condition of part load.

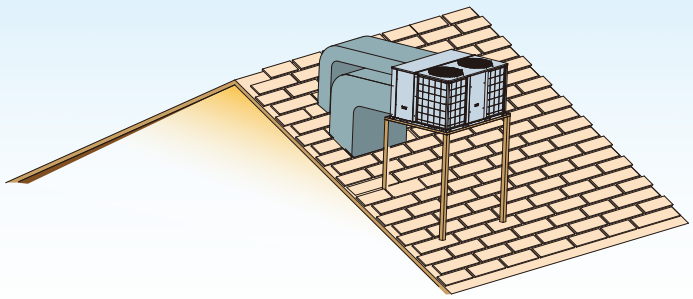
Compressor cycle duty operation

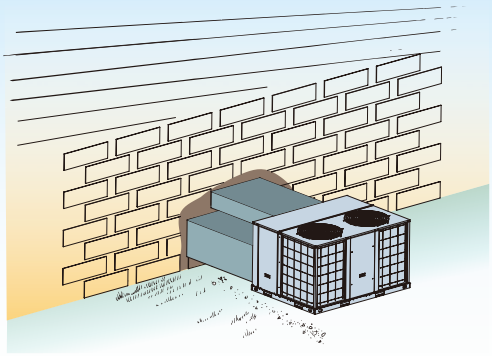
When the set temperature and ambient temperature meet one compressor to start, for the first time to open compressor A, compressor B start next time, this extends the compressor's life span effectively.

Easy installation and service

Design flexibility, easy to install

■ New structure design, compact design, smaller body size, reduce transfer cost.;
■ Rooftop or ground is selectable to install.
■ Anywhere removable as requirement without fixed.





Easy drainage

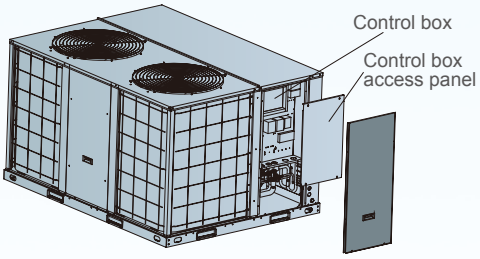
External drainage port reserved, quickly and accurately connect the rubber drainage pipe.

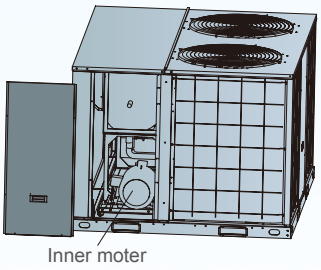
External pressure gauge ports

The unit provide external pressure gauge ports, for convenient and fast checking without remove the panel.

Easy access doors

- Installer no need to enter inside of the door, only out-of-doors.
- Provide easy access to system components for maintenance and service.
- Removable access doors on the filter, fan motor, and control box sections.

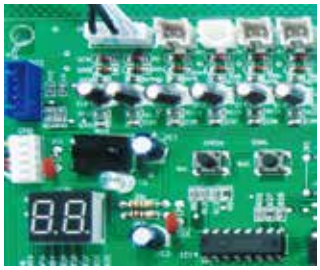




Low voltage connections

All ports of low voltage wires are integrated in the PCB board,so it is easy and safe for the installer to wire.

System self-diagnostic



The system self-diagnostic function, press the “check” button, the LED displays the normal checking code. When the unit is in running with abnormal operation, the LED will display the error code.

Standard features

High efficiency and high reliability scroll compressor

Discharge temperature protection for compressor

Condenser's high temperature protection

Indoor fan overload of current protection

Temperature sensor on/off protection

High/Low pressure switch protection

Evaporator anti-freezing protection

Outdoor fan integrate protection

Compressor integrate protection

Compressor current protection

Anti-cold protection

Phase monitor

Fan belt driving

Rubber drain pipe

Stainless steel bolt

Convertible airflow

Crankcase heaters

Metal condenser fan

Quickly access doors

Fresh air intake function

Thermal expansion valve

Cooling & heating thermostat

All coils are tested at 450psig

External pressure gauge port

Wired controller KJR-12B/DP (T)-E

Adjustable fan motor mounting track

Easy access low voltage terminal board

Forward curved design of blower wheels

Salt spray test of steel sheet for 1000 hours

Belt driven & forward curved blower for air supply

Copper tube+hydrophilic aluminium fin heat-exchanger

G90 galvanized heavy gauge plate conforming to ASTMA 653


Specifications →

Tropical Application
——Cooling only type

Nominal ton		(Ton)	6.2	7.5	8.5	10	12.5
Model			MRCT-062CWN1-R(C)	MRCT-075CWN1-R(C)	MRCT-085CWN1-R(C) *MRCT-085CWN1-R(D)	MRCT-100CWN1-R(C) *MRCT-100CWN1-R(D)	MRCT-125CWN1-R(C)
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity (1)	Btu/h	75000	89000	103000	120000	150000
		kW	22.0	26.0	30.0	35.0	43.0
	Power Input (1)	kW	6.5	7.7	9.0	10.5	13
	EER 1	Btu/h/W	11.6	11.5	11.4	11.4	11.5
	Cooling Capacity (2)	Btu/h	61400	69600	80700	100200	125400
		kW	18	20.4	23.7	29.4	36.8
	Power Input (2)	kW	7.7	8.7	10.1	12.5	15.9
	EER 2	Btu/h/W	8.0	8.0	8.0	8.0	7.9
Max. input consumption		kW	9.0	12.5	14.8	17.8	21.0
Max. current		A	19.3	27.2	29.2	34.1	41.2
Performance	Indoor fan air flow	CFM	2800	2830	3500	4100	5500
	ESP	Pa	80	80	80	90	110
Indoor Coil	Number of rows		4	3	4	4	4
	Fin spacing	mm	1.3	1.3	1.5	1.5	1.3
		FPI	19	19	17	17	19
	Tube diameter	mm	7	7	7	7	7
		inch	9/32	9/32	9/32	9/32	9/32
Indoor fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
	Quantity		1	1	1	1	1
	Drive type		Direct	Direct	Belt	Belt	Belt
	Motors quantity		1	1	1	1	1
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	2/*1	2/*1	2
	Brand		Copeland	Danfoss	Hitachi/*Copland	Hitachi/*Copland	Copeland
	Capacity	Btu/h	58345	89053	52784×2/*102000	58345×2/*120500	49986+102018
	Refrigerant oil charge	ml	1656	2400	1300x2/*2395	1300x2/*3134	1656+2513
Outdoor Coil	Number of rows		2.5	3	2.5	2.5	3
	Fin spacing	mm	1.5	1.5	1.5	1.5	1.5
		FPI	17	17	17	17	17
	Tube diameter	mm	7	7	7	7	7
		inch	9/32	9/32	9/32	9/32	9/32
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1	1
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motors quantity		1	1	1	1	1
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	4	3.7	2.25+2.25/*4.2	2.3+2.3/*4.2	1.7+2.8
	Refrigerant Control		Piston	Piston	Piston	Piston	Piston
Shipping	Qty'Per 20'/40'/40'HQ		12/24/48	12/24/48	8/16/32	8/16/32	6/12/24

Notes:
The data are based on the following conditions:
Cooling and Power input :(1) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.
(2) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46.1°C(115°F) DB.
Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB.

Nominal ton		(Ton)	15	17.5	20	25	30
Model			MRCT-150CWN1-R(C)	MRCT-175CWN1-R(C)	MRCT-200CWN1-R(C)	MRCT-250CWN1-R(C)	MRCT-300CWN1-R(C)
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity (1)	Btu/h	180000	208000	240000	300000	360000
		kW	53.0	61.0	70.0	87.0	105.0
	Power Input (1)	kW	15.9	18.6	21.6	27.5	33.3
	EER 1	Btu/h/W	11.3	11.2	11.1	10.9	10.8
	Cooling Capacity (2)	Btu/h	146000	184000	199800	251700	336300
		kW	42.8	53.9	58.6	73.8	98.6
	Power Input (2)	kW	18.5	22.8	25.1	32.4	42.6
	EER 2	Btu/h/W	7.9	8.1	8.0	7.8	7.9
Max. input consumption		kW	25.0	28.6	34.0	42.0	49.0
Max. current		A	48	55	66.9	77.4	94.1
Performance	Indoor fan air flow	CFM	7000	7600	8800	10000	120000
	ESP	Pa	110	110	120	130	270
Indoor Coil	Number of rows		4	3	4	4	4
	Fin spacing	mm	1.3	1.3	1.3	1.6	1.6
		FPI	19	19	19	16	16
	Tube diameter	mm	7	7	7	8	8
		inch	9/32	9/32	9/32	5/16	5/16
Indoor fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
	Quantity		1	1	1	1	1
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motors quantity		1	1	1	1	1
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2	2
	Brand		Copeland	Copeland	Copeland	Danfoss	Danfoss
	Capacity	Btu/h	49986+120500	102018×2	120500×2	132386×2	152383×2
	Refrigerant oil charge	ml	1656+3253	2513x2	3253x2	3300x2	3600x2
Outdoor Coil	Number of rows		3.5	2.5	3	3+2	3+3
	Fin spacing	mm	1.6	1.5	1.5	1.5	1.5
		FPI	16	17	17	17	17
	Tube diameter	mm	8	7	7	7	7
		inch	5/16	9/32	9/32	9/32	9/32
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		1	2	2	2	2
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motors quantity		1	2	2	2	2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	2.25+3.9	3.7+3.7	5.65+5.65	6+6	7.6+7.6
	Refrigerant Control		Piston	Piston	Piston	Capillary	Capillary
Shipping	Qty'Per 20'/40'/40'HQ		6/12/24	3/7/14	3/7/14	2/5/10	2/5/10

Notes:
The data are based on the following conditions:
Cooling and Power input :(1) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.
(2) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46.1°C(115°F) DB.
Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB.

T1 Application

Nominal ton		(Ton)	6.2	7.5	8.5	10	12.5
Model			MRC-062HWN1-R(C)	MRC-075HWN1-R(C)	MRC-085HWN1-R(C)	MRC-100HWN1-R(C)	MRC-125HWN1-R(C)
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity	Btu/h	75000	89000	103000	120000	150000
		kW	22.0	26.0	30.0	35.0	43.0
	Power Input	kW	6.6	7.9	9.3	10.7	13.3
	EER	Btu/h/W	11.4	11.3	11.1	11.2	11.3
Heating	Heating Capacity	Btu/h	89000	103000	120000	137000	154000
		kW	26	30	35	40	45
	Power Input	kW	7.5	8.9	10.6	11.9	13.2
	COP	Btu/h/W	11.8	11.6	11.3	11.5	11.7
Max. input consumption		kW	8.6	12.0	13.6	15.0	19.7
Max. current		A	18.3	24.8	26.5	28.8	38.2
Performance	Indoor fan air flow	CFM	2800	2830	3500	4100	5500
	ESP	Pa	80	80	80	90	110
Indoor Coil	Number of rows		4	3	4	4	4
	Fin spacing	mm	1.3	1.3	1.5	1.5	1.3
		FPI	19	19	17	17	19
	Tube diameter	mm	7	7	7	7	7
		inch	9/32	9/32	9/32	9/32	9/32
Indoor fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
	Quantity		1	1	1	1	1
	Drive type		Direct	Direct	Belt	Belt	Belt
	Motors quantity		1	1	1	1	1
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	2	2
	Brand		Copeland	Danfoss	Hitachi	Hitachi	Copeland
	Capacity	Btu/h	58345	89053	52784×2	58345×2	49986+102018
	Refrigerant oil charge	ml	1656	2400	1300x2	1300x2	1656+2513
Outdoor Coil	Number of rows		2.5	3	2.5	2.5	3
	Fin spacing	mm	1.5	1.5	1.5	1.5	1.5
		FPI	17	17	17	17	17
	Tube diameter	mm	7	7	7	7	7
		inch	9/32	9/32	9/32	9/32	9/32
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1	1
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motors quantity		1	1	1	1	1
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5	4.8	2.5+2.5	2.6+2.6	2.1+3.4
	Refrigerant Control		Piston	Piston	Piston	Piston	Piston
Shipping	Qty'Per 20'/40'/40'HQ		12/24/48	12/24/48	8/16/32	8/16/32	6/12/24

Notes:
The data is based on the following conditions:
Cooling :Indoor temperature: 26.7°C(80°F) DB, 19.4°C(66.9°F) WB; Outdoor temperature: 35°C(95°F).
Heating :Indoor temperature: 20°C(68°F) DB, 15°C(59°F) WB; Outdoor temperature: 7°C(44.6°F) DB, 6°C(42.8°F) WB.

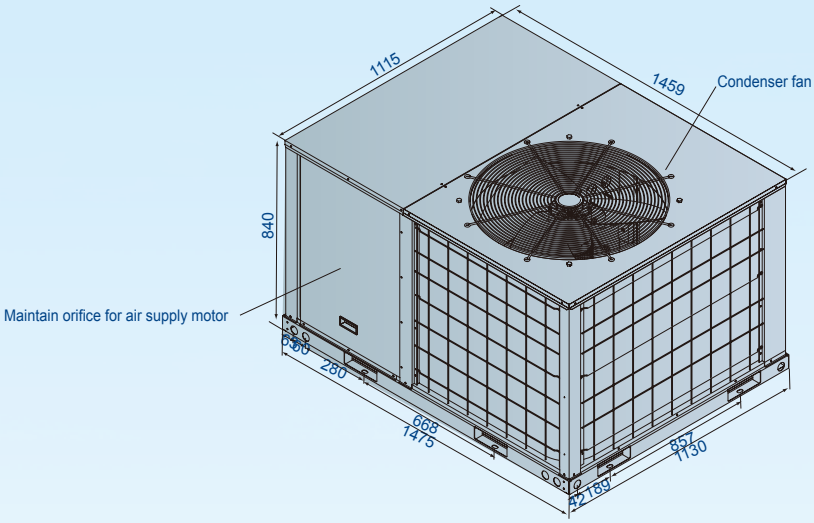
Nominal ton		(Ton)	15	17.5	20	25	30
Model			MRC-150HWN1-R(C)	MRC-175HWN1-R(C)	MRC-200HWN1-R(C)	MRC-250HWN1-R(C)	MRC-300HWN1-R(C)
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity	Btu/h	180000	208000	240000	300000	360000
		kW	53.0	61.0	70.0	87	105.0
	Power Input	kW	16.7	19.1	22.6	28.85	35.29
	EER	Btu/h/W	10.8	10.9	10.6	10.4	10.2
Heating	Heating Capacity	Btu/h	191000	218000	260000	330000	380000
		kW	56	64	75	96.7	111.5
	Power Input	kW	17.2	19.5	23.6	30.28	35.19
	COP	Btu/h/W	11.1	11.2	11	10.9	10.8
Max. input consumption		kW	25.0	27.0	32.5	38.5	35.2
Max. current		A	46.1	55.4	63.2	74.3	63.2
Performance	Indoor fan air flow	CFM	7000	7600	8800	10000	120000
	ESP	Pa	110	110	120	130	270
Indoor Coil	Number of rows		4	3	4	4	4
	Fin spacing	mm	1.3	1.3	1.3	1.6	1.6
		FPI	19	20	20	16	16
	Tube diameter	mm	7	7	7	8	8
		inch	9/32	9/32	9/32	5/16	5/16
Indoor fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
	Quantity		1	1	1	1	1
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motors quantity		1	1	1	1	1
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2	2
	Brand		Copeland	Copeland	Copeland	Danfoss	Danfoss
	Capacity	Btu/h	49986+120500	102018×2	120500×2	132386x2	152383×2
	Refrigerant oil charge	ml	1656+3253	2513x2	3253x2	3300x2	3600x2
Outdoor Coil	Number of rows		3.5	2.5	3	3+2	3+3
	Fin spacing	mm	1.6	1.5	1.5	1.5	1.5
		FPI	16	17	17	16	16
	Tube diameter	mm	8	7	7	8	8
		inch	5/16	9/32	9/32	5/16	5/16
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		1	2	2	2	2
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motors quantity		1	2	2	2	2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	2.85+5.9	5.8+5.8	6.9+6.9	6.0+6.0	7.6+7.6
	Refrigerant Control		Piston	Piston	Piston	Capillary	Capillary
Shipping	Qty'Per 20'/40'/40'HQ		6/12/24	3/7/14	3/7/14	2/5/10	2/5/10

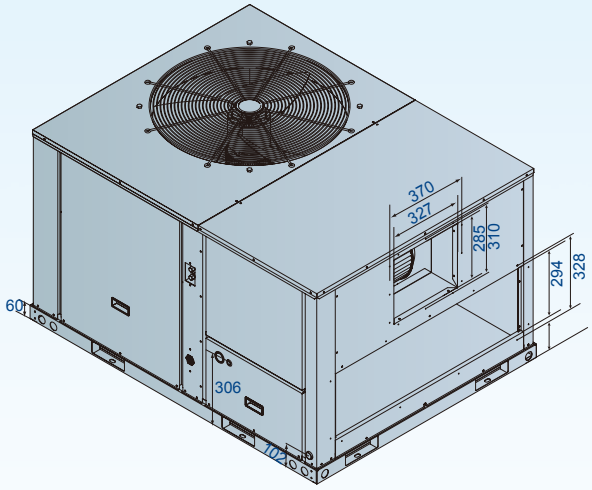
Notes:
The data is based on the following conditions:
Cooling :Indoor temperature: 26.7°C(80°F) DB, 19.4°C(66.9°F) WB; Outdoor temperature: 35°C(95°F).
Heating :Indoor temperature: 20°C(68°F) DB, 15°C(59°F) WB; Outdoor temperature: 7°C(44.6°F) DB, 6°C(42.8°F) WB.

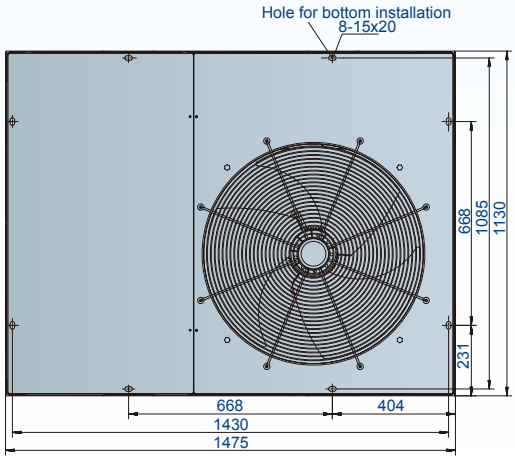
Dimensional data

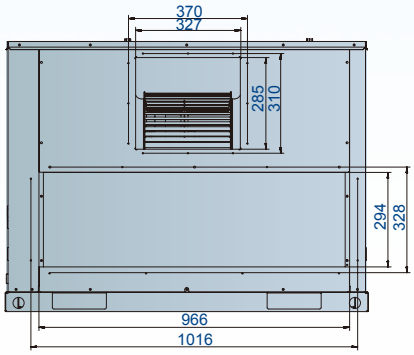
6.2&7.5ton

Units: mm





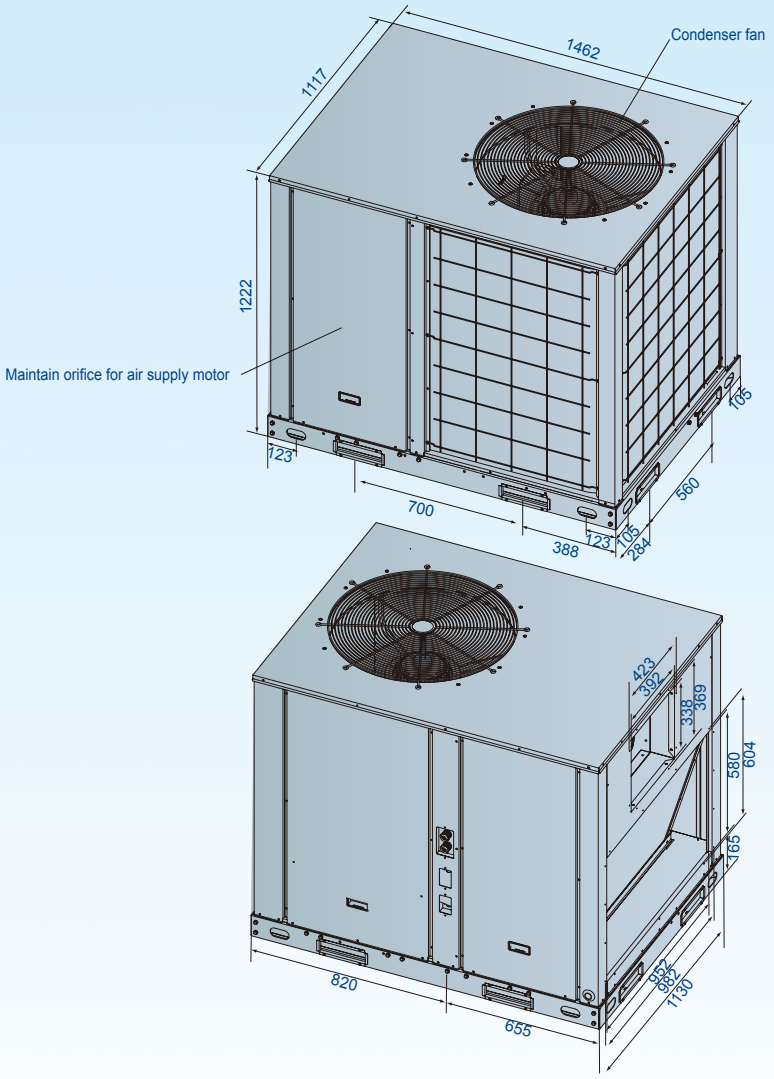


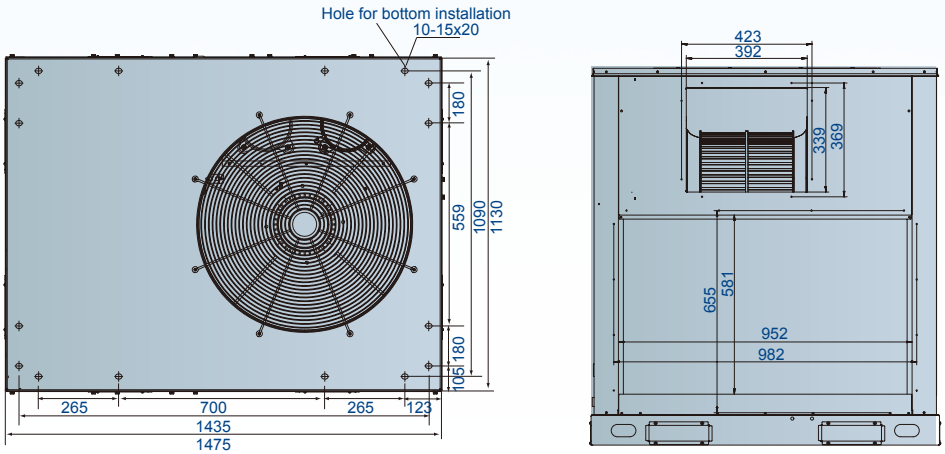


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(kg)	Gross weight(kg)
MRCT-062CWN1-R(C)	1475x840x1130	1497x867x1152	223	228
MRC-062HWN1-R(C)	1475x840x1130	1497x867x1152	229	234
MRCT-075CWN1-R(C)	1475x840x1130	1497x867x1152	231	236
MRC-075HWN1-R(C)	1475x840x1130	1497x867x1152	244	249

8.5&10ton

Units: mm

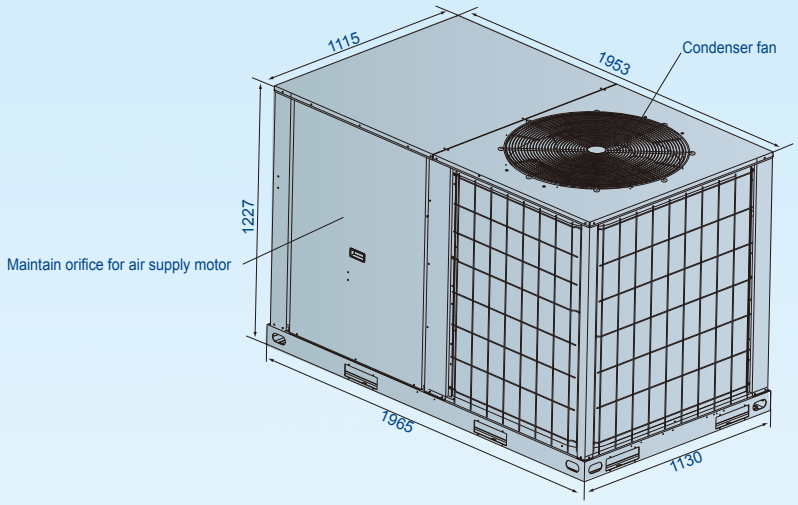


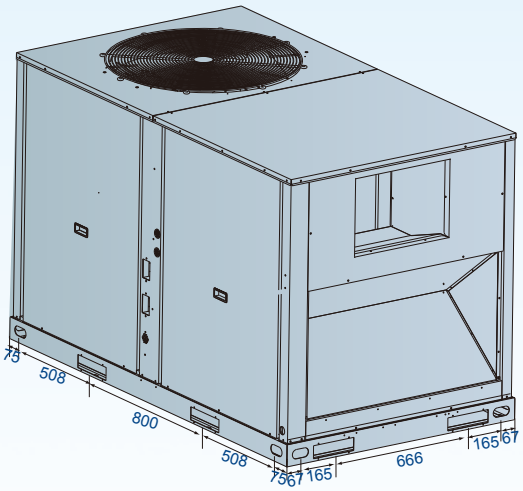


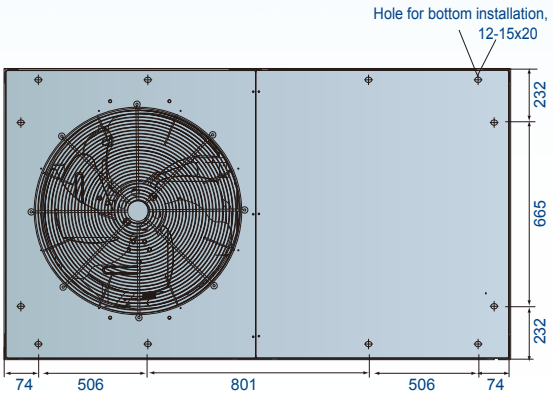
Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(kg)	Gross weight(kg)
MRCT-085CWN1-R(C)	1483x1138x1231	1492x1248x1146	331	342
MRCT-085CWN1-R(D)	1483x1138x1231	1492x1248x1146	302	313
MRC-085HWN1-R(C)	1483x1138x1231	1492x1248x1146	340	350
MRCT-100CWN1-R(C)	1483x1138x1231	1492x1248x1146	335	346
MRCT-100CWN1-R(D)	1483x1138x1231	1492x1248x1146	323	335
MRC-100HWN1-R(C)	1483x1138x1231	1492x1248x1146	343	354

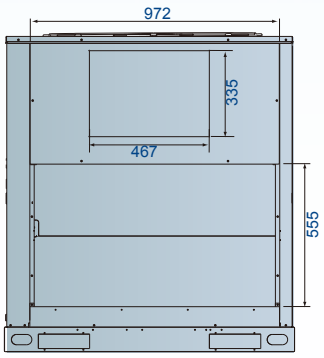
12.5&15ton

Units: mm





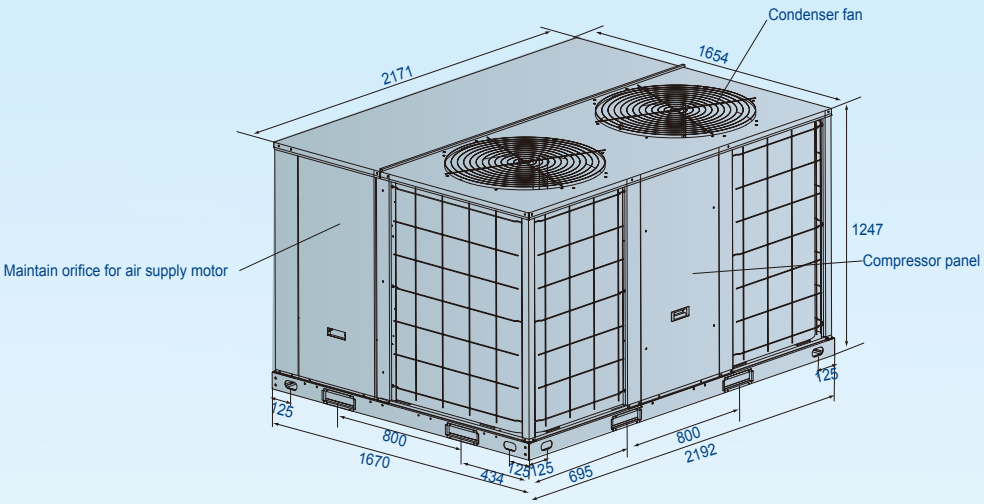


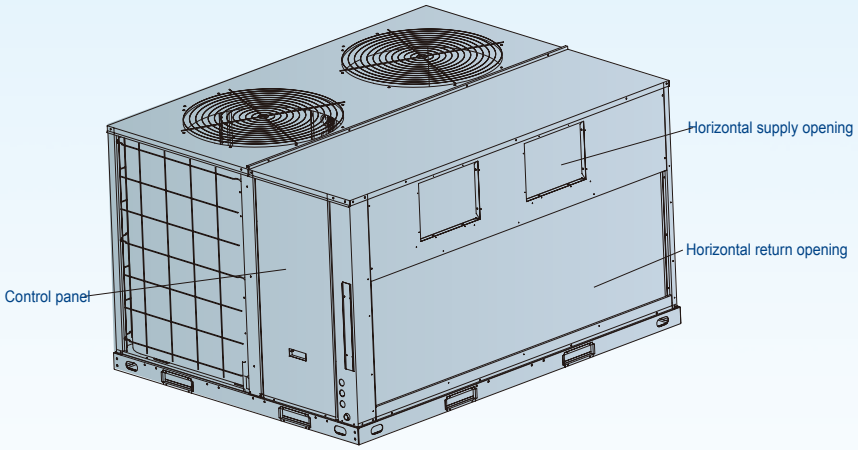


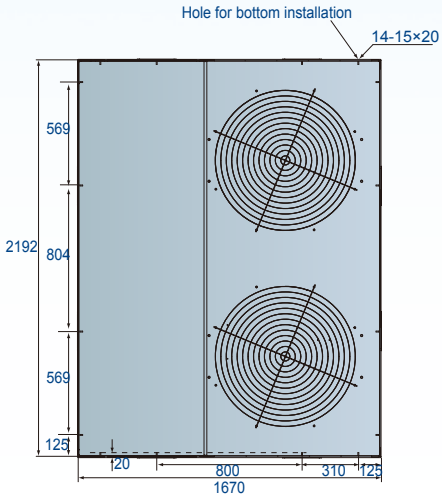
Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(kg)	Gross weight(kg)
MRCT-125CWN1-R(C)	1965x1230x1130	1995x1255x1160	433	453
MRC-125HWN1-R(C)	1965x1230x1130	1995x1255x1160	451	471
MRCT-150CWN1-R(C)	1965x1230x1130	1995x1255x1160	470	490
MRC-150HWN1-R(C)	1965x1230x1130	1995x1255x1160	492	512

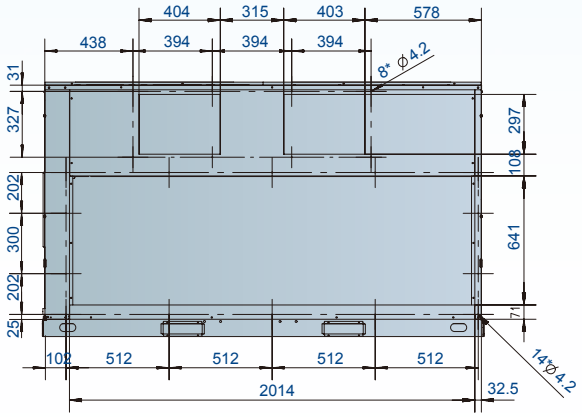
17.5&20ton

Units: mm





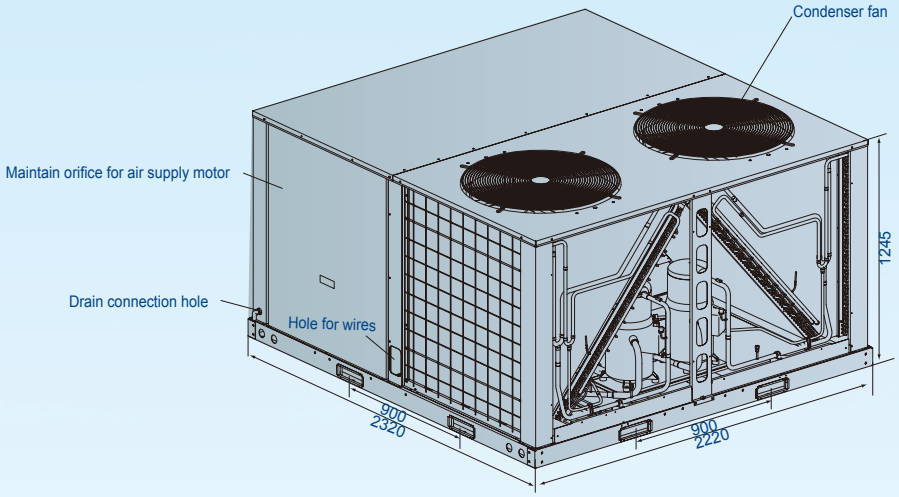


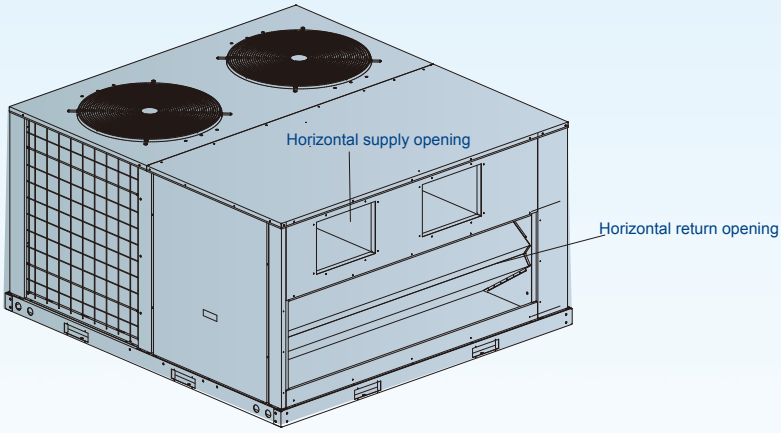


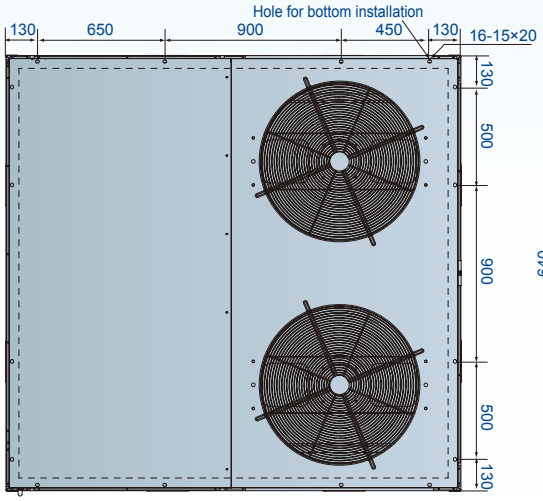
Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(kg)	Gross weight(kg)
MRCT-175CWN1-R(C)	2192x1247x1670	2212x1284x1695	590	620
MRC-175HWN1-R(C)	2192x1247x1670	2212x1284x1695	615	645
MRCT-200CWN1-R(C)	2192x1247x1670	2212x1284x1695	670	700
MRC-200HWN1-R(C)	2192x1247x1670	2212x1284x1695	690	720

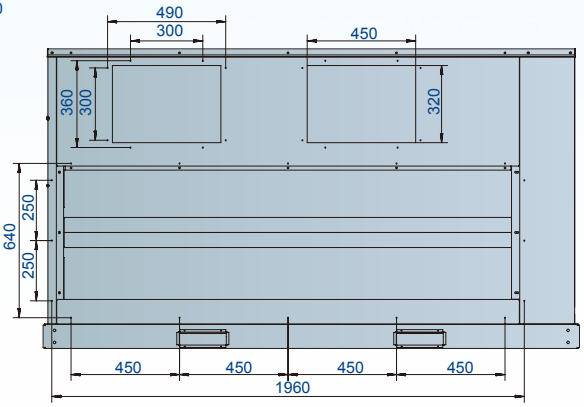
25&30ton

Units: mm









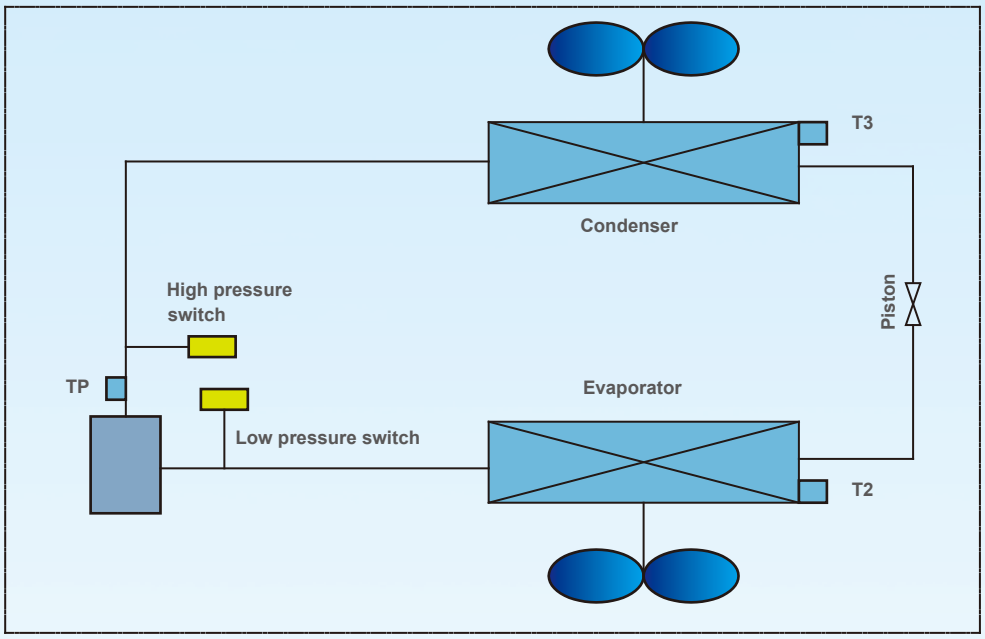
Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(kg)	Gross weight(kg)
MRCT-250CWN1-R(C)	2220x1245x2320	2230x1275x2330	895	925
MRC-250HWN1-R(C)	2220x1245x2320	2230x1275x2330	940	970
MRCT-300CWN1-R(C)	2220x1245x2320	2230x1275x2330	910	940
MRC-300HWN1-R(C)	2220x1245x2320	2230x1275x2330	955	985


Performance data →

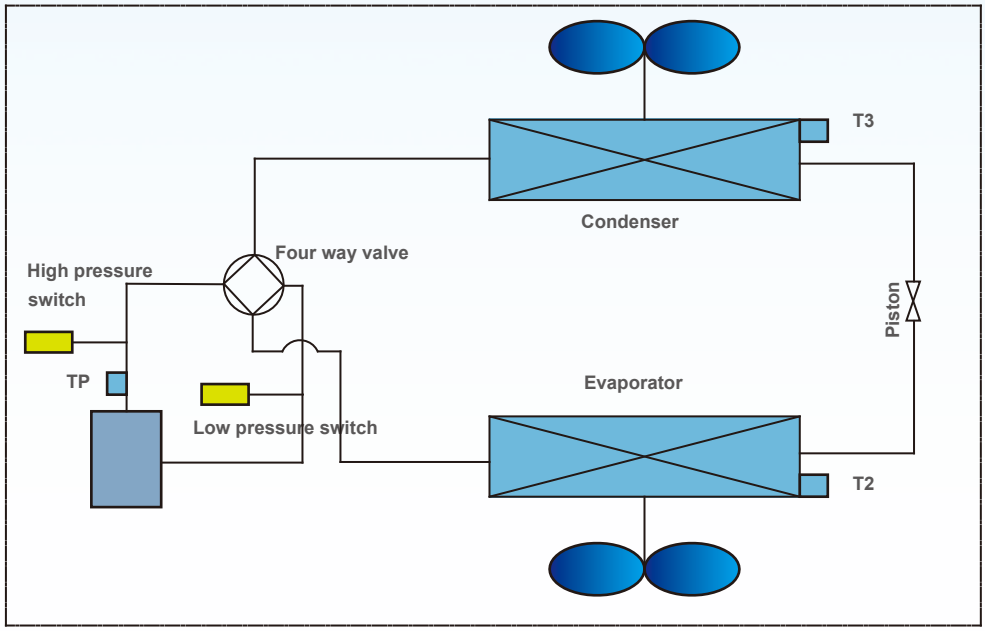
Refrigerant system diagram

6.2&7.5ton

Cooling only type



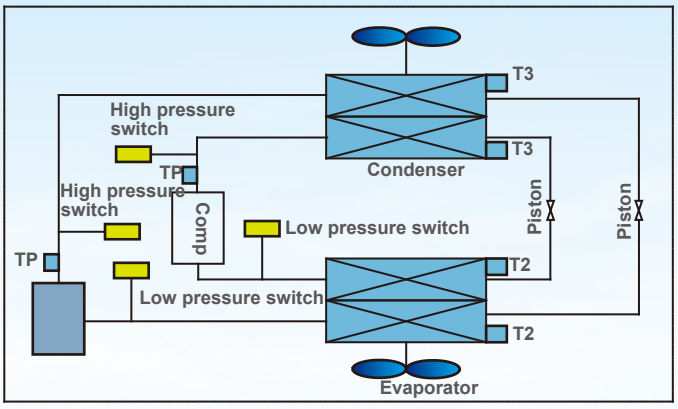
Heat pump type



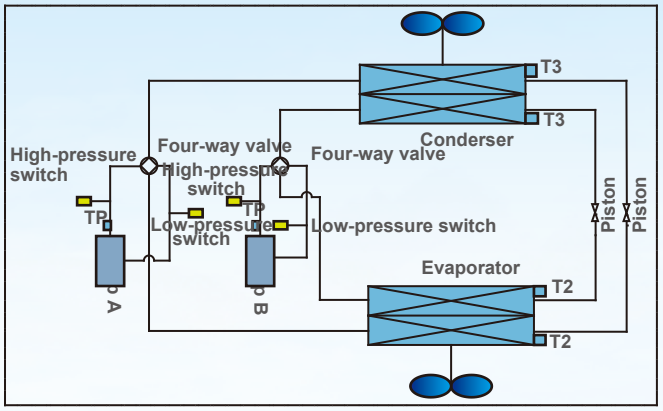
TP: Compressor discharge temperature sensor in system A and B
T2: Indoor coil temperature sensor in system A and B
T3: Outdoor coil temperature sensor in system A and B

8.5, 10, 12.5, 15, 17.5&20ton

Cooling only type

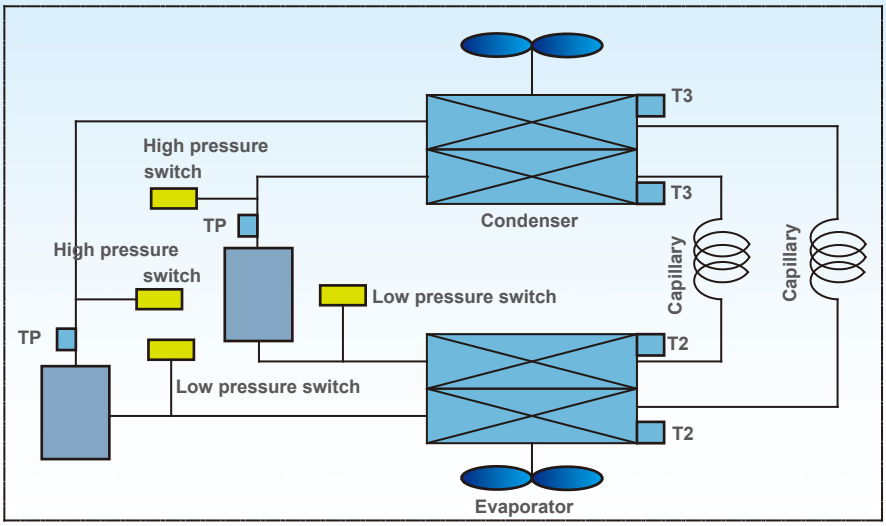


Heat pump type

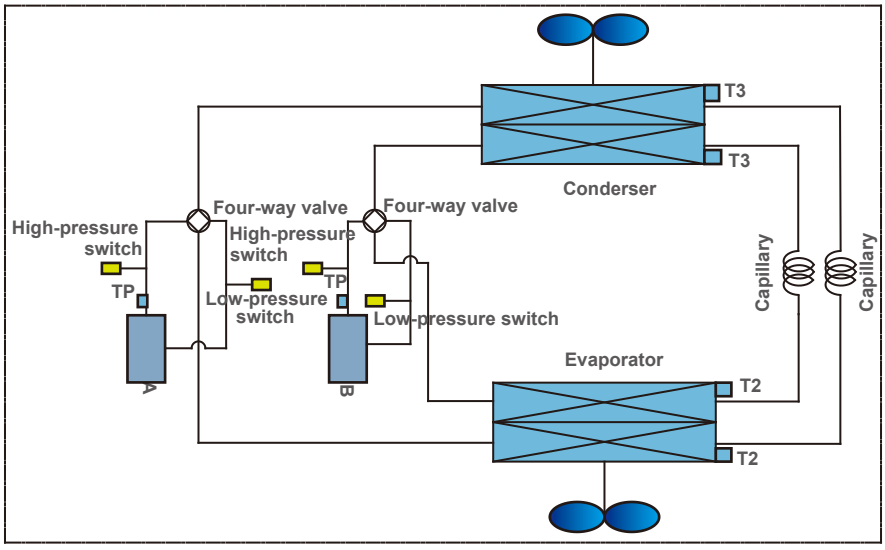


25&30ton

Cooling only type



Heat pump type



TP: Compressor discharge temperature sensor in system A and B
T2: Indoor coil temperature sensor in system A and B
T3: Outdoor coil temperature sensor in system A and B

Capacity table Tropical Application

Cooling capacity for 6.2ton

Air Flow (CFM)				2400				2600				2800			
	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	61.3	62.8	64.0	65.3	65.4	66.8	68.2	69.6	69.5	70.9	72.4	74.0
			SC	53.1	60.3	65.3	66.6	57.1	63.6	67.8	69.6	61.1	66.9	70.2	72.7
			PI	5325.4	5469.4	5710.3	5992.2	5614.7	5758.7	6011.6	6299.6	5904.0	6048.0	6313.0	6606.9
		67	TC	74.9	76.5	78.0	79.7	75.8	77.4	79.0	80.7	76.7	78.4	80.0	81.7
			SC	40.6	50.6	61.8	73.7	42.6	53.8	64.8	75.4	44.7	57.0	67.9	77.1
			PI	6104.2	6279.2	6710.7	7060.7	6170.5	6345.5	6783.1	7133.1	6236.8	6411.8	6855.4	7205.4
		73	TC	78.5	80.2	81.9	83.6	79.0	80.7	82.4	84.1	79.5	81.2	82.9	84.6
			SC	26.3	39.0	47.8	54.6	26.7	38.8	48.1	56.9	27.2	38.5	48.3	59.1
			PI	7524.0	7724.0	8074.0	8467.9	7560.1	7760.1	8110.1	8504.1	7596.3	7796.3	8146.3	8540.3
	95	61	TC	60.1	61.4	62.7	64.0	62.1	63.5	64.8	66.2	64.1	65.5	66.9	68.4
			SC	52.2	57.0	58.9	61.2	54.5	59.6	61.6	64.5	56.8	62.1	64.3	67.8
			PI	6273.9	6452.9	6705.8	6993.8	6418.5	6597.5	6856.5	7150.5	6563.2	6742.2	7007.2	7307.2
		67	TC	66.8	63.9	64.6	66.3	68.0	69.5	71.0	72.4	69.3	75.0	77.3	78.5
			SC	39.2	49.7	60.5	64.2	41.2	52.9	64.6	68.5	43.2	56.1	68.8	72.9
			PI	5975.0	5692.7	6039.1	6407.2	6065.4	6096.5	6491.2	6841.2	6155.8	6500.3	6943.2	7275.1
		73	TC	77.9	79.6	81.3	83.0	78.4	80.0	81.7	83.4	78.8	80.5	82.2	83.9
			SC	25.4	37.2	46.8	56.3	25.8	38.1	48.3	58.6	26.2	38.9	49.8	61.0
			PI	7940.2	8190.2	8697.9	9097.9	7970.3	8220.3	8728.0	9128.0	8000.4	8250.4	8758.1	9158.1
	105	61	TC	54.7	55.8	57.0	58.2	56.6	57.8	59.1	60.3	58.6	59.8	61.1	62.4
			SC	47.7	49.9	51.7	53.1	51.8	53.4	55.9	57.5	55.8	56.9	60.2	61.9
			PI	6367.6	6590.5	6968.1	7256.1	6506.2	6735.2	7112.8	7406.7	6644.8	6879.8	7257.4	7557.4
		67	TC	65.4	66.8	68.2	69.7	67.0	68.5	69.9	71.4	68.6	70.1	71.6	73.1
			SC	36.5	49.6	57.7	65.2	38.8	50.6	62.6	68.6	41.0	51.6	67.5	72.0
			PI	6575.5	6819.4	7197.0	7541.0	6690.0	6934.0	7317.6	7661.6	6804.5	7048.5	7438.1	7782.1
		73	TC	76.3	77.9	79.7	81.2	76.2	77.8	79.5	81.1	76.2	77.8	79.4	81.1
			SC	24.6	35.7	48.7	58.9	24.5	37.0	49.9	60.6	24.5	38.2	51.1	62.3
			PI	8604.0	8884.0	9497.7	9885.7	8597.9	8877.9	9485.7	9879.6	8591.9	8871.9	9473.6	9873.6
	115	61	TC	47.2	48.3	49.4	50.5	48.9	50.0	51.1	52.2	50.5	51.6	52.7	53.9
			SC	48.8	48.5	48.8	51.2	47.1	48.3	49.8	51.6	45.4	48.0	50.8	52.1
			PI	6978.7	7222.6	7440.6	7734.6	7093.2	7337.2	7561.1	7855.1	7207.7	7451.7	7681.7	7975.6
		67	TC	57.0	58.2	59.5	60.9	58.5	59.8	61.1	62.5	60.0	61.4	62.7	64.1
			SC	31.8	42.8	54.9	59.9	34.0	46.1	57.4	61.5	36.3	49.4	59.9	63.1
			PI	7272.4	7599.6	7918.9	8262.9	7380.9	7649.8	8033.5	8377.4	7489.4	7700.1	8148.0	8491.9
		73	TC	74.5	76.1	77.8	79.5	70.4	72.0	73.6	75.2	66.4	67.8	69.3	70.9
			SC	20.5	31.0	43.4	56.8	21.0	32.8	45.4	58.2	21.5	34.6	47.3	59.7
			PI	9130.1	9430.1	10043.9	10449.9	8840.8	9134.8	9742.5	10142.5	8551.5	8839.5	9441.2	9835.2
	118	61	TC	45.4	46.5	47.6	48.7	47.1	48.2	49.3	50.4	48.7	49.8	50.9	52.1
			SC	47.0	46.7	47.0	49.4	45.3	46.5	48.0	49.8	43.6	46.2	49.0	50.3
			PI	7308.7	7552.6	7890.6	8184.6	7423.2	7667.2	8011.1	8305.1	7537.7	7781.7	8131.7	8425.6
		67	TC	56.6	58.2	59.1	60.5	58.1	59.4	60.7	62.1	59.6	60.5	62.3	63.7
			SC	31.4	42.6	54.5	59.5	33.6	45.7	57.0	61.1	35.9	48.9	59.5	62.7
			PI	7308.0	7604.8	7963.5	8308.5	7416.5	7685.5	8078.0	8423.0	7525.0	7766.1	8192.5	8537.6
		73	TC	72.7	74.3	76.0	77.7	68.6	70.2	71.8	73.4	64.6	66.0	67.5	69.1
			SC	18.7	29.2	41.6	55.0	19.2	31.0	43.6	56.4	19.7	32.8	45.5	57.9
			PI	9685.3	10035.3	10649.1	11055.1	9396.0	9740.0	10347.7	10747.7	9106.7	9444.7	10046.4	10440.4
	125	61	TC	42.8	43.8	44.8	45.9	44.3	45.3	46.3	47.4	45.8	46.8	47.8	48.9
			SC	44.3	44.0	44.2	46.4	42.7	43.8	45.1	46.8	41.1	43.5	46.1	47.2
			PI	7813.8	8082.8	8426.7	8720.7	7922.3	8191.3	8535.2	8829.2	8030.8	8299.8	8643.7	8937.7
		67	TC	51.8	52.9	54.1	55.4	53.2	54.4	55.5	56.8	54.5	55.8	57.0	58.2
			SC	28.7	38.8	50.0	54.4	30.7	41.8	52.2	55.9	32.8	44.9	54.4	57.3
			PI	7688.5	7976.4	8414.0	8764.0	7784.9	8078.9	8516.4	8866.4	7881.3	8181.3	8618.9	8968.9
		73	TC	67.8	69.3	70.9	72.4	64.1	65.5	67.0	68.4	60.4	61.7	63.1	64.4
			SC	18.2	28.0	39.2	51.6	18.7	29.6	41.1	52.9	19.2	31.2	42.9	54.3
			PI	10278.5	10684.5	11327.2	11733.3	10013.3	10413.3	11050.0	11450.0	9748.1	10142.1	10772.8	11166.7

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table,need to adjust in the field

Cooling capacity for 7.5ton

Air Flow (CFM)				2400				2600				2830			
	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	72.8	74.6	76.1	77.8	77.6	79.4	81.1	82.9	82.4	84.2	86.1	88.0
			SC	63.1	71.7	77.7	76.5	67.8	75.6	80.6	81.5	72.5	79.5	83.5	86.5
			PI	6775.5	6920.6	7165.9	7451.2	7012.8	7157.9	7413.1	7703.3	7250.1	7395.2	7660.3	7955.5
		67	TC	88.8	90.8	92.7	94.8	89.9	91.9	93.9	96.0	91.0	93.0	95.1	97.2
			SC	48.3	60.2	73.5	87.7	50.7	64.0	77.1	89.7	53.1	67.8	80.7	91.7
			PI	7405.6	7580.7	7986.6	8336.7	7460.0	7635.1	8045.9	8396.0	7514.3	7689.4	8105.3	8455.4
		73	TC	93.1	95.2	97.3	99.4	93.7	95.8	97.9	100.0	94.3	96.4	98.5	100.6
			SC	31.4	46.5	57.0	65.1	31.9	46.2	57.3	67.8	32.4	45.9	57.6	70.5
			PI	8464.7	8664.8	9014.9	9410.1	8494.4	8694.5	9044.6	9439.8	8524.1	8724.2	9074.3	9469.4
	95	61	TC	71.3	73.0	74.6	76.2	73.7	75.4	77.1	78.8	76.1	77.8	79.6	81.4
			SC	62.0	67.8	70.1	72.9	64.7	70.8	73.3	76.8	67.4	73.8	76.5	80.7
			PI	7457.3	7637.5	7892.7	8182.9	7576.0	7756.1	8016.3	8311.4	7694.6	7874.8	8139.9	8440.0
		67	TC	79.2	76.0	76.9	79.0	80.7	82.5	84.4	86.2	82.2	89.0	91.9	93.4
			SC	46.6	59.2	72.0	76.5	49.0	62.9	76.9	81.6	51.4	66.6	81.8	86.7
			PI	7223.0	7288.3	7359.1	7724.0	7297.2	7494.3	7729.9	8080.0	7371.3	7700.2	8100.7	8435.9
		73	TC	92.4	94.5	96.6	98.7	92.9	95.0	97.1	99.2	93.4	95.5	97.6	99.7
			SC	30.3	44.4	55.8	67.1	30.8	45.4	57.6	69.9	31.3	46.4	59.4	72.7
			PI	8906.2	9156.3	9631.9	10032.0	8930.9	9181.0	9656.6	10056.7	8955.7	9205.8	9681.4	10081.5
	105	61	TC	64.9	66.3	67.9	69.4	67.2	68.7	70.3	71.9	69.5	71.1	72.7	74.4
			SC	56.7	59.4	61.6	63.4	61.5	63.5	66.6	68.6	66.3	67.6	71.6	73.8
			PI	7636.9	7862.2	8213.0	8503.2	7750.7	7980.8	8331.7	8626.8	7864.4	8099.5	8450.3	8750.4
		67	TC	77.6	79.4	81.1	83.0	79.5	81.3	83.1	85.0	81.4	83.2	85.1	87.0
			SC	43.4	59.0	68.7	77.7	46.1	60.2	74.5	81.7	48.8	61.4	80.3	85.7
			PI	7823.2	8068.3	8419.2	8764.4	7917.1	8162.3	8518.1	8863.2	8011.0	8256.2	8617.0	8962.1
		73	TC	90.5	92.5	94.7	96.6	90.4	92.4	94.5	96.5	90.3	92.3	94.3	96.4
			SC	29.4	42.6	58.1	70.2	29.3	44.1	59.5	72.2	29.2	45.6	60.9	74.2
			PI	9655.2	9935.3	10515.9	10906.1	9650.3	9930.4	10506.0	10901.1	9645.3	9925.4	10496.1	10896.2
	115	61	TC	52.8	54.2	55.5	57.0	54.7	56.1	57.5	59.0	56.6	58.0	59.5	61.0
			SC	54.6	54.4	54.8	57.8	52.6	54.1	56.0	58.3	50.6	53.8	57.2	58.8
			PI	8213.5	8458.6	8678.9	8974.0	8307.4	8552.6	8777.7	9072.9	8401.4	8646.5	8876.6	9171.8
		67	TC	64.3	65.8	67.5	69.2	66.1	67.7	69.4	71.1	67.9	69.6	71.3	73.0
			SC	34.5	47.7	62.1	68.0	37.2	51.6	65.0	69.9	39.9	55.5	67.9	71.8
			PI	8247.1	8512.3	8868.1	9213.3	8336.1	8606.2	8962.1	9307.2	8425.1	8700.2	9056.0	9401.2
		73	TC	85.0	87.0	89.1	91.2	80.2	82.1	84.1	86.1	75.4	77.2	79.1	81.0
			SC	21.2	33.7	48.5	64.4	21.8	35.8	50.8	66.1	22.4	37.9	53.1	67.8
			PI	9958.8	10258.9	10839.4	11244.5	9721.5	10016.7	10592.2	10992.3	9484.2	9774.4	10345.1	10740.2
	118	61	TC	51.8	53.2	54.5	56.0	53.7	55.1	56.5	58.0	55.6	57.0	58.5	60.0
			SC	53.6	53.4	53.8	56.8	51.6	53.1	55.0	57.3	49.6	52.8	56.2	57.8
			PI	8543.5	8788.6	9128.9	9424.0	8637.4	8882.6	9227.7	9522.9	8731.4	8976.5	9326.6	9621.8
		67	TC	63.8	64.6	66.8	68.4	65.6	67.1	68.7	70.3	67.4	69.6	70.6	72.2
			SC	34.0	47.3	61.4	67.2	36.7	51.0	64.3	69.1	39.4	54.7	67.2	71.0
			PI	8546.8	8832.9	9175.7	9519.1	8635.8	8906.0	9269.6	9613.0	8724.8	8979.0	9363.6	9707.0
		73	TC	84.0	86.0	88.1	90.2	79.2	81.1	83.1	85.1	74.4	76.2	78.1	80.0
			SC	20.2	32.7	47.5	63.4	20.8	34.8	49.8	65.1	21.4	36.9	52.1	66.8
			PI	10606.6	10956.7	11537.2	11942.2	10369.3	10714.4	11290.0	11690.1	10131.9	10472.2	11042.8	11438.0
	125	61	TC	47.5	48.8	50.1	51.5	49.3	50.6	51.9	53.3	51.1	52.4	53.7	55.1
			SC	49.3	49.1	49.4	52.1	47.4	48.8	50.5	52.6	45.5	48.5	51.6	53.1
			PI	9043.2	9313.4	9658.5	9953.7	9132.2	9402.4	9747.5	10042.7	9221.2	9491.3	9836.5	10131.7
		67	TC	58.2	59.6	61.1	62.7	59.8	61.3	62.8	64.4	61.4	63.0	64.5	66.1
			SC	30.9	42.9	56.2	61.6	33.3	46.5	58.8	63.3	35.7	50.1	61.4	65.0
			PI	8907.4	9197.7	9604.6	9954.7	8986.5	9281.7	9688.7	10038.8	9065.6	9365.7	9772.7	10122.8
		73	TC	77.1	79.0	80.9	82.8	72.7	74.5	76.3	78.1	68.3	70.0	71.7	73.4
			SC	18.5	30.1	43.5	58.2	19.1	32.0	45.7	59.8	19.7	33.9	47.9	61.4
			PI	11294.4	11699.5	12310.1	12715.1	11076.9	11477.0	12082.6	12482.7	10859.4	11254.5	11855.2	12250.4

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table,need to adjust in the field

Cooling capacity for 8.5ton

Air Flow (CFM)				3000				3250				3500			
	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	86.6	88.5	90.5	92.5	89.1	91.0	93.1	95.2	91.5	93.6	95.7	97.8
			SC	71.5	73.0	74.8	76.5	77.0	78.7	80.5	82.3	82.5	84.4	86.3	88.2
			PI	8302.6	8445.9	8707.6	9001.0	8400.4	8547.1	8808.9	9105.6	8498.3	8648.4	8910.1	9210.2
		67	TC	98.7	101.0	103.2	105.6	99.8	102.0	104.3	106.6	100.8	103.0	105.3	107.6
			SC	54.7	71.0	83.2	98.1	56.7	73.0	87.0	101.3	58.8	74.9	90.9	104.4
			PI	8784.5	8959.6	9207.0	9557.1	8825.0	9000.1	9247.5	9597.6	8865.5	9040.6	9288.0	9638.1
		73	TC	103.3	105.6	107.9	110.2	103.6	106.0	108.3	110.6	104.0	106.3	108.6	111.0
			SC	34.4	49.0	61.1	74.8	34.9	49.7	62.4	76.0	35.4	50.5	63.8	77.2
			PI	9502.6	9702.7	10052.8	10446.1	9516.1	9716.2	10066.3	10463.0	9529.6	9729.7	10079.8	10479.9
	95	61	TC	79.5	81.4	83.2	85.0	82.1	84.0	85.9	87.8	84.8	86.7	88.7	90.6
			SC	67.9	69.5	71.0	72.7	73.5	75.2	76.8	78.6	79.0	80.8	82.7	84.6
			PI	8637.6	8819.3	9077.7	9367.7	8742.2	8923.9	9185.6	9479.0	8846.8	9028.5	9293.6	9590.3
		67	TC	92.5	92.8	95.8	98.8	95.7	97.9	100.1	102.3	99.0	103.0	104.3	105.8
			SC	51.7	66.8	82.7	99.3	54.7	71.1	87.3	100.1	57.7	75.4	91.9	100.8
			PI	8508.3	8601.8	8890.3	9233.7	8636.5	8800.9	9059.0	9372.0	8764.7	9000.0	9227.7	9510.4
		73	TC	102.4	104.7	107.0	109.4	102.7	104.9	107.3	109.7	102.9	105.2	107.5	109.9
			SC	32.9	49.0	61.7	74.6	33.7	50.2	64.1	78.1	34.5	51.3	66.5	81.6
			PI	10064.0	10310.8	10621.8	11025.3	10074.2	10320.9	10631.9	11035.4	10084.3	10331.0	10642.0	11045.5
	105	61	TC	72.2	73.8	75.5	77.3	75.0	76.7	78.5	80.3	77.8	79.6	81.5	83.3
			SC	64.3	65.8	67.4	68.9	69.9	71.6	73.2	74.9	75.6	77.3	79.1	80.9
			PI	8967.7	9196.1	9380.1	9676.9	9079.1	9310.8	9498.2	9795.0	9190.4	9425.5	9616.3	9913.0
		67	TC	86.3	88.2	90.3	92.4	88.5	90.5	92.6	94.7	90.8	92.8	94.9	97.0
			SC	48.8	63.3	78.3	91.4	51.9	68.2	85.0	93.4	55.1	73.0	91.7	95.4
			PI	9225.3	9468.7	9659.4	10006.2	9313.0	9559.8	9750.5	10097.3	9400.8	9650.9	9841.6	10188.4
		73	TC	99.4	101.7	103.9	106.2	100.1	102.4	104.6	106.9	100.8	103.0	105.3	107.6
			SC	31.2	46.2	59.9	73.9	32.0	48.3	63.6	78.6	32.7	50.3	67.3	83.2
			PI	10661.9	10942.0	11349.7	11749.8	10688.9	10969.0	11376.7	11776.8	10715.9	10996.0	11403.7	11803.8
	115	61	TC	60.4	61.9	63.5	65.1	62.9	64.4	66.1	67.7	65.4	67.0	68.6	70.4
			SC	60.0	61.6	63.1	64.7	61.4	63.0	64.5	66.2	62.8	64.3	66.0	67.6
			PI	9314.2	9557.6	9784.3	10077.6	9412.1	9658.8	9885.5	10182.2	9509.9	9760.0	9986.7	10286.8
		67	TC	74.1	74.4	77.7	79.6	75.7	77.5	79.4	81.3	77.4	80.7	81.2	83.1
			SC	40.1	56.0	73.9	75.6	43.3	60.3	76.6	78.4	46.6	64.6	79.4	81.3
			PI	9819.6	10210.6	10275.4	10622.1	9883.7	10155.5	10342.9	10689.6	9947.8	10100.3	10410.3	10757.1
		73	TC	90.3	92.5	94.5	96.8	91.1	93.2	95.4	97.6	91.8	94.0	96.2	98.5
			SC	24.5	39.1	54.2	69.2	25.1	41.5	57.8	73.8	25.7	43.9	61.4	78.4
			PI	10834.0	11134.1	11538.4	11938.5	10864.4	11164.5	11572.1	11972.2	10894.7	11194.8	11605.9	12006.0
	118	61	TC	58.3	59.8	61.4	63.0	60.8	62.3	64.0	65.6	63.3	64.9	66.5	68.3
			SC	57.9	59.5	61.0	62.6	59.3	60.9	62.4	64.1	60.7	62.2	63.9	65.5
			PI	9644.2	9887.6	10234.3	10527.6	9742.1	9988.8	10335.5	10632.2	9839.9	10090.0	10436.7	10736.8
		67	TC	73.9	74.2	77.5	79.4	75.5	77.3	79.2	81.1	77.2	80.5	81.0	82.9
			SC	39.9	55.8	73.7	75.4	43.1	60.1	76.4	78.2	46.4	64.4	79.2	81.1
			PI	9839.3	10082.2	10976.2	11322.1	9903.4	10175.1	11043.7	11389.6	9967.5	10268.1	11111.2	11457.1
		73	TC	88.2	90.4	92.4	94.7	89.0	91.1	93.3	95.5	89.7	91.9	94.1	96.4
			SC	22.4	37.0	52.1	67.1	23.0	39.4	55.7	71.7	23.6	41.8	59.3	76.3
			PI	11395.3	11745.4	12149.7	12549.8	11425.7	11775.8	12183.5	12583.6	11456.1	11806.2	12217.2	12617.3
	125	61	TC	54.0	55.3	56.6	58.2	56.2	57.6	59.0	60.6	58.4	59.9	61.4	63.0
			SC	53.5	54.9	56.4	57.8	54.8	56.2	57.7	59.1	56.1	57.5	59.0	60.5
			PI	10149.6	10414.6	10741.0	11058.0	10237.3	10505.7	10835.5	11152.5	10325.0	10596.8	10930.0	11247.0
		67	TC	66.4	66.1	69.2	71.3	67.8	69.5	71.2	72.9	69.3	72.9	73.3	74.6
			SC	35.4	49.9	66.2	67.9	38.4	53.8	68.6	70.4	41.4	57.7	71.1	72.9
			PI	10150.6	10363.0	11341.4	11705.0	10208.0	10497.9	11422.4	11769.1	10265.3	10632.9	11503.4	11833.2
		73	TC	81.1	82.9	84.9	87.0	81.8	83.7	85.7	87.8	82.5	84.5	86.5	88.5
			SC	21.3	34.5	48.2	61.9	21.8	36.7	51.5	66.1	22.3	39.0	54.8	70.3
			PI	12016.8	12410.2	12852.8	13256.3	12043.8	12440.5	12883.2	13286.6	12070.8	12470.9	12913.5	13317.0

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table,need to adjust in the field

Cooling capacity for 10ton

Air Flow (CFM)				3500				3800				4100			
	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	103.6	106.0	108.4	110.7	106.6	109.0	111.4	113.7	109.6	112.0	114.4	116.7
			SC	89.5	91.6	93.7	95.7	92.5	94.6	96.7	98.7	95.5	97.6	99.7	101.7
			PI	9115.8	9427.3	9784.5	10298.9	9374.6	9686.2	10043.3	10557.7	9633.5	9945.0	10302.2	10816.6
		67	TC	116.1	118.8	121.4	124.0	119.1	121.8	124.4	127.0	122.1	124.8	127.4	130.0
			SC	65.9	84.9	101.3	117.8	68.9	87.9	104.3	120.8	71.9	90.9	107.3	123.8
			PI	10196.6	10531.8	10906.2	11439.2	10455.4	10790.6	11165.0	11698.0	10714.3	11049.5	11423.9	11956.9
		73	TC	120.6	123.4	126.1	128.7	123.6	126.4	129.1	131.7	126.6	129.4	132.1	134.7
			SC	40.4	57.8	72.6	88.3	43.4	60.8	75.6	91.3	46.4	63.8	78.6	94.3
			PI	10578.5	10928.7	11311.7	11853.1	10837.3	11187.5	11570.6	12111.9	11096.2	11446.4	11829.4	12370.8
	95	61	TC	95.5	97.8	100.0	102.1	98.5	100.8	103.0	105.1	101.5	103.8	106.0	108.1
			SC	85.4	87.5	89.4	91.4	88.4	90.5	92.4	94.4	91.4	93.5	95.4	97.4
			PI	8494.5	8814.7	9240.9	9755.3	8753.4	9073.6	9499.7	10014.1	9012.2	9332.4	9758.6	10273.0
		67	TC	111.4	114.0	116.5	119.0	114.4	117.0	119.5	122.0	117.4	120.0	122.5	125.0
			SC	63.5	82.7	101.6	116.4	66.5	85.7	104.6	119.4	69.5	88.7	107.6	122.4
			PI	9848.5	10022.5	10454.6	11065.2	10107.4	10261.4	10713.4	11324.1	10366.2	10500.2	10972.3	11582.9
		73	TC	119.5	122.2	124.9	127.6	122.5	125.2	127.9	130.6	125.5	128.2	130.9	133.6
			SC	39.0	58.3	74.5	90.8	42.0	61.3	77.5	93.8	45.0	64.3	80.5	96.8
			PI	10569.8	10920.0	11389.4	11939.4	10828.7	11178.9	11648.2	12198.2	11087.6	11437.8	11907.1	12457.1
	105	61	TC	87.2	89.3	91.3	93.3	90.2	92.3	94.3	96.3	93.2	95.3	97.3	99.3
			SC	81.3	83.3	85.2	87.0	84.3	86.3	88.2	90.0	87.3	89.3	91.2	93.0
			PI	9806.0	10117.6	10457.5	10980.5	10064.9	10376.5	10716.4	11239.4	10323.7	10635.3	10975.2	11498.2
		67	TC	103.0	105.4	107.8	110.1	106.0	108.4	110.8	113.1	109.0	111.4	113.8	116.1
			SC	60.3	79.3	98.9	108.6	63.3	82.3	101.9	111.6	66.3	85.3	104.9	114.6
			PI	11180.2	11506.8	11881.2	12414.2	11439.1	11765.6	12140.0	12673.0	11697.9	12024.5	12398.9	12931.9
		73	TC	116.5	119.2	121.8	124.4	119.5	122.2	124.8	127.4	122.5	125.2	127.8	130.4
			SC	37.0	56.1	74.0	91.3	40.0	59.1	77.0	94.3	43.0	62.1	80.0	97.3
			PI	12347.3	12697.5	13089.2	13639.2	12606.2	12956.4	13348.0	13898.0	12865.0	13215.2	13606.9	14156.9
	115	61	TC	77.0	78.9	80.8	82.6	80.0	81.9	83.8	85.6	83.0	84.9	86.8	88.6
			SC	75.3	77.2	79.0	80.8	78.3	80.2	82.0	83.8	81.3	83.2	85.0	86.8
			PI	10435.3	10746.9	11242.1	11756.5	10694.2	11005.7	11500.9	12015.3	10953.0	11264.6	11759.8	12274.2
		67	TC	92.0	94.2	96.4	98.5	95.0	97.2	99.4	101.5	98.0	100.2	102.4	104.5
			SC	54.2	74.1	93.1	95.1	57.2	77.1	96.1	98.1	60.2	80.1	99.1	101.1
			PI	11802.4	11982.3	12503.4	13036.4	12061.3	12241.2	12762.3	13295.3	12320.1	12500.0	13021.1	13554.1
		73	TC	109.9	112.5	115.0	117.5	112.9	115.5	118.0	120.5	115.9	118.5	121.0	123.5
			SC	32.9	52.2	71.1	89.7	35.9	55.2	74.1	92.7	38.9	58.2	77.1	95.7
			PI	13295.8	13646.0	14193.0	14743.0	13554.7	13904.9	14451.9	15001.9	13813.5	14163.7	14710.7	15260.7
	118	61	TC	74.8	76.7	78.6	80.4	77.8	79.7	81.6	83.4	80.8	82.7	84.6	86.4
			SC	73.1	75.0	76.8	78.6	76.1	78.0	79.8	81.6	79.1	81.0	82.8	84.6
			PI	10556.1	10867.7	11363.7	11878.0	10815.0	11126.5	11622.5	12136.9	11073.8	11385.4	11881.4	12395.7
		67	TC	90.2	92.4	94.6	96.7	93.2	95.4	97.6	99.7	96.2	98.4	100.6	102.7
			SC	52.4	72.3	91.3	93.3	55.4	75.3	94.3	96.3	58.4	78.3	97.3	99.3
			PI	12042.5	12302.4	12744.2	13276.4	12301.3	12481.2	13003.1	13535.3	12560.2	12660.0	13261.9	13794.1
		73	TC	107.7	110.3	112.8	115.3	110.7	113.3	115.8	118.3	113.7	116.3	118.8	121.3
			SC	30.7	50.0	68.9	87.5	33.7	53.0	71.9	90.5	36.7	56.0	74.9	93.5
			PI	13416.6	13766.8	14314.6	14864.6	13675.5	14025.7	14573.4	15123.4	13934.3	14284.5	14832.3	15382.3
	125	61	TC	69.2	70.9	72.6	74.3	72.2	73.9	75.6	77.3	75.2	76.9	78.6	80.3
			SC	67.6	69.3	71.0	72.6	70.6	72.3	74.0	75.6	73.6	75.3	77.0	78.6
			PI	11462.1	11773.7	12260.2	12783.2	11720.9	12032.5	12519.1	13042.1	11979.8	12291.4	12778.0	13301.0
		67	TC	82.8	84.8	86.8	88.7	85.8	87.8	89.8	91.7	88.8	90.8	92.8	94.7
			SC	48.4	66.5	83.8	85.7	51.4	69.5	86.8	88.7	54.4	72.5	89.8	91.7
			PI	12836.3	12973.0	13485.5	14061.6	13095.1	13231.9	13744.3	14320.5	13354.0	13490.7	14003.2	14579.3
		73	TC	99.1	101.4	103.7	106.0	102.1	104.4	106.7	109.0	105.1	107.4	109.7	112.0
			SC	29.1	46.6	63.8	80.7	32.1	49.6	66.8	83.7	35.1	52.6	69.8	86.7
			PI	14063.8	14405.3	14943.7	15493.7	14322.6	14664.2	15202.5	15752.5	14581.5	14923.0	15461.4	16011.4

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table,need to adjust in the field

Cooling capacity for 12.5ton

Air Flow (CFM)				4000				5000				5500			
	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	127.3	129.8	132.7	135.3	130.8	133.4	136.3	139.0	134.3	137.0	139.9	142.8
			SC	106.2	108.2	110.6	112.9	113.9	116.1	118.6	121.0	121.5	124.1	126.7	129.2
			PI	10063.2	10360.5	10811.1	11311.4	10392.2	10700.9	11151.5	11663.2	10721.3	11041.3	11492.0	12015.0
		67	TC	144.3	147.3	150.4	153.6	145.8	148.8	151.9	155.0	147.2	150.2	153.3	156.4
			SC	82.7	105.3	122.4	143.1	85.5	108.1	127.8	147.6	88.4	110.9	133.2	152.0
			PI	11682.2	12017.2	12490.6	13023.6	11818.4	12153.4	12626.7	13159.7	11954.6	12289.6	12762.9	13295.9
		73	TC	150.7	153.8	157.0	160.0	151.2	154.3	157.5	160.6	151.7	154.8	158.0	161.2
			SC	54.2	74.5	91.4	110.5	54.9	75.6	93.3	112.2	55.7	76.7	95.2	113.8
			PI	12280.0	12630.0	13114.7	13642.0	12325.4	12675.4	13160.1	13698.7	12370.8	12720.8	13205.5	13755.5
	95	61	TC	117.3	119.9	122.4	124.8	121.1	123.6	126.2	128.7	124.8	127.3	130.0	132.7
			SC	101.1	103.3	105.3	107.6	108.9	111.2	113.5	115.9	116.7	119.1	121.6	124.2
			PI	10131.7	10440.4	11072.6	11561.6	10483.5	10792.2	11435.7	11936.0	10835.3	11144.0	11798.9	12310.5
		67	TC	135.6	136.0	140.0	144.1	140.1	143.0	146.0	149.0	144.7	150.0	152.0	153.9
			SC	78.5	99.5	121.6	144.8	82.7	105.5	128.1	145.9	86.9	111.4	134.6	147.0
			PI	11768.6	11661.0	12440.7	12951.0	12199.8	12330.5	13008.1	13416.3	12631.0	13000.0	13575.5	13881.5
		73	TC	149.5	152.5	155.7	159.0	149.9	152.9	156.1	159.3	150.2	153.2	156.4	159.7
			SC	52.2	74.6	92.2	110.2	53.3	76.2	95.6	115.2	54.3	77.7	99.0	120.1
			PI	13188.3	13527.0	14227.3	14788.6	13222.4	13561.0	14261.3	14822.7	13256.4	13595.1	14295.4	14856.7
	105	61	TC	107.1	109.3	111.6	114.0	111.1	113.4	115.8	118.2	115.1	117.5	120.0	122.4
			SC	96.1	98.1	100.3	102.2	104.0	106.2	108.4	110.6	111.9	114.2	116.6	119.0
			PI	11661.8	11959.1	12387.0	12898.7	12036.3	12344.9	12784.2	13295.9	12410.7	12730.7	13181.4	13693.0
		67	TC	126.9	129.5	132.3	135.1	130.1	132.7	135.6	138.3	133.2	135.9	138.8	141.6
			SC	74.4	94.5	115.5	133.8	78.8	101.4	124.9	136.5	83.3	108.2	134.2	139.3
			PI	13553.2	13865.5	14350.2	14871.9	13848.3	14171.9	14656.6	15178.2	14143.3	14478.3	14963.0	15484.6
		73	TC	145.3	148.3	151.4	154.5	146.3	149.3	152.4	155.5	147.2	150.2	153.3	156.4
			SC	49.8	70.7	89.8	109.3	50.9	73.5	95.0	115.8	51.9	76.4	100.2	122.2
			PI	15297.1	15647.1	16154.5	16704.5	15387.9	15737.9	16245.3	16795.3	15478.7	15828.7	16336.1	16886.1
	115	61	TC	97.1	99.0	101.3	103.3	100.6	102.6	104.9	107.0	104.0	106.2	108.5	110.7
			SC	96.6	98.6	100.7	102.8	98.5	100.6	102.7	104.9	100.4	102.5	104.7	106.9
			PI	13281.6	13578.9	14018.2	14518.5	13610.7	13919.3	14358.6	14870.3	13939.7	14259.7	14699.0	15222.0
		67	TC	116.3	116.5	121.2	123.7	118.6	121.0	123.6	126.1	120.8	125.4	126.0	128.5
			SC	68.6	90.8	115.8	118.1	73.2	96.8	119.6	122.0	77.8	102.8	123.5	126.0
			PI	14941.3	15060.6	15726.9	16248.5	15156.9	15480.5	15953.9	16475.5	15372.5	15900.4	16180.8	16702.5
		73	TC	139.0	141.8	144.7	147.7	140.0	142.9	145.9	148.9	141.1	144.0	147.1	150.1
			SC	46.8	67.2	88.2	109.1	47.6	70.6	93.2	115.5	48.5	73.9	98.3	122.0
			PI	17280.0	17630.0	18126.1	18676.1	17382.1	17732.1	18239.5	18789.5	17484.3	17834.3	18353.0	18903.0
	118	61	TC	93.6	95.5	97.8	99.8	97.1	99.1	101.4	103.5	100.5	102.7	105.0	107.2
			SC	93.1	95.1	97.2	99.3	95.0	97.1	99.2	101.4	96.9	99.0	101.2	103.4
			PI	13342.3	13639.6	14116.9	14617.2	13671.4	13980.0	14457.3	14969.0	14000.5	14320.5	14797.8	15320.8
		67	TC	115.4	115.7	120.3	122.8	117.7	120.1	122.7	125.2	119.9	124.4	125.1	127.6
			SC	67.7	90.1	114.9	117.2	72.3	95.9	118.7	121.1	76.9	101.8	122.6	125.1
			PI	15140.8	15268.0	15964.5	16484.0	15356.4	15680.1	16191.4	16710.9	15572.1	16092.2	16418.4	16937.9
		73	TC	135.5	138.3	141.2	144.2	136.5	139.4	142.4	145.4	137.6	140.5	143.6	146.6
			SC	43.3	63.7	84.7	105.6	44.1	67.1	89.7	112.0	45.0	70.4	94.8	118.5
			PI	17058.7	17408.7	17942.8	18492.8	17160.9	17510.9	18056.3	18606.3	17263.0	17613.0	18169.7	18719.7
	125	61	TC	88.1	89.8	91.7	93.7	91.2	93.0	95.0	97.1	94.3	96.2	98.4	100.4
			SC	87.5	89.3	91.3	93.1	89.3	91.1	93.1	95.0	91.1	92.9	94.9	96.9
			PI	14620.6	14906.6	15393.0	15972.8	14915.6	15213.0	15710.8	16290.5	15210.7	15519.3	16028.5	16608.2
		67	TC	105.5	104.9	109.2	112.1	107.5	109.7	112.1	114.3	109.6	114.5	114.9	116.6
			SC	62.0	82.2	105.0	107.3	66.2	87.7	108.5	110.7	70.4	93.2	111.9	114.2
			PI	16296.4	16336.4	17049.8	17628.2	16489.3	16790.3	17322.1	17843.8	16682.2	17244.2	17594.5	18059.4
		73	TC	126.1	128.5	131.3	134.0	127.1	129.6	132.3	135.1	128.0	130.7	133.4	136.2
			SC	42.4	60.7	79.9	98.9	43.1	63.8	84.5	104.7	43.8	67.0	89.0	110.6
			PI	18244.6	18571.9	19137.8	19699.1	18335.4	18674.0	19239.9	19801.3	18426.1	18776.1	19342.0	19903.4

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table,need to adjust in the field

Cooling capacity for 15ton

Air Flow (CFM)				6000				6500				7000			
	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	159.1	159.6	166.9	176.9	163.5	165.6	173.0	182.9	167.9	171.6	179.1	188.9
			SC	124.2	146.0	158.5	167.8	131.4	155.8	166.1	175.5	138.6	165.6	173.7	183.2
			PI	14891.6	15171.7	15852.1	16075.2	15041.6	15321.7	16002.1	16225.2	15191.6	15471.7	16152.1	16375.2
		67	TC	177.8	181.0	184.2	188.2	183.2	185.5	187.7	190.4	188.6	190.0	191.2	192.6
			SC	100.0	122.9	142.6	165.8	104.6	127.8	149.9	173.1	109.2	132.7	157.2	180.4
			PI	15238.1	15518.2	16148.6	16371.7	15388.1	15668.2	16298.6	16521.7	15538.1	15818.2	16448.6	16671.7
		73	TC	191.3	196.1	197.5	200.1	193.5	197.3	199.9	202.4	195.7	198.5	202.3	204.7
			SC	70.7	94.6	114.5	134.4	72.1	96.8	117.1	136.6	73.5	99.0	119.7	138.8
			PI	15738.1	16018.2	16648.6	16871.7	15888.1	16168.2	16798.6	17021.7	16038.1	16318.2	16948.6	17171.7
	95	61	TC	151.4	152.2	157.4	169.6	153.3	157.1	164.6	175.6	155.2	162.0	171.8	181.6
			SC	117.8	142.5	152.5	164.4	125.2	149.8	159.6	170.3	132.6	157.1	166.7	176.2
			PI	15248.0	15498.1	16028.5	16551.6	15398.0	15648.1	16178.5	16701.6	15548.0	15798.1	16328.5	16851.6
		67	TC	164.3	168.4	170.6	176.7	171.6	174.2	176.7	180.4	178.9	180.0	182.8	184.1
			SC	95.6	117.0	138.8	159.6	99.8	123.0	146.2	169.4	104.0	129.0	153.6	179.2
			PI	15320.9	15601.0	15893.8	16416.9	15470.9	15751.0	16043.8	16566.9	15620.9	15901.0	16193.8	16716.9
		73	TC	187.3	190.0	191.9	193.9	188.7	191.1	193.6	196.3	190.1	192.2	195.3	198.7
			SC	67.4	89.9	111.9	130.5	68.9	93.1	114.9	135.4	70.4	96.3	117.9	140.3
			PI	16120.9	16401.0	16693.8	17216.9	16270.9	16551.0	16843.8	17366.9	16420.9	16701.0	16993.8	17516.9
	105	61	TC	137.7	141.5	144.1	161.4	142.6	146.4	153.9	166.3	147.5	151.3	163.7	171.2
			SC	111.2	135.8	138.3	154.9	119.5	140.5	147.7	159.6	127.8	145.2	157.1	164.3
			PI	16460.8	16690.9	16921.3	17644.4	16610.8	16840.9	17071.3	17794.4	16760.8	16990.9	17221.3	17944.4
		67	TC	162.3	163.7	166.1	166.3	163.5	166.1	169.8	171.2	164.7	168.5	173.5	176.1
			SC	80.1	112.0	132.9	161.0	94.5	118.1	141.4	165.9	108.9	124.2	149.9	170.8
			PI	16864.1	16994.2	17487.0	18210.1	17014.1	17144.2	17637.0	18360.1	17164.1	17294.2	17787.0	18510.1
		73	TC	183.1	184.6	185.8	185.9	185.6	187.0	188.3	189.6	188.1	189.4	190.8	193.3
			SC	64.1	86.1	108.0	126.9	65.5	89.2	111.8	133.0	66.9	92.3	115.6	139.1
			PI	17364.1	17494.2	17987.0	18710.1	17514.1	17644.2	18137.0	18860.1	17664.1	17794.2	18287.0	19010.1
	115	61	TC	113.9	116.4	128.8	141.2	117.6	122.6	135.0	147.4	121.3	128.8	141.2	153.6
			SC	94.6	113.9	126.2	138.3	101.7	118.5	130.6	142.6	108.8	123.1	135.0	146.9
			PI	17061.6	17546.7	18032.1	19010.2	17211.6	17696.7	18182.1	19160.2	17361.6	17846.7	18332.1	19310.2
		67	TC	139.8	141.0	141.1	145.7	141.0	143.5	144.8	148.4	142.2	146.0	148.5	151.1
			SC	80.7	94.2	115.3	143.7	85.6	100.7	123.9	147.4	90.5	107.2	132.5	151.1
			PI	18071.2	18201.3	18894.1	19644.2	18221.2	18351.3	19044.1	19794.2	18371.2	18501.3	19194.1	19944.2
		73	TC	155.6	158.3	162.2	163.4	160.6	163.2	165.8	167.1	165.6	168.1	169.4	170.8
			SC	47.9	68.7	92.0	114.2	49.3	72.9	96.3	119.1	50.7	77.1	100.6	124.0
			PI	18751.2	18881.3	19574.1	20324.2	18901.2	19031.3	19724.1	20474.2	19051.2	19181.3	19874.1	20624.2
	118	61	TC	110.9	113.4	125.8	138.2	114.6	119.6	132.0	144.4	118.3	125.8	138.2	150.6
			SC	91.6	110.9	123.2	135.3	98.7	115.5	127.6	139.6	105.8	120.1	132.0	143.9
			PI	16889.4	17629.5	18370.0	19603.1	17039.4	17779.5	18520.0	19753.1	17189.4	17929.5	18670.0	19903.1
		67	TC	139.3	140.4	140.4	144.9	140.5	142.9	144.1	147.6	141.7	145.4	147.8	150.3
			SC	80.2	93.6	114.6	142.9	85.1	100.1	123.2	146.6	90.0	106.6	131.8	150.3
			PI	18271.9	18393.0	19269.8	20049.9	18421.9	18552.0	19419.8	20199.9	18571.9	18711.0	19569.8	20349.9
		73	TC	152.6	155.3	159.2	160.4	157.6	160.2	162.8	164.1	162.6	165.1	166.4	167.8
			SC	44.9	65.7	89.0	111.2	46.3	69.9	93.3	116.1	47.7	74.1	97.6	121.0
			PI	18771.9	18902.0	19769.8	20549.9	18921.9	19052.0	19919.8	20699.9	19071.9	19202.0	20069.8	20849.9
	125	61	TC	109.1	111.5	123.4	132.0	112.6	117.4	129.3	139.6	116.1	123.3	135.2	147.2
			SC	90.4	107.8	119.4	127.6	97.3	113.5	125.1	135.0	104.2	119.2	130.8	142.4
			PI	16717.3	17712.4	18707.8	20195.9	16867.3	17862.4	18857.8	20345.9	17017.3	18012.4	19007.8	20495.9
		67	TC	133.8	135.1	135.3	137.8	135.0	137.5	138.8	141.3	136.2	139.9	142.3	144.8
			SC	77.1	90.0	110.4	142.5	81.8	96.3	118.7	141.3	86.5	102.6	127.0	140.1
			PI	18616.8	18746.9	19714.4	20514.5	18766.8	18896.9	19864.4	20664.5	18916.8	19046.9	20014.4	20814.5
		73	TC	149.3	151.6	155.4	156.7	154.0	156.4	158.9	160.2	158.7	161.2	162.4	163.7
			SC	45.6	65.6	88.0	109.2	46.9	69.6	92.1	114.0	48.2	73.6	96.2	118.8
			PI	19116.8	19246.9	20214.4	21014.5	19266.8	19396.9	20364.4	21164.5	19416.8	19546.9	20514.4	21314.5

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table,need to adjust in the field

Cooling capacity for 17.5ton

Air Flow (CFM)				6400				7000				7600			
	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	185.6	188.0	196.5	207.7	190.7	193.1	201.6	212.8	195.8	198.2	206.7	217.9
			SC	148.8	176.8	188.5	199.2	153.9	181.9	193.6	204.3	159.0	187.0	198.7	209.4
			PI	13087.1	13343.7	15919.1	16204.6	13977.6	14237.2	16404.4	16689.9	14868.1	15130.7	16889.7	17175.2
		67	TC	208.2	210.8	213.3	216.3	213.3	215.9	218.4	221.4	218.4	221.0	223.5	226.5
			SC	118.1	144.6	170.0	196.5	123.2	149.7	175.1	201.6	128.3	154.8	180.2	206.7
			PI	15361.3	15617.9	18193.3	18478.8	16251.8	16511.4	18678.6	18964.0	17142.3	17404.9	19163.9	19449.3
		73	TC	220.0	224.3	227.3	230.1	225.1	229.4	232.4	235.2	230.2	234.5	237.5	240.3
			SC	80.8	109.1	132.4	154.6	85.9	114.2	137.5	159.7	91.0	119.3	142.6	164.8
			PI	16528.4	16785.0	19060.4	19445.9	17368.9	17628.5	19545.7	19881.2	18209.4	18472.0	20031.0	20316.5
	95	61	TC	173.9	178.2	186.8	199.3	179.0	183.3	191.9	204.4	184.1	188.4	197.0	209.5
			SC	141.7	169.9	181.1	193.2	146.8	175.0	186.2	198.3	151.9	180.1	191.3	203.4
			PI	14883.2	15139.8	17415.3	17800.8	15723.7	15983.3	17900.6	18236.0	16564.2	16826.8	18385.9	18671.3
		67	TC	194.9	197.8	200.7	204.8	200.0	202.9	205.8	209.9	205.1	208.0	210.9	215.0
			SC	112.6	139.1	165.7	192.2	117.7	144.2	170.8	197.3	122.8	149.3	175.9	202.4
			PI	16657.4	16915.0	19189.5	19574.9	17497.9	17757.5	19674.7	20010.2	18338.4	18600.0	20160.0	20445.5
		73	TC	214.5	217.2	220.1	223.1	219.6	222.3	225.2	228.2	224.7	227.4	230.3	233.3
			SC	77.1	104.9	129.8	153.2	82.2	110.0	134.9	158.3	87.3	115.1	140.0	163.4
			PI	18324.5	18581.1	20606.6	21092.0	19115.0	19374.6	21091.9	21477.3	19905.5	20168.1	21577.1	21862.6
	105	61	TC	161.6	166.0	174.6	188.7	166.7	171.1	179.7	193.8	171.8	176.2	184.8	198.9
			SC	135.1	159.2	167.4	181.0	140.2	164.3	172.5	186.1	145.3	169.4	177.6	191.2
			PI	16679.4	16936.0	18961.4	19446.9	17469.9	17729.5	19446.7	19832.2	18260.4	18523.0	19932.0	20217.5
		67	TC	185.6	188.6	192.8	194.3	190.7	193.7	197.9	199.4	195.8	198.8	203.0	204.5
			SC	106.5	133.5	160.2	188.2	111.6	138.6	165.3	193.3	116.7	143.7	170.4	198.4
			PI	18953.5	19210.1	21185.6	21671.1	19744.0	20003.6	21670.9	22056.3	20534.5	20797.1	22156.2	22441.6
		73	TC	210.9	212.5	214.0	215.4	216.0	217.6	219.1	220.5	221.1	222.7	224.2	225.6
			SC	73.2	100.4	126.3	150.5	78.3	105.5	131.4	155.6	83.4	110.6	136.5	160.7
			PI	21383.9	21640.5	23438.0	24023.5	22124.4	22384.0	23923.3	24358.8	22864.9	23127.5	24408.6	24694.1
	115	61	TC	141.2	146.9	161.1	175.3	146.3	152.0	166.2	180.4	151.4	157.1	171.3	185.5
			SC	123.0	142.2	156.1	169.7	128.1	147.3	161.2	174.8	133.2	152.4	166.3	179.9
			PI	18759.7	19016.3	20813.8	21399.3	19500.2	19759.8	21299.1	21734.6	20240.7	20503.3	21784.4	22069.8
		67	TC	168.1	168.0	172.4	175.3	173.2	176.0	177.5	180.4	178.3	184.0	182.6	185.5
			SC	104.5	121.8	148.4	175.3	109.6	126.9	153.5	180.4	114.7	132.0	158.6	185.5
			PI	20893.2	20986.5	22897.3	23482.8	21633.7	21893.3	23382.6	23818.1	22374.2	22800.1	23867.9	24153.4
		73	TC	190.5	193.5	196.5	197.8	195.6	198.6	201.6	202.9	200.7	203.7	206.7	208.0
			SC	62.9	90.0	116.8	142.8	68.0	95.1	121.9	147.9	73.1	100.2	127.0	153.0
			PI	23197.7	23454.3	25101.8	25787.3	23888.2	24147.8	25587.1	26072.5	24578.7	24841.3	26072.4	26357.8
	118	61	TC	135.4	141.1	155.3	169.5	140.5	146.2	160.4	174.6	145.6	151.3	165.5	179.7
			SC	117.2	136.4	150.3	163.9	122.3	141.5	155.4	169.0	127.4	146.6	160.5	174.1
			PI	19461.6	19718.2	21365.7	22051.2	20152.1	20411.7	21851.0	22336.4	20842.6	21105.2	22336.3	22621.7
		67	TC	170.0	173.6	174.3	177.2	175.1	177.9	179.4	182.3	180.2	182.2	184.5	187.4
			SC	101.4	118.7	145.3	172.2	106.5	123.8	150.4	177.3	111.6	128.9	155.5	182.4
			PI	21157.4	21215.0	23061.5	23747.0	21847.9	22107.5	23546.8	24032.3	22538.4	23000.0	24032.1	24317.5
		73	TC	184.7	187.7	190.7	192.0	189.8	192.8	195.8	197.1	194.9	197.9	200.9	202.2
			SC	57.1	84.2	111.0	137.0	62.2	89.3	116.1	142.1	67.3	94.4	121.2	147.2
			PI	23774.9	24156.2	25653.7	26439.1	24415.4	24799.7	26139.0	26674.4	25055.9	25443.2	26624.2	26909.7
	125	61	TC	135.5	141.0	154.6	166.3	140.6	146.1	159.7	171.4	145.7	151.2	164.8	176.5
			SC	117.9	136.5	149.8	161.0	123.0	141.6	154.9	166.1	128.1	146.7	160.0	171.2
			PI	20895.6	21276.8	22774.3	23559.8	21536.1	21920.3	23259.6	23795.1	22176.6	22563.8	23744.9	24030.3
		67	TC	161.2	164.0	165.5	168.3	166.3	169.1	170.6	173.4	171.4	174.2	175.7	178.5
			SC	92.1	116.8	142.5	168.3	97.2	121.9	147.6	173.4	102.3	127.0	152.7	178.5
			PI	21553.4	21934.6	23482.1	24267.6	22193.9	22578.1	23967.4	24502.8	22834.4	23221.6	24452.7	24738.1
		73	TC	183.0	185.7	188.6	189.9	188.1	190.8	193.7	195.0	193.2	195.9	198.8	200.1
			SC	60.2	86.2	112.0	137.0	65.3	91.3	117.1	142.1	70.4	96.4	122.2	147.2
			PI	23975.9	24357.1	25754.7	26540.1	24616.4	25000.6	26239.9	26775.4	25256.9	25644.1	26725.2	27010.7

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table,need to adjust in the field

Cooling capacity for 20ton

Air Flow (CFM)				6800				7800				8800			
	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	210.3	210.8	220.7	233.4	216.2	218.8	228.6	241.4	222.1	226.8	236.5	249.4
			SC	164.2	193.2	214.0	226.5	173.8	206.0	221.7	234.2	183.4	218.8	229.4	241.9
			PI	19958.3	20056.5	20886.8	20830.5	20278.5	20347.6	20902.9	20918.6	20598.6	20638.7	20919.0	21006.7
		67	TC	235.0	239.2	243.2	248.3	242.2	245.2	247.9	251.3	249.4	251.2	252.6	254.3
			SC	132.2	162.4	188.4	219.0	138.4	168.9	198.0	228.6	144.6	175.4	207.6	238.2
			PI	20905.1	21063.9	21358.2	21680.3	21474.3	21613.6	21796.9	22002.3	22043.4	22163.4	22235.5	22324.4
		73	TC	253.0	259.2	260.7	264.3	255.9	260.8	264.0	267.3	258.8	262.4	267.3	270.3
			SC	93.7	125.1	151.1	177.4	95.5	128.0	154.6	180.3	97.3	130.9	158.1	183.2
			PI	22679.2	22774.2	22901.9	22957.4	22772.2	22857.5	23029.6	23085.1	22865.2	22940.7	23157.3	23212.8
	95	61	TC	200.1	201.1	207.8	223.8	202.7	207.6	217.4	231.8	205.3	214.1	227.0	239.8
			SC	156.0	190.4	203.7	219.6	165.7	198.0	210.8	224.9	175.4	205.6	217.9	230.2
			PI	19336.4	19495.2	20325.4	20269.2	19646.9	19786.3	20341.6	20357.3	19957.4	20077.4	20357.7	20445.4
		67	TC	217.5	220.4	225.6	233.4	227.0	230.2	233.5	238.2	236.5	240.0	241.4	243.0
			SC	126.6	154.6	183.5	210.9	132.1	162.6	193.2	223.7	137.6	170.6	202.9	236.5
			PI	20283.3	20502.6	20796.9	21118.9	20842.7	21052.3	21235.5	21441.0	21402.1	21602.0	21674.2	21763.1
		73	TC	247.7	251.1	253.4	255.8	249.5	252.6	255.7	259.1	251.3	254.1	258.0	262.4
			SC	89.4	118.9	147.6	172.2	91.3	123.1	151.7	178.7	93.2	127.3	155.8	185.2
			PI	22057.3	22212.8	22340.5	22396.1	22140.6	22296.1	22468.2	22523.8	22223.9	22379.4	22596.0	22651.5
	105	61	TC	182.1	187.0	190.2	213.0	188.6	193.5	203.2	219.5	195.1	200.0	216.2	226.0
			SC	147.1	181.4	184.5	206.6	158.1	187.7	197.1	212.9	169.1	194.0	209.7	219.2
			PI	22036.1	22194.9	23025.1	22968.9	22346.6	22486.0	23041.2	23057.0	22657.1	22777.1	23057.4	23145.1
		67	TC	214.5	216.3	219.6	219.5	216.2	219.5	224.4	226.0	217.9	222.7	229.2	232.5
			SC	106.1	148.0	175.6	228.8	125.1	156.1	186.8	219.0	144.1	164.2	198.0	209.2
			PI	22231.1	22450.5	22744.8	23066.8	22790.6	23000.2	23183.4	23388.9	23350.0	23549.9	23622.1	23710.9
		73	TC	242.3	243.8	245.4	245.6	245.5	247.1	248.7	250.4	248.7	250.4	252.0	255.2
			SC	84.7	113.7	142.7	167.6	86.7	117.9	147.7	175.6	88.7	122.1	152.7	183.6
			PI	24905.2	25060.7	25188.4	25243.9	24988.5	25144.0	25316.1	25371.6	25071.8	25227.2	25443.8	25499.3
	115	61	TC	174.1	177.3	193.5	209.8	178.9	185.4	201.6	217.9	183.7	193.5	209.7	226.0
			SC	148.5	172.1	188.0	203.6	157.9	180.0	195.8	211.5	167.3	187.9	203.6	219.4
			PI	23618.2	23777.0	24607.2	24551.0	23928.7	24068.1	24623.4	24639.1	24239.2	24359.2	24639.5	24727.2
		67	TC	191.0	192.8	192.7	196.1	192.7	196.0	197.6	200.9	194.4	199.2	202.5	205.7
			SC	113.1	130.8	158.6	196.1	119.6	139.4	170.0	200.9	126.1	148.0	181.4	205.7
			PI	23813.3	24064.6	24326.9	24648.9	24372.7	24582.3	24765.5	24971.0	24932.1	25100.0	25204.2	25293.1
		73	TC	212.2	215.5	220.3	222.1	218.7	222.0	225.2	226.9	225.2	228.5	230.1	231.7
			SC	69.9	97.2	127.7	157.0	71.7	102.7	133.4	163.5	73.5	108.2	139.1	170.0
			PI	26910.5	27066.0	27193.7	27249.2	26993.8	27149.3	27321.4	27376.9	27077.1	27232.6	27449.1	27504.6
	118	61	TC	170.5	173.7	189.9	206.2	175.3	181.8	198.0	214.3	180.1	189.9	206.1	222.4
			SC	144.9	168.5	184.4	200.0	154.3	176.4	192.2	207.9	163.7	184.3	200.0	215.8
			PI	23989.2	24148.0	24978.2	24922.0	24299.7	24439.1	24994.4	25010.1	24610.2	24730.2	25010.5	25098.2
		67	TC	190.1	191.7	191.4	194.6	191.8	194.9	196.3	199.4	193.5	198.0	201.2	204.2
			SC	112.2	129.7	157.3	194.6	118.7	138.3	168.7	199.4	125.2	146.9	180.1	204.2
			PI	24184.3	24510.6	24697.9	25019.9	24743.7	24953.3	25136.5	25342.0	25303.1	25396.0	25575.2	25664.1
		73	TC	208.6	211.9	216.7	218.5	215.1	218.4	221.6	223.3	221.6	224.9	226.5	228.1
			SC	66.3	93.6	124.1	153.4	68.1	99.1	129.8	159.9	69.9	104.6	135.5	166.4
			PI	27276.9	27432.3	27560.1	27615.6	27360.2	27515.6	27687.8	27743.3	27443.4	27598.9	27815.5	27871.0
	125	61	TC	147.5	150.5	166.0	181.2	152.1	158.2	173.6	188.9	156.7	165.9	181.2	196.6
			SC	123.4	145.8	160.5	175.5	132.3	153.2	168.0	182.9	141.2	160.6	175.5	190.3
			PI	24539.2	24698.0	25528.2	25472.0	24849.7	24989.1	25544.4	25560.1	25160.2	25280.2	25560.5	25648.2
		67	TC	179.6	181.2	181.2	206.3	181.2	184.3	185.8	199.9	182.8	187.4	190.4	193.5
			SC	106.0	122.7	149.1	168.4	112.2	130.9	159.8	178.9	118.4	139.1	170.5	189.4
			PI	24734.3	24953.6	25247.9	25569.9	25293.7	25503.3	25686.5	25892.0	25853.1	26053.0	26125.2	26214.1
		73	TC	199.7	202.6	207.3	208.8	205.8	208.8	211.9	213.4	211.9	215.0	216.5	218.0
			SC	65.3	91.1	120.0	147.4	67.0	96.3	125.3	153.6	68.7	101.5	130.6	159.8
			PI	27676.9	27832.3	27960.1	28015.6	27760.2	27915.6	28087.8	28143.3	27843.4	27998.9	28215.5	28271.0

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table,need to adjust in the field

Cooling capacity for 25ton

Ambient Temperature	Air Flow (CFM)			8000				9000				10000			
	Ent (DB)	(°F)		75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	266.7	272.2	277.9	283.6	273.9	279.6	285.4	291.3	280.7	286.5	292.4	298.5
			SC	231.4	236.2	241.2	246.2	247.4	252.6	257.8	263.2	262.4	267.9	273.4	279.1
			PI	24732.7	24932.6	25004.8	25132.5	25022.7	25222.6	25294.8	25422.5	25312.7	25512.6	25584.8	25712.5
		67	TC	297.9	304.1	310.4	316.8	300.9	307.1	313.5	320.0	303.7	309.9	316.3	322.9
			SC	172.4	219.4	265.2	301.4	178.4	230.2	284.4	310.7	186.9	262.7	280.7	315.4
			PI	25232.7	25432.6	25504.8	25632.5	25522.7	25722.6	25794.8	25922.5	25812.7	26012.6	26084.8	26212.5
		73	TC	309.2	315.5	322.1	328.7	310.2	316.6	323.1	329.8	310.9	317.3	323.9	330.6
			SC	108.7	161.7	198.2	237.7	110.2	163.9	205.2	256.2	111.9	169.7	220.4	260.4
			PI	25809.0	26013.3	26086.8	26217.1	26119.0	26323.3	26396.8	26527.1	26429.0	26633.3	26706.8	26837.1
	95	61	TC	246.4	251.5	256.8	262.1	254.2	259.4	264.8	270.4	261.7	267.1	272.6	278.3
			SC	221.2	225.8	230.5	235.3	237.4	242.4	247.4	252.6	252.9	258.6	263.5	269.0
			PI	24500.5	24682.6	24749.6	24866.6	24750.5	24932.6	24999.6	25116.6	25000.5	25182.6	25249.6	25366.6
		67	TC	273.7	279.3	285.1	291.0	278.2	289.4	295.4	301.5	293.9	300.0	306.2	312.5
			SC	166.4	213.9	258.4	297.9	175.2	226.4	274.4	300.2	182.9	257.6	270.4	310.4
			PI	26710.1	26910.0	26982.2	27109.9	27000.1	27200.0	27272.2	27399.9	27300.1	27500.0	27572.2	27699.9
		73	TC	306.4	312.7	319.2	325.8	307.2	313.5	320.0	326.6	308.9	315.3	321.8	328.5
			SC	105.2	152.9	193.2	233.9	107.4	156.2	200.2	251.7	108.2	158.4	208.9	251.2
			PI	28599.0	28808.0	28882.9	29016.2	28909.0	29118.0	29192.9	29326.2	29219.0	29428.0	29502.9	29636.2
	105	61	TC	225.7	230.4	235.2	240.1	233.9	238.8	243.8	248.9	238.9	243.9	249.0	254.2
			SC	210.9	215.3	219.8	224.5	227.4	232.2	237.0	242.0	222.9	227.6	232.3	237.2
			PI	26487.9	26670.0	26737.0	26854.0	26737.9	26920.0	26987.0	27104.0	26987.9	27170.0	27237.0	27354.0
		67	TC	265.2	270.7	276.3	282.0	271.7	277.3	283.1	288.9	275.9	281.6	287.5	293.4
			SC	158.4	205.4	254.2	278.4	167.7	219.7	269.4	284.2	174.9	235.2	265.2	280.9
			PI	29197.5	29397.4	29469.6	29597.3	29487.5	29687.4	29759.6	29887.3	29787.5	29987.4	30059.6	30187.3
		73	TC	298.9	305.1	311.4	317.8	300.9	307.1	313.5	320.0	302.4	308.7	315.0	321.6
			SC	100.2	147.4	186.9	223.2	102.4	153.4	192.7	248.7	103.7	153.2	199.2	246.4
			PI	32028.6	32245.5	32322.5	32460.3	32338.6	32555.5	32632.5	32770.3	32648.6	32865.5	32942.5	33080.3
	115	61	TC	198.2	202.5	206.9	211.4	205.4	209.9	214.4	219.0	213.2	217.8	222.5	227.3
			SC	193.9	198.1	202.4	206.8	197.9	180.0	206.6	211.1	207.9	212.4	217.0	221.7
			PI	28475.3	28657.4	28724.4	28841.4	28725.3	28907.4	28974.4	29091.4	28975.3	29157.4	29224.4	29341.4
		67	TC	235.7	240.7	245.9	251.2	240.4	245.6	250.8	256.2	246.4	251.7	257.1	262.6
			SC	141.2	190.4	237.7	242.8	150.7	202.9	245.7	250.9	159.4	217.7	250.7	258.7
			PI	31184.9	31384.8	31457.0	31584.7	31474.9	31674.8	31747.0	31874.7	31774.9	32400.8	32501.0	32574.7
		73	TC	280.4	286.4	292.4	298.6	282.7	288.7	294.8	301.0	284.4	290.4	296.6	302.9
			SC	87.9	135.7	174.9	204.2	89.7	142.7	177.9	235.2	91.7	141.9	185.2	230.7
			PI	36055.2	36279.1	36355.6	36496.3	36365.2	36589.1	36665.6	36806.3	36675.2	36899.1	36975.6	37116.3
	118	61	TC	195.5	199.8	204.2	208.7	202.7	207.2	211.7	216.3	210.5	215.1	219.8	224.6
			SC	191.2	195.4	199.7	204.1	195.2	199.5	203.9	208.4	205.2	209.7	214.3	219.0
			PI	29071.5	29253.6	29320.6	29437.6	29321.5	29503.6	29570.6	29687.6	29571.5	29753.6	29820.6	29937.6
		67	TC	233.0	238.0	243.2	248.5	237.7	242.9	248.1	253.5	243.7	249.0	254.4	259.9
			SC	138.5	187.7	235.0	240.1	148.0	200.2	243.0	248.2	156.7	215.0	248.0	256.0
			PI	31781.1	31981.0	32053.2	32180.9	32071.1	32271.0	32343.2	32470.9	32371.1	32571.0	32643.2	32770.9
		73	TC	277.7	283.7	289.7	295.9	280.0	286.0	292.1	298.3	281.7	287.7	293.9	300.2
			SC	85.2	133.0	172.2	201.5	87.0	140.0	175.2	232.5	89.0	139.2	182.5	228.0
			PI	36798.7	37018.0	37096.8	37236.4	37108.7	37328.0	37406.8	37546.4	37418.7	37638.0	37716.8	37856.4
	125	61	TC	175.5	179.5	183.5	187.5	182.1	186.2	190.3	194.5	189.2	193.4	197.6	202.0
			SC	171.7	175.5	179.4	183.4	175.3	179.2	183.2	187.3	184.4	188.5	192.7	196.9
			PI	30462.7	30644.8	30711.8	30828.8	30712.7	30894.8	30961.8	31078.8	30962.7	31144.8	31211.8	31328.8
		67	TC	209.6	214.2	218.9	223.7	213.9	218.6	223.4	228.3	219.4	224.2	229.1	234.1
			SC	123.7	168.5	211.4	216.1	132.4	179.9	218.7	223.5	140.3	193.3	223.3	230.5
			PI	33172.3	33372.2	33444.4	33572.1	33462.3	33662.2	33734.4	33862.1	33762.3	33962.2	34034.4	34162.1
		73	TC	250.3	255.7	261.3	266.9	252.4	257.8	263.4	269.1	253.9	259.4	265.0	270.7
			SC	75.3	118.7	154.4	181.0	76.9	125.1	157.1	209.2	78.7	124.4	163.7	205.1
			PI	38458.3	38679.8	38753.7	38892.1	38768.3	38989.8	39063.7	39202.1	39078.3	39299.8	39373.7	39512.1

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table, need to adjust in the field.

Cooling capacity for 30ton

Air Flow (CFM)				9000				105000				12000			
Ent (DB)			(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	311.2	312.0	325.9	345.1	319.7	323.6	337.7	356.7	328.2	335.2	349.5	368.3
			SC	248.1	289.9	314.0	337.7	262.0	308.9	328.7	346.6	275.9	327.9	343.4	355.5
			PI	27143.2	27752.0	28995.7	30630.7	27343.2	27952.0	29195.7	30830.7	27543.2	28152.0	29395.7	31030.7
		67	TC	347.3	353.4	359.3	367.0	357.8	362.1	366.1	371.2	368.3	370.8	372.9	375.4
			SC	201.2	245.3	283.1	327.9	210.1	254.8	297.3	342.0	219.0	264.3	311.5	356.1
			PI	30430.7	30648.1	30830.7	31048.2	30730.7	30948.1	31130.7	31348.2	31030.7	31248.1	31430.7	31648.2
		73	TC	373.4	382.6	385.0	390.0	377.7	384.9	389.7	394.4	382.0	387.2	394.4	398.8
			SC	144.6	190.7	228.8	267.1	147.3	194.9	233.9	271.4	150.0	199.1	239.0	275.7
			PI	31422.2	31874.4	32500.6	32883.2	31822.2	32274.4	32900.6	33283.2	32222.2	32674.4	33300.6	33683.2
	95	61	TC	296.3	270.5	307.6	330.9	300.0	307.2	321.5	342.5	303.7	343.9	335.4	354.1
			SC	235.7	287.9	302.4	325.2	250.0	297.3	316.1	336.6	264.3	306.7	329.8	348.0
			PI	27535.9	31366.0	30556.2	32337.9	27735.9	31566.0	30756.2	32537.9	27935.9	31766.0	30956.2	32737.9
		67	TC	338.6	341.0	343.4	354.9	345.7	350.5	355.2	362.1	352.8	360.0	367.0	369.3
			SC	140.8	181.9	247.9	325.8	200.9	245.5	290.2	334.8	261.0	309.1	332.5	343.8
			PI	32014.0	32700.0	33366.9	33586.1	32314.0	33000.0	33666.9	33886.1	32614.0	33300.0	33966.9	34186.1
		73	TC	365.8	370.8	374.2	378.0	368.5	372.9	377.5	382.6	371.2	375.0	380.8	387.2
			SC	138.2	181.5	223.9	259.6	141.1	187.7	229.7	269.1	144.0	193.9	235.5	278.6
			PI	33567.1	33929.2	34481.8	35091.6	33967.1	34329.2	34881.8	35491.6	34367.1	34729.2	35281.8	35891.6
	105	61	TC	269.8	277.0	281.9	315.2	279.3	286.5	300.8	324.6	288.8	296.0	319.7	334.0
			SC	223.0	270.4	274.9	306.8	239.0	279.4	293.1	315.9	255.0	288.4	311.3	325.0
			PI	34180.5	35067.6	37987.5	39749.2	34380.5	35267.6	38187.5	39949.2	34580.5	35467.6	38387.5	40149.2
		67	TC	317.3	320.0	324.3	324.5	319.7	324.6	331.5	334.0	322.1	329.2	338.7	343.5
			SC	162.7	224.4	264.5	318.6	190.6	236.1	280.9	328.1	218.5	247.8	297.3	337.6
			PI	38083.2	38957.9	40128.3	40719.7	38383.2	39257.9	40428.3	41019.7	38683.2	39557.9	40728.3	41319.7
		73	TC	357.7	360.4	362.5	362.4	362.5	365.0	367.3	369.6	367.3	369.6	372.1	376.8
			SC	131.9	174.2	216.4	252.7	134.6	180.2	223.7	264.5	137.3	186.2	231.0	276.3
			PI	43451.9	43735.2	44043.2	44622.3	43851.9	44135.2	44443.2	45022.3	44251.9	44535.2	44843.2	45422.3
	115	61	TC	264.3	269.0	292.8	316.6	271.5	281.0	304.8	328.6	278.7	293.0	316.8	340.6
			SC	221.4	83.7	282.1	305.3	235.1	180.0	290.6	313.6	248.8	276.3	299.1	321.9
			PI	34244.3	36021.9	38980.4	41938.9	34444.3	36221.9	39180.4	42138.9	34644.3	36421.9	39380.4	42338.9
		67	TC	324.5	326.5	328.5	331.5	326.8	331.4	333.7	338.6	329.1	336.3	338.9	345.7
			SC	220.2	246.1	286.5	331.7	229.6	258.6	303.2	327.7	239.0	271.1	319.9	323.7
			PI	39509.3	40404.3	40727.5	41572.8	40609.3	41504.3	41827.5	42672.8	41709.3	42604.3	42927.5	43772.8
		73	TC	335.1	340.0	347.3	349.6	344.7	349.5	354.3	356.7	354.3	359.0	361.3	363.8
			SC	128.1	171.1	216.0	258.8	133.8	179.2	224.3	268.2	139.5	187.3	232.6	277.6
			PI	43241.9	43826.1	44112.0	44422.8	43641.9	44226.1	44512.0	44822.8	44041.9	44626.1	44912.0	45222.8
	118	61	TC	262.3	267.0	290.8	314.6	269.5	279.0	302.8	326.6	276.7	291.0	314.8	338.6
			SC	219.4	256.5	280.1	303.3	233.1	265.4	288.6	311.6	246.8	274.3	297.1	319.9
			PI	35135.6	36972.1	40028.6	43085.2	35335.6	37172.1	40228.6	43285.2	35535.6	37372.1	40428.6	43485.2
		67	TC	322.5	324.5	326.5	329.5	324.8	329.4	331.7	336.6	327.1	334.3	336.9	343.7
			SC	218.2	244.1	284.5	329.7	227.6	256.6	301.2	325.7	237.0	269.1	317.9	321.7
			PI	41408.3	42330.0	42666.9	43540.2	41708.3	42630.0	42966.9	43840.2	42008.3	42930.0	43266.9	44140.2
		73	TC	333.1	338.0	345.3	347.6	342.7	347.5	352.3	354.7	352.3	357.0	359.3	361.8
			SC	126.1	169.1	214.0	256.8	131.8	177.2	222.3	266.2	137.5	185.3	230.6	275.6
			PI	44444.6	45048.2	45343.6	45664.7	44844.6	45448.2	45743.6	46064.7	45244.6	45848.2	46143.6	46464.7
	125	61	TC	239.2	243.6	266.4	282.8	245.9	255.0	277.8	297.5	252.6	266.4	289.2	312.2
			SC	207.3	200.7	222.8	238.6	220.6	231.7	253.9	272.9	233.9	262.7	285.0	307.2
			PI	38151.3	40257.5	43737.2	47247.4	38351.3	40457.5	43937.2	47447.4	38551.3	40657.5	44137.2	47647.4
		67	TC	286.9	289.1	289.3	294.0	289.2	293.8	296.1	300.8	291.5	298.5	302.9	307.6
			SC	155.1	206.4	245.6	277.4	177.1	218.5	261.6	285.1	199.1	230.6	277.6	292.8
			PI	43888.2	44956.5	45628.0	46345.3	44188.2	45256.5	45928.0	46645.3	44488.2	45556.5	46228.0	46945.3
		73	TC	316.8	321.2	328.2	330.5	325.9	330.4	335.0	337.3	335.0	339.6	341.8	344.1
			SC	120.5	159.0	202.1	243.0	123.1	166.8	210.1	252.3	125.7	174.6	218.1	261.6
			PI	50327.1	51029.1	51364.9	51715.9	50727.1	51429.1	51764.9	52115.9	51127.1	51829.1	52164.9	52515.9

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit:1000Btu/h)
3. SC=SensibleCapacity. (Unit:1000Btu/h)
4. PI=Power input (unit:W)
5. Different air volume in the above table, need to adjust in the field.

T1 Application

Cooling capacity for 6.2ton

Air Flow (CFM)			2400				2600				2800			
Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	61.3	62.8	64.0	65.3	65.4	66.8	68.2	69.6	69.5	70.9	72.4	74.0
			SC	53.1	60.3	65.3	66.6	57.1	63.6	67.8	69.6	61.1	66.9	70.2	72.7
			PI	5325.4	5469.4	5710.3	5992.2	5614.7	5758.7	6011.6	6299.6	5904.0	6048.0	6313.0	6606.9
		67	TC	74.9	76.5	78.0	79.7	75.8	77.4	79.0	80.7	76.7	78.4	80.0	81.7
			SC	40.6	50.6	61.8	73.7	42.6	53.8	64.8	75.4	44.7	57.0	67.9	77.1
			PI	6104.2	6279.2	6710.7	7060.7	6170.5	6345.5	6783.1	7133.1	6236.8	6411.8	6855.4	7205.4
		73	TC	78.5	80.2	81.9	83.6	79.0	80.7	82.4	84.1	79.5	81.2	82.9	84.6
			SC	26.3	39.0	47.8	54.6	26.7	38.8	48.1	56.9	27.2	38.5	48.3	59.1
			PI	7524.0	7724.0	8074.0	8467.9	7560.1	7760.1	8110.1	8504.1	7596.3	7796.3	8146.3	8540.3
	95	61	TC	60.1	61.4	62.7	64.0	62.1	63.5	64.8	66.2	64.1	65.5	66.9	68.4
			SC	52.2	57.0	58.9	61.2	54.5	59.6	61.6	64.5	56.8	62.1	64.3	67.8
			PI	6273.9	6452.9	6705.8	6993.8	6418.5	6597.5	6856.5	7150.5	6563.2	6742.2	7007.2	7307.2
		67	TC	66.8	63.9	64.6	66.3	68.0	69.5	71.0	72.4	69.3	75.0	77.3	78.5
			SC	39.2	49.7	60.5	64.2	41.2	52.9	64.6	68.5	43.2	56.1	68.8	72.9
			PI	5975.0	5692.7	6039.1	6407.2	6065.4	6096.5	6491.2	6841.2	6155.8	6500.3	6943.2	7275.1
		73	TC	77.9	79.6	81.3	83.0	78.4	80.0	81.7	83.4	78.8	80.5	82.2	83.9
			SC	25.4	37.2	46.8	56.3	25.8	38.1	48.3	58.6	26.2	38.9	49.8	61.0
			PI	7940.2	8190.2	8697.9	9097.9	7970.3	8220.3	8728.0	9128.0	8000.4	8250.4	8758.1	9158.1
	105	61	TC	54.7	55.8	57.0	58.2	56.6	57.8	59.1	60.3	58.6	59.8	61.1	62.4
			SC	47.7	49.9	51.7	53.1	51.8	53.4	55.9	57.5	55.8	56.9	60.2	61.9
			PI	6367.6	6590.5	6968.1	7256.1	6506.2	6735.2	7112.8	7406.7	6644.8	6879.8	7257.4	7557.4
		67	TC	65.4	66.8	68.2	69.7	67.0	68.5	69.9	71.4	68.6	70.1	71.6	73.1
			SC	36.5	49.6	57.7	65.2	38.8	50.6	62.6	68.6	41.0	51.6	67.5	72.0
			PI	6575.5	6819.4	7197.0	7541.0	6690.0	6934.0	7317.6	7661.6	6804.5	7048.5	7438.1	7782.1
		73	TC	76.3	77.9	79.7	81.2	76.2	77.8	79.5	81.1	76.2	77.8	79.4	81.1
			SC	24.6	35.7	48.7	58.9	24.5	37.0	49.9	60.6	24.5	38.2	51.1	62.3
			PI	8604.0	8884.0	9497.7	9885.7	8597.9	8877.9	9485.7	9879.6	8591.9	8871.9	9473.6	9873.6
	115	61	TC	47.2	48.3	49.4	50.5	48.9	50.0	51.1	52.2	50.5	51.6	52.7	53.9
			SC	48.8	48.5	48.8	51.2	47.1	48.3	49.8	51.6	45.4	48.0	50.8	52.1
			PI	6978.7	7222.6	7440.6	7734.6	7093.2	7337.2	7561.1	7855.1	7207.7	7451.7	7681.7	7975.6
		67	TC	57.0	58.2	59.5	60.9	58.5	59.8	61.1	62.5	60.0	61.4	62.7	64.1
			SC	31.8	42.8	54.9	59.9	34.0	46.1	57.4	61.5	36.3	49.4	59.9	63.1
			PI	7272.4	7599.6	7918.9	8262.9	7380.9	7649.8	8033.5	8377.4	7489.4	7700.1	8148.0	8491.9
		73	TC	74.5	76.1	77.8	79.5	70.4	72.0	73.6	75.2	66.4	67.8	69.3	70.9
			SC	20.5	31.0	43.4	56.8	21.0	32.8	45.4	58.2	21.5	34.6	47.3	59.7
			PI	9130.1	9430.1	10043.9	10449.9	8840.8	9134.8	9742.5	10142.5	8551.5	8839.5	9441.2	9835.2

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h).
3.SC=SensibleCapacity. (Unit:1000Btu/h) .
4.PI=Power input (unit:W).
5.Different air volume in the above table,need to adjust in the field.

Heating capacity for 6.2ton

Outdoor Temp(°F)	Net Capacities(kW)-2800 CFM							
	Peak Net Heating(kW) at Indicated Dry				Peak Total Power (kW) at Indicated Dry			
70% RH	59	68	75.2	80.6	59	68	75.2	80.6
15.8	14.2	13.7	13.4	12.9	5.6	5.9	6.1	6.3
21.2	15.7	15.2	14.8	14.3	5.9	6.2	6.4	6.6
26.6	17.4	16.9	16.4	15.9	6.2	6.5	6.7	6.9
32	19.3	18.8	18.2	17.7	6.6	6.8	7.1	7.3
37.4	22.8	22.1	21.4	20.8	6.9	7.2	7.4	7.7
44.6	26.8	26	25.2	24.5	7.3	7.5	7.8	8.1
48.2	28.7	27.8	27	26.2	7.4	8.2	8.7	9.2
53.6	30.4	29.5	28.6	27.7	7.7	8.6	9	9.6
59	32.2	31.3	30.3	29.4	7.8	8.8	9.2	9.8
64.4	34.1	33.1	32.1	31.2	8.1	8.9	9.5	10.1
69.8	36.2	35.1	34.1	33	8.2	9.1	9.6	10.1
75.2	38.3	37.2	36.1	35	8.4	9.2	10	10.3

Notes:
1. For other airflows, see heating capacity correction factor tables.
2. Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 7.5ton

Air Flow (CFM)				2400				2600				2830			
	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	72.8	74.6	76.1	77.8	77.6	79.4	81.1	82.9	82.4	84.2	86.1	88.0
			SC	63.1	71.7	77.7	76.5	67.8	75.6	80.6	81.5	72.5	79.5	83.5	86.5
			PI	6775.5	6920.6	7165.9	7451.2	7012.8	7157.9	7413.1	7703.3	7250.1	7395.2	7660.3	7955.5
		67	TC	88.8	90.8	92.7	94.8	89.9	91.9	93.9	96.0	91.0	93.0	95.1	97.2
			SC	48.3	60.2	73.5	87.7	50.7	64.0	77.1	89.7	53.1	67.8	80.7	91.7
			PI	7405.6	7580.7	7986.6	8336.7	7460.0	7635.1	8045.9	8396.0	7514.3	7689.4	8105.3	8455.4
		73	TC	93.1	95.2	97.3	99.4	93.7	95.8	97.9	100.0	94.3	96.4	98.5	100.6
			SC	31.4	46.5	57.0	65.1	31.9	46.2	57.3	67.8	32.4	45.9	57.6	70.5
			PI	8464.7	8664.8	9014.9	9410.1	8494.4	8694.5	9044.6	9439.8	8524.1	8724.2	9074.3	9469.4
	95	61	TC	71.3	73.0	74.6	76.2	73.7	75.4	77.1	78.8	76.1	77.8	79.6	81.4
			SC	62.0	67.8	70.1	72.9	64.7	70.8	73.3	76.8	67.4	73.8	76.5	80.7
			PI	7457.3	7637.5	7892.7	8182.9	7576.0	7756.1	8016.3	8311.4	7694.6	7874.8	8139.9	8440.0
		67	TC	79.2	76.0	76.9	79.0	80.7	82.5	84.4	86.2	82.2	89.0	91.9	93.4
			SC	46.6	59.2	72.0	76.5	49.0	62.9	76.9	81.6	51.4	66.6	81.8	86.7
			PI	7223.0	7288.3	7359.1	7724.0	7297.2	7494.3	7729.9	8080.0	7371.3	7700.2	8100.7	8435.9
		73	TC	92.4	94.5	96.6	98.7	92.9	95.0	97.1	99.2	93.4	95.5	97.6	99.7
			SC	30.3	44.4	55.8	67.1	30.8	45.4	57.6	69.9	31.3	46.4	59.4	72.7
			PI	8906.2	9156.3	9631.9	10032.0	8930.9	9181.0	9656.6	10056.7	8955.7	9205.8	9681.4	10081.5
	105	61	TC	64.9	66.3	67.9	69.4	67.2	68.7	70.3	71.9	69.5	71.1	72.7	74.4
			SC	56.7	59.4	61.6	63.4	61.5	63.5	66.6	68.6	66.3	67.6	71.6	73.8
			PI	7636.9	7862.2	8213.0	8503.2	7750.7	7980.8	8331.7	8626.8	7864.4	8099.5	8450.3	8750.4
		67	TC	77.6	79.4	81.1	83.0	79.5	81.3	83.1	85.0	81.4	83.2	85.1	87.0
			SC	43.4	59.0	68.7	77.7	46.1	60.2	74.5	81.7	48.8	61.4	80.3	85.7
			PI	7823.2	8068.3	8419.2	8764.4	7917.1	8162.3	8518.1	8863.2	8011.0	8256.2	8617.0	8962.1
		73	TC	90.5	92.5	94.7	96.6	90.4	92.4	94.5	96.5	90.3	92.3	94.3	96.4
			SC	29.4	42.6	58.1	70.2	29.3	44.1	59.5	72.2	29.2	45.6	60.9	74.2
			PI	9655.2	9935.3	10515.9	10906.1	9650.3	9930.4	10506.0	10901.1	9645.3	9925.4	10496.1	10896.2
	115	61	TC	52.8	54.2	55.5	57.0	54.7	56.1	57.5	59.0	56.6	58.0	59.5	61.0
			SC	54.6	54.4	54.8	57.8	52.6	54.1	56.0	58.3	50.6	53.8	57.2	58.8
			PI	8213.5	8458.6	8678.9	8974.0	8307.4	8552.6	8777.7	9072.9	8401.4	8646.5	8876.6	9171.8
		67	TC	64.3	65.8	67.5	69.2	66.1	67.7	69.4	71.1	67.9	69.6	71.3	73.0
			SC	34.5	47.7	62.1	68.0	37.2	51.6	65.0	69.9	39.9	55.5	67.9	71.8
			PI	8247.1	8512.3	8868.1	9213.3	8336.1	8606.2	8962.1	9307.2	8425.1	8700.2	9056.0	9401.2
		73	TC	85.0	87.0	89.1	91.2	80.2	82.1	84.1	86.1	75.4	77.2	79.1	81.0
			SC	21.2	33.7	48.5	64.4	21.8	35.8	50.8	66.1	22.4	37.9	53.1	67.8
			PI	9958.8	10258.9	10839.4	11244.5	9721.5	10016.7	10592.2	10992.3	9484.2	9774.4	10345.1	10740.2

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h).
3.SC=SensibleCapacity. (Unit:1000Btu/h) .
4.PI=Power input (unit:W).
5.Different air volume in the above table,need to adjust in the field.

Heating capacity for 7.5ton

Net Capacities(kW)-2830 CFM								
Outdoor Temp(°F)	Peak Net Heating(kW) at Indicated Dry				Peak Total Power(KW) at Indicated Dry			
	59	68	75.2	80.6	59	68	75.2	80.8
15.8	17	16.5	16.4	16.4	7.2	7.9	8.3	8.9
21.2	17.8	17.3	17.1	16.9	7.3	8	8.4	9
26.6	18.8	18.5	18.4	18.1	7.4	8.1	8.6	9.2
32	20.3	20	19.7	19.4	7.5	8.2	8.7	9.3
37.4	23.3	23.1	22.7	22.4	7.6	8.4	8.9	9.4
44.6	30.3	30	29.6	29.2	7.9	8.9	9.2	9.7
48.2	30.5	30.2	29.9	29.6	8.2	9.1	9.6	10.2
53.6	32.4	33.5	33.4	33.1	8.5	9.5	10	10.6
59	35	34.4	34.2	33.8	8.7	9.7	10.2	10.8
64.4	37.1	36.4	36	35.7	9	9.9	10.5	11.1
69.8	39.8	38.9	38.4	37.9	9.1	10.1	10.6	11.1
75.2	42	40.9	40.2	39.8	9.3	10.2	11	11.4

Notes:
1. For other airflows, see heating capacity correction factor tables.
2. Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 8.5ton

Air Flow (CFM)				3000				3250				3500			
Ent (DB)			(°F)	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	86.6	88.5	90.5	92.5	89.1	91.0	93.1	95.2	91.5	93.6	95.7	97.8
			SC	71.5	73.0	74.8	76.5	77.0	78.7	80.5	82.3	82.5	84.4	86.3	88.2
			PI	8302.6	8445.9	8707.6	9001.0	8400.4	8547.1	8808.9	9105.6	8498.3	8648.4	8910.1	9210.2
		67	TC	98.7	101.0	103.2	105.6	99.8	102.0	104.3	106.6	100.8	103.0	105.3	107.6
			SC	54.7	71.0	83.2	98.1	56.7	73.0	87.0	101.3	58.8	74.9	90.9	104.4
			PI	8784.5	8959.6	9207.0	9557.1	8825.0	9000.1	9247.5	9597.6	8865.5	9040.6	9288.0	9638.1
		73	TC	103.3	105.6	107.9	110.2	103.6	106.0	108.3	110.6	104.0	106.3	108.6	111.0
			SC	34.4	49.0	61.1	74.8	34.9	49.7	62.4	76.0	35.4	50.5	63.8	77.2
			PI	9502.6	9702.7	10052.8	10446.1	9516.1	9716.2	10066.3	10463.0	9529.6	9729.7	10079.8	10479.9
	95	61	TC	79.5	81.4	83.2	85.0	82.1	84.0	85.9	87.8	84.8	86.7	88.7	90.6
			SC	67.9	69.5	71.0	72.7	73.5	75.2	76.8	78.6	79.0	80.8	82.7	84.6
			PI	8637.6	8819.3	9077.7	9367.7	8742.2	8923.9	9185.6	9479.0	8846.8	9028.5	9293.6	9590.3
		67	TC	92.5	92.8	95.8	98.8	95.7	97.9	100.1	102.3	99.0	103.0	104.3	105.8
			SC	51.7	66.8	82.7	99.3	54.7	71.1	87.3	100.1	57.7	75.4	91.9	100.8
			PI	8508.3	8601.8	8890.3	9233.7	8636.5	8800.9	9059.0	9372.0	8764.7	9000.0	9227.7	9510.4
		73	TC	102.4	104.7	107.0	109.4	102.7	104.9	107.3	109.7	102.9	105.2	107.5	109.9
			SC	32.9	49.0	61.7	74.6	33.7	50.2	64.1	78.1	34.5	51.3	66.5	81.6
			PI	10064.0	10310.8	10621.8	11025.3	10074.2	10320.9	10631.9	11035.4	10084.3	10331.0	10642.0	11045.5
	105	61	TC	72.2	73.8	75.5	77.3	75.0	76.7	78.5	80.3	77.8	79.6	81.5	83.3
			SC	64.3	65.8	67.4	68.9	69.9	71.6	73.2	74.9	75.6	77.3	79.1	80.9
			PI	8967.7	9196.1	9380.1	9676.9	9079.1	9310.8	9498.2	9795.0	9190.4	9425.5	9616.3	9913.0
		67	TC	86.3	88.2	90.3	92.4	88.5	90.5	92.6	94.7	90.8	92.8	94.9	97.0
			SC	48.8	63.3	78.3	91.4	51.9	68.2	85.0	93.4	55.1	73.0	91.7	95.4
			PI	9225.3	9468.7	9659.4	10006.2	9313.0	9559.8	9750.5	10097.3	9400.8	9650.9	9841.6	10188.4
		73	TC	99.4	101.7	103.9	106.2	100.1	102.4	104.6	106.9	100.8	103.0	105.3	107.6
			SC	31.2	46.2	59.9	73.9	32.0	48.3	63.6	78.6	32.7	50.3	67.3	83.2
			PI	10661.9	10942.0	11349.7	11749.8	10688.9	10969.0	11376.7	11776.8	10715.9	10996.0	11403.7	11803.8
	115	61	TC	60.4	61.9	63.5	65.1	62.9	64.4	66.1	67.7	65.4	67.0	68.6	70.4
			SC	60.0	61.6	63.1	64.7	61.4	63.0	64.5	66.2	62.8	64.3	66.0	67.6
			PI	9314.2	9557.6	9784.3	10077.6	9412.1	9658.8	9885.5	10182.2	9509.9	9760.0	9986.7	10286.8
		67	TC	74.1	74.4	77.7	79.6	75.7	77.5	79.4	81.3	77.4	80.7	81.2	83.1
			SC	40.1	56.0	73.9	75.6	43.3	60.3	76.6	78.4	46.6	64.6	79.4	81.3
			PI	9819.6	10210.6	10275.4	10622.1	9883.7	10155.5	10342.9	10689.6	9947.8	10100.3	10410.3	10757.1
		73	TC	90.3	92.5	94.5	96.8	91.1	93.2	95.4	97.6	91.8	94.0	96.2	98.5
			SC	24.5	39.1	54.2	69.2	25.1	41.5	57.8	73.8	25.7	43.9	61.4	78.4
			PI	10834.0	11134.1	11538.4	11938.5	10864.4	11164.5	11572.1	11972.2	10894.7	11194.8	11605.9	12006.0

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h).
3.SC=SensibleCapacity. (Unit:1000Btu/h) .
4.PI=Power input (unit:W).
5.Different air volume in the above table,need to adjust in the field.

Heating capacity for 8..5ton

Net Capacities(kW)-3500 CFM								
Outdoor Temp(°F)	Peak Net Heating(kW) at Indicated Dry				Peak Total Power(KW) at Indicated Dry			
	59	68	75.2	80.6	59	68	75.2	80.8
15.8	21.4	20.8	20.6	20.6	9.3	9.5	10	10.5
21.2	22.4	21.8	21.6	21.3	9.4	9.7	10.3	10.7
26.6	23.7	23.4	23.2	22.8	9.5	10	10.5	10.9
32	25.5	25.2	24.8	24.5	9.6	10.2	10.7	11.2
37.4	29.4	29.1	28.7	28.3	9.8	10.4	10.9	11.4
44.6	35.4	35	33	32.8	10.1	10.6	11.1	11.6
48.2	38.5	38	37.7	37.3	10.3	10.8	11.3	11.9
53.6	40.9	42.3	42.1	41.7	10.5	11	11.5	12.1
59	44.1	43.4	43.1	42.7	10.7	11.3	11.8	12.5
64.4	46.7	45.9	45.4	45	10.9	11.5	12.1	12.7
69.8	50.1	49.1	48.4	47.8	11.3	11.8	12.3	12.9
75.2	53	51.6	50.7	50.1	11.5	12	12.6	13.2

Notes:
1. For other airflows, see heating capacity correction factor tables.
2. Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 10ton

Air Flow (CFM)				3500				3800				4100			
Ambient Temperature	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	103.6	106.0	108.4	110.7	106.6	109.0	111.4	113.7	109.6	112.0	114.4	116.7
			SC	89.5	91.6	93.7	95.7	92.5	94.6	96.7	98.7	95.5	97.6	99.7	101.7
			PI	9115.8	9427.3	9784.5	10298.9	9374.6	9686.2	10043.3	10557.7	9633.5	9945.0	10302.2	10816.6
		67	TC	116.1	118.8	121.4	124.0	119.1	121.8	124.4	127.0	122.1	124.8	127.4	130.0
			SC	65.9	84.9	101.3	117.8	68.9	87.9	104.3	120.8	71.9	90.9	107.3	123.8
			PI	10196.6	10531.8	10906.2	11439.2	10455.4	10790.6	11165.0	11698.0	10714.3	11049.5	11423.9	11956.9
		73	TC	120.6	123.4	126.1	128.7	123.6	126.4	129.1	131.7	126.6	129.4	132.1	134.7
			SC	40.4	57.8	72.6	88.3	43.4	60.8	75.6	91.3	46.4	63.8	78.6	94.3
			PI	10578.5	10928.7	11311.7	11853.1	10837.3	11187.5	11570.6	12111.9	11096.2	11446.4	11829.4	12370.8
	95	61	TC	95.5	97.8	100.0	102.1	98.5	100.8	103.0	105.1	101.5	103.8	106.0	108.1
			SC	85.4	87.5	89.4	91.4	88.4	90.5	92.4	94.4	91.4	93.5	95.4	97.4
			PI	8494.5	8814.7	9240.9	9755.3	8753.4	9073.6	9499.7	10014.1	9012.2	9332.4	9758.6	10273.0
		67	TC	111.4	114.0	116.5	119.0	114.4	117.0	119.5	122.0	117.4	120.0	122.5	125.0
			SC	63.5	82.7	101.6	116.4	66.5	85.7	104.6	119.4	69.5	88.7	107.6	122.4
			PI	9848.5	10022.5	10454.6	11065.2	10107.4	10261.4	10713.4	11324.1	10366.2	10500.2	10972.3	11582.9
		73	TC	119.5	122.2	124.9	127.6	122.5	125.2	127.9	130.6	125.5	128.2	130.9	133.6
			SC	39.0	58.3	74.5	90.8	42.0	61.3	77.5	93.8	45.0	64.3	80.5	96.8
			PI	10569.8	10920.0	11389.4	11939.4	10828.7	11178.9	11648.2	12198.2	11087.6	11437.8	11907.1	12457.1
	105	61	TC	87.2	89.3	91.3	93.3	90.2	92.3	94.3	96.3	93.2	95.3	97.3	99.3
			SC	81.3	83.3	85.2	87.0	84.3	86.3	88.2	90.0	87.3	89.3	91.2	93.0
			PI	9806.0	10117.6	10457.5	10980.5	10064.9	10376.5	10716.4	11239.4	10323.7	10635.3	10975.2	11498.2
		67	TC	103.0	105.4	107.8	110.1	106.0	108.4	110.8	113.1	109.0	111.4	113.8	116.1
			SC	60.3	79.3	98.9	108.6	63.3	82.3	101.9	111.6	66.3	85.3	104.9	114.6
			PI	11180.2	11506.8	11881.2	12414.2	11439.1	11765.6	12140.0	12673.0	11697.9	12024.5	12398.9	12931.9
		73	TC	116.5	119.2	121.8	124.4	119.5	122.2	124.8	127.4	122.5	125.2	127.8	130.4
			SC	37.0	56.1	74.0	91.3	40.0	59.1	77.0	94.3	43.0	62.1	80.0	97.3
			PI	12347.3	12697.5	13089.2	13639.2	12606.2	12956.4	13348.0	13898.0	12865.0	13215.2	13606.9	14156.9
	115	61	TC	77.0	78.9	80.8	82.6	80.0	81.9	83.8	85.6	83.0	84.9	86.8	88.6
			SC	75.3	77.2	79.0	80.8	78.3	80.2	82.0	83.8	81.3	83.2	85.0	86.8
			PI	10435.3	10746.9	11242.1	11756.5	10694.2	11005.7	11500.9	12015.3	10953.0	11264.6	11759.8	12274.2
		67	TC	92.0	94.2	96.4	98.5	95.0	97.2	99.4	101.5	98.0	100.2	102.4	104.5
			SC	54.2	74.1	93.1	95.1	57.2	77.1	96.1	98.1	60.2	80.1	99.1	101.1
			PI	11802.4	11982.3	12503.4	13036.4	12061.3	12241.2	12762.3	13295.3	12320.1	12500.0	13021.1	13554.1
		73	TC	109.9	112.5	115.0	117.5	112.9	115.5	118.0	120.5	115.9	118.5	121.0	123.5
			SC	32.9	52.2	71.1	89.7	35.9	55.2	74.1	92.7	38.9	58.2	77.1	95.7
			PI	13295.8	13646.0	14193.0	14743.0	13554.7	13904.9	14451.9	15001.9	13813.5	14163.7	14710.7	15260.7

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h).
3.SC=SensibleCapacity. (Unit:1000Btu/h) .
4.PI=Power input (unit:W).
5.Different air volume in the above table,need to adjust in the field.

Heating capacity for 10ton

Net Capacities(kW)-4100 CFM								
Outdoor Temp(°F)	Peak Net Heating(kW) at Indicated Dry				Peak Total Power(KW) at Indicated Dry			
	59	68	75.2	80.6	59	68	75.2	80.8
15.8	25.6	25	24.8	24.8	10.5	11.4	11.9	12.7
21.2	26.7	26	25.8	25.5	10.6	11.5	12.1	12.9
26.6	28.1	27.7	27.5	27.1	10.7	11.6	12.3	13.1
32	30	29.6	29.2	28.9	10.8	11.8	12.5	13.2
37.4	34.1	33.8	33.3	32.9	11	12	12.7	13.4
44.6	40.8	40	39.3	38.7	11.4	11.9	12.9	13.8
48.2	43.7	43.2	42.8	42.4	11.8	13	13.7	14.5
53.6	46.2	47.7	47.5	47.1	12.2	13.5	14.2	15
59	49.6	48.9	48.6	48.1	12.5	13.8	14.5	15.3
64.4	52.4	51.5	51	50.6	12.8	14.1	14.9	15.6
69.8	56	54.9	54.2	53.5	13	14.3	15	15.7
75.2	59	57.5	56.6	56	13.3	14.5	15.5	16

Notes:
1. For other airflows, see heating capacity correction factor tables.
2. Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 12.5ton

Air Flow (CFM)				4000				5000				5500			
Ent (DB)		(°F)		75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	127.3	129.8	132.7	135.3	130.8	133.4	136.3	139.0	134.3	137.0	139.9	142.8
			SC	106.2	108.2	110.6	112.9	113.9	116.1	118.6	121.0	121.5	124.1	126.7	129.2
			PI	10063.2	10360.5	10811.1	11311.4	10392.2	10700.9	11151.5	11663.2	10721.3	11041.3	11492.0	12015.0
		67	TC	144.3	147.3	150.4	153.6	145.8	148.8	151.9	155.0	147.2	150.2	153.3	156.4
			SC	82.7	105.3	122.4	143.1	85.5	108.1	127.8	147.6	88.4	110.9	133.2	152.0
			PI	11682.2	12017.2	12490.6	13023.6	11818.4	12153.4	12626.7	13159.7	11954.6	12289.6	12762.9	13295.9
		73	TC	150.7	153.8	157.0	160.0	151.2	154.3	157.5	160.6	151.7	154.8	158.0	161.2
			SC	54.2	74.5	91.4	110.5	54.9	75.6	93.3	112.2	55.7	76.7	95.2	113.8
			PI	12280.0	12630.0	13114.7	13642.0	12325.4	12675.4	13160.1	13698.7	12370.8	12720.8	13205.5	13755.5
	95	61	TC	117.3	119.9	122.4	124.8	121.1	123.6	126.2	128.7	124.8	127.3	130.0	132.7
			SC	101.1	103.3	105.3	107.6	108.9	111.2	113.5	115.9	116.7	119.1	121.6	124.2
			PI	10131.7	10440.4	11072.6	11561.6	10483.5	10792.2	11435.7	11936.0	10835.3	11144.0	11798.9	12310.5
		67	TC	135.6	136.0	140.0	144.1	140.1	143.0	146.0	149.0	144.7	150.0	152.0	153.9
			SC	78.5	99.5	121.6	144.8	82.7	105.5	128.1	145.9	86.9	111.4	134.6	147.0
			PI	11768.6	11661.0	12440.7	12951.0	12199.8	12330.5	13008.1	13416.3	12631.0	13000.0	13575.5	13881.5
		73	TC	149.5	152.5	155.7	159.0	149.9	152.9	156.1	159.3	150.2	153.2	156.4	159.7
			SC	52.2	74.6	92.2	110.2	53.3	76.2	95.6	115.2	54.3	77.7	99.0	120.1
			PI	13188.3	13527.0	14227.3	14788.6	13222.4	13561.0	14261.3	14822.7	13256.4	13595.1	14295.4	14856.7
	105	61	TC	107.1	109.3	111.6	114.0	111.1	113.4	115.8	118.2	115.1	117.5	120.0	122.4
			SC	96.1	98.1	100.3	102.2	104.0	106.2	108.4	110.6	111.9	114.2	116.6	119.0
			PI	11661.8	11959.1	12387.0	12898.7	12036.3	12344.9	12784.2	13295.9	12410.7	12730.7	13181.4	13693.0
		67	TC	126.9	129.5	132.3	135.1	130.1	132.7	135.6	138.3	133.2	135.9	138.8	141.6
			SC	74.4	94.5	115.5	133.8	78.8	101.4	124.9	136.5	83.3	108.2	134.2	139.3
			PI	13553.2	13865.5	14350.2	14871.9	13848.3	14171.9	14656.6	15178.2	14143.3	14478.3	14963.0	15484.6
		73	TC	145.3	148.3	151.4	154.5	146.3	149.3	152.4	155.5	147.2	150.2	153.3	156.4
			SC	49.8	70.7	89.8	109.3	50.9	73.5	95.0	115.8	51.9	76.4	100.2	122.2
			PI	15297.1	15647.1	16154.5	16704.5	15387.9	15737.9	16245.3	16795.3	15478.7	15828.7	16336.1	16886.1
	115	61	TC	97.1	99.0	101.3	103.3	100.6	102.6	104.9	107.0	104.0	106.2	108.5	110.7
			SC	96.6	98.6	100.7	102.8	98.5	100.6	102.7	104.9	100.4	102.5	104.7	106.9
			PI	13281.6	13578.9	14018.2	14518.5	13610.7	13919.3	14358.6	14870.3	13939.7	14259.7	14699.0	15222.0
		67	TC	116.3	116.5	121.2	123.7	118.6	121.0	123.6	126.1	120.8	125.4	126.0	128.5
			SC	68.6	90.8	115.8	118.1	73.2	96.8	119.6	122.0	77.8	102.8	123.5	126.0
			PI	14941.3	15060.6	15726.9	16248.5	15156.9	15480.5	15953.9	16475.5	15372.5	15900.4	16180.8	16702.5
		73	TC	139.0	141.8	144.7	147.7	140.0	142.9	145.9	148.9	141.1	144.0	147.1	150.1
			SC	46.8	67.2	88.2	109.1	47.6	70.6	93.2	115.5	48.5	73.9	98.3	122.0
			PI	17280.0	17630.0	18126.1	18676.1	17382.1	17732.1	18239.5	18789.5	17484.3	17834.3	18353.0	18903.0

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h).
3.SC=SensibleCapacity. (Unit:1000Btu/h) .
4.PI=Power input (unit:W).
5.Different air volume in the above table,need to adjust in the field.

Heating capacity for 12.5ton

Net Capacities(kW)-5500 CFM								
Outdoor Temp(°F)	Peak Net Heating(kW) at Indicated Dry				Peak Total Power(KW) at Indicated Dry			
	59	68	75.2	80.6	59	68	75.2	80.8
15.8	30.6	30	29.8	29.8	11.8	12.7	13.2	14
21.2	31.7	31	30.8	30.5	11.9	12.8	13.4	14.2
26.6	33.1	32.7	32.5	32.1	12	12.9	13.6	14.4
32	35	34.6	34.2	33.9	12.1	13.1	13.8	14.5
37.4	39.1	38.8	38.3	37.9	12.3	13.3	14	14.7
44.6	45.8	45	44.3	43.7	12.7	13.2	14.2	15.1
48.2	48.7	48.2	47.8	47.4	13.1	14.3	15	15.8
53.6	51.2	52.7	52.5	52.1	13.5	14.8	15.5	16.3
59	54.6	53.9	53.6	53.1	13.8	15.1	15.8	16.6
64.4	57.4	56.5	56	55.6	14.1	15.4	16.2	16.9
69.8	61	59.9	59.2	58.5	14.3	15.6	16.3	17
75.2	64	62.5	61.6	61	14.6	15.8	16.8	17.3

Notes:
1. For other airflows, see heating capacity correction factor tables.
2. Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 15ton

Air Flow (CFM)				6000				6500				7000			
Ambient Temperature	Ent (DB)	(°F)		75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	159.1	159.6	166.9	176.9	163.5	165.6	173.0	182.9	167.9	171.6	179.1	188.9
			SC	124.2	146.0	158.5	167.8	131.4	155.8	166.1	175.5	138.6	165.6	173.7	183.2
			PI	14891.6	15171.7	15852.1	16075.2	15041.6	15321.7	16002.1	16225.2	15191.6	15471.7	16152.1	16375.2
		67	TC	177.8	181.0	184.2	188.2	183.2	185.5	187.7	190.4	188.6	190.0	191.2	192.6
			SC	100.0	122.9	142.6	165.8	104.6	127.8	149.9	173.1	109.2	132.7	157.2	180.4
			PI	15238.1	15518.2	16148.6	16371.7	15388.1	15668.2	16298.6	16521.7	15538.1	15818.2	16448.6	16671.7
		73	TC	191.3	196.1	197.5	200.1	193.5	197.3	199.9	202.4	195.7	198.5	202.3	204.7
			SC	70.7	94.6	114.5	134.4	72.1	96.8	117.1	136.6	73.5	99.0	119.7	138.8
			PI	15738.1	16018.2	16648.6	16871.7	15888.1	16168.2	16798.6	17021.7	16038.1	16318.2	16948.6	17171.7
	95	61	TC	151.4	152.2	157.4	169.6	153.3	157.1	164.6	175.6	155.2	162.0	171.8	181.6
			SC	117.8	142.5	152.5	164.4	125.2	149.8	159.6	170.3	132.6	157.1	166.7	176.2
			PI	15248.0	15498.1	16028.5	16551.6	15398.0	15648.1	16178.5	16701.6	15548.0	15798.1	16328.5	16851.6
		67	TC	164.3	168.4	170.6	176.7	171.6	174.2	176.7	180.4	178.9	180.0	182.8	184.1
			SC	95.6	117.0	138.8	159.6	99.8	123.0	146.2	169.4	104.0	129.0	153.6	179.2
			PI	15320.9	15601.0	15893.8	16416.9	15470.9	15751.0	16043.8	16566.9	15620.9	15901.0	16193.8	16716.9
		73	TC	187.3	190.0	191.9	193.9	188.7	191.1	193.6	196.3	190.1	192.2	195.3	198.7
			SC	67.4	89.9	111.9	130.5	68.9	93.1	114.9	135.4	70.4	96.3	117.9	140.3
			PI	16120.9	16401.0	16693.8	17216.9	16270.9	16551.0	16843.8	17366.9	16420.9	16701.0	16993.8	17516.9
	105	61	TC	137.7	141.5	144.1	161.4	142.6	146.4	153.9	166.3	147.5	151.3	163.7	171.2
			SC	111.2	135.8	138.3	154.9	119.5	140.5	147.7	159.6	127.8	145.2	157.1	164.3
			PI	16460.8	16690.9	16921.3	17644.4	16610.8	16840.9	17071.3	17794.4	16760.8	16990.9	17221.3	17944.4
		67	TC	162.3	163.7	166.1	166.3	163.5	166.1	169.8	171.2	164.7	168.5	173.5	176.1
			SC	80.1	112.0	132.9	161.0	94.5	118.1	141.4	165.9	108.9	124.2	149.9	170.8
			PI	16864.1	16994.2	17487.0	18210.1	17014.1	17144.2	17637.0	18360.1	17164.1	17294.2	17787.0	18510.1
		73	TC	183.1	184.6	185.8	185.9	185.6	187.0	188.3	189.6	188.1	189.4	190.8	193.3
			SC	64.1	86.1	108.0	126.9	65.5	89.2	111.8	133.0	66.9	92.3	115.6	139.1
			PI	17364.1	17494.2	17987.0	18710.1	17514.1	17644.2	18137.0	18860.1	17664.1	17794.2	18287.0	19010.1
	115	61	TC	113.9	116.4	128.8	141.2	117.6	122.6	135.0	147.4	121.3	128.8	141.2	153.6
			SC	94.6	113.9	126.2	138.3	101.7	118.5	130.6	142.6	108.8	123.1	135.0	146.9
			PI	17061.6	17546.7	18032.1	19010.2	17211.6	17696.7	18182.1	19160.2	17361.6	17846.7	18332.1	19310.2
		67	TC	139.8	141.0	141.1	145.7	141.0	143.5	144.8	148.4	142.2	146.0	148.5	151.1
			SC	80.7	94.2	115.3	143.7	85.6	100.7	123.9	147.4	90.5	107.2	132.5	151.1
			PI	18071.2	18201.3	18894.1	19644.2	18221.2	18351.3	19044.1	19794.2	18371.2	18501.3	19194.1	19944.2
		73	TC	155.6	158.3	162.2	163.4	160.6	163.2	165.8	167.1	165.6	168.1	169.4	170.8
			SC	47.9	68.7	92.0	114.2	49.3	72.9	96.3	119.1	50.7	77.1	100.6	124.0
			PI	18751.2	18881.3	19574.1	20324.2	18901.2	19031.3	19724.1	20474.2	19051.2	19181.3	19874.1	20624.2

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h).
3.SC=SensibleCapacity. (Unit:1000Btu/h) .
4.PI=Power input (unit:W).
5.Different air volume in the above table,need to adjust in the field.

Heating capacity for 15ton

Net Capacities(kW)-7000 CFM								
Outdoor Temp(°F)	Peak Net Heating(kW) at Indicated Dry				Peak Total Power(KW) at Indicated Dry			
	59	68	75.2	80.6	59	68	75.2	80.8
15.8	33.9	33	32.7	32.7	14	15.3	16.1	17.3
21.2	35.6	34.5	34.2	33.8	14.1	15.5	16.4	17.6
26.6	37.7	37.1	36.8	36.2	14.3	15.6	16.7	17.9
32	40.5	39.9	39.3	38.9	14.4	15.9	17	18
37.4	46.7	46.2	45.5	44.9	14.7	16.2	17.3	18.3
44.6	56.7	56	54.3	53.7	15.3	17.2	17.9	18.9
48.2	61.1	60.3	59.7	59.1	15.9	17.7	18.8	20
53.6	64.8	67.1	66.8	66.2	16.5	18.5	19.5	20.7
59	69.9	68.9	68.4	67.7	17	18.9	20	21.2
64.4	74.1	72.8	72	71.4	17.4	19.4	20.6	21.6
69.8	79.5	77.9	76.8	75.8	17.7	19.7	20.7	21.8
75.2	84	81.8	80.4	79.5	18.2	20	21.5	22.2

Notes:
1. For other airflows, see heating capacity correction factor tables.
2. Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 17.5ton

Air Flow (CFM)				6400				7000				7600			
Ent (DB)		(°F)		75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	185.6	188.0	196.5	207.7	190.7	193.1	201.6	212.8	195.8	198.2	206.7	217.9
			SC	148.8	176.8	188.5	199.2	153.9	181.9	193.6	204.3	159.0	187.0	198.7	209.4
			PI	13087.1	13343.7	15919.1	16204.6	13977.6	14237.2	16404.4	16689.9	14868.1	15130.7	16889.7	17175.2
		67	TC	208.2	210.8	213.3	216.3	213.3	215.9	218.4	221.4	218.4	221.0	223.5	226.5
			SC	118.1	144.6	170.0	196.5	123.2	149.7	175.1	201.6	128.3	154.8	180.2	206.7
			PI	15361.3	15617.9	18193.3	18478.8	16251.8	16511.4	18678.6	18964.0	17142.3	17404.9	19163.9	19449.3
		73	TC	220.0	224.3	227.3	230.1	225.1	229.4	232.4	235.2	230.2	234.5	237.5	240.3
			SC	80.8	109.1	132.4	154.6	85.9	114.2	137.5	159.7	91.0	119.3	142.6	164.8
			PI	16528.4	16785.0	19060.4	19445.9	17368.9	17628.5	19545.7	19881.2	18209.4	18472.0	20031.0	20316.5
	95	61	TC	173.9	178.2	186.8	199.3	179.0	183.3	191.9	204.4	184.1	188.4	197.0	209.5
			SC	141.7	169.9	181.1	193.2	146.8	175.0	186.2	198.3	151.9	180.1	191.3	203.4
			PI	14883.2	15139.8	17415.3	17800.8	15723.7	15983.3	17900.6	18236.0	16564.2	16826.8	18385.9	18671.3
		67	TC	194.9	197.8	200.7	204.8	200.0	202.9	205.8	209.9	205.1	208.0	210.9	215.0
			SC	112.6	139.1	165.7	192.2	117.7	144.2	170.8	197.3	122.8	149.3	175.9	202.4
			PI	16657.4	16915.0	19189.5	19574.9	17497.9	17757.5	19674.7	20010.2	18338.4	18600.0	20160.0	20445.5
		73	TC	214.5	217.2	220.1	223.1	219.6	222.3	225.2	228.2	224.7	227.4	230.3	233.3
			SC	77.1	104.9	129.8	153.2	82.2	110.0	134.9	158.3	87.3	115.1	140.0	163.4
			PI	18324.5	18581.1	20606.6	21092.0	19115.0	19374.6	21091.9	21477.3	19905.5	20168.1	21577.1	21862.6
	105	61	TC	161.6	166.0	174.6	188.7	166.7	171.1	179.7	193.8	171.8	176.2	184.8	198.9
			SC	135.1	159.2	167.4	181.0	140.2	164.3	172.5	186.1	145.3	169.4	177.6	191.2
			PI	16679.4	16936.0	18961.4	19446.9	17469.9	17729.5	19446.7	19832.2	18260.4	18523.0	19932.0	20217.5
		67	TC	185.6	188.6	192.8	194.3	190.7	193.7	197.9	199.4	195.8	198.8	203.0	204.5
			SC	106.5	133.5	160.2	188.2	111.6	138.6	165.3	193.3	116.7	143.7	170.4	198.4
			PI	18953.5	19210.1	21185.6	21671.1	19744.0	20003.6	21670.9	22056.3	20534.5	20797.1	22156.2	22441.6
		73	TC	210.9	212.5	214.0	215.4	216.0	217.6	219.1	220.5	221.1	222.7	224.2	225.6
			SC	73.2	100.4	126.3	150.5	78.3	105.5	131.4	155.6	83.4	110.6	136.5	160.7
			PI	21383.9	21640.5	23438.0	24023.5	22124.4	22384.0	23923.3	24358.8	22864.9	23127.5	24408.6	24694.1
	115	61	TC	141.2	146.9	161.1	175.3	146.3	152.0	166.2	180.4	151.4	157.1	171.3	185.5
			SC	123.0	142.2	156.1	169.7	128.1	147.3	161.2	174.8	133.2	152.4	166.3	179.9
			PI	18759.7	19016.3	20813.8	21399.3	19500.2	19759.8	21299.1	21734.6	20240.7	20503.3	21784.4	22069.8
		67	TC	168.1	168.0	172.4	175.3	173.2	176.0	177.5	180.4	178.3	184.0	182.6	185.5
			SC	104.5	121.8	148.4	175.3	109.6	126.9	153.5	180.4	114.7	132.0	158.6	185.5
			PI	20893.2	20986.5	22897.3	23482.8	21633.7	21893.3	23382.6	23818.1	22374.2	22800.1	23867.9	24153.4
		73	TC	190.5	193.5	196.5	197.8	195.6	198.6	201.6	202.9	200.7	203.7	206.7	208.0
			SC	62.9	90.0	116.8	142.8	68.0	95.1	121.9	147.9	73.1	100.2	127.0	153.0
			PI	23197.7	23454.3	25101.8	25787.3	23888.2	24147.8	25587.1	26072.5	24578.7	24841.3	26072.4	26357.8

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h).
3.SC=SensibleCapacity. (Unit:1000Btu/h) .
4.PI=Power input (unit:W).
5.Different air volume in the above table,need to adjust in the field.

Heating capacity for 17.5ton

Net Capacities(kW)-7600 CFM								
Outdoor Temp(°F)	Peak Net Heating(kW) at Indicated Dry				Peak Total Power(KW) at Indicated Dry			
	59	68	75.2	80.6	59	68	75.2	80.8
15.8	37.7	36.6	36.2	36.2	15.9	17.3	18.2	19.6
21.2	39.7	38.4	38	37.6	16	17.6	18.6	19.9
26.6	42.2	41.5	41.2	40.4	16.2	17.7	18.9	20.3
32	45.6	44.9	44.2	43.7	16.3	18	19.2	20.4
37.4	53	52.4	51.6	50.9	16.7	18.3	19.6	20.7
44.6	65.5	64	59.9	59.5	17.3	19.5	20.3	21.4
48.2	70.3	69.4	68.6	67.9	18	20	21.3	22.6
53.6	74.8	77.5	77.2	76.4	18.7	20.9	22.1	23.4
59	80.9	79.7	79.1	78.2	19.2	21.4	22.6	24
64.4	85.9	84.4	83.4	82.7	19.7	22	23.3	24.4
69.8	92.4	90.5	89.2	88	20	22.3	23.4	24.7
75.2	97.8	95.2	93.5	92.4	20.6	22.6	24.3	25.1

Notes:
1. For other airflows, see heating capacity correction factor tables.
2. Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 20ton

Air Flow (CFM)				6800				7800				8800			
Ambient Temperature	Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TC	210.3	210.8	220.7	233.4	216.2	218.8	228.6	241.4	222.1	226.8	236.5	249.4
			SC	164.2	193.2	214.0	226.5	173.8	206.0	221.7	234.2	183.4	218.8	229.4	241.9
			PI	19958.3	20056.5	20886.8	20830.5	20278.5	20347.6	20902.9	20918.6	20598.6	20638.7	20919.0	21006.7
		67	TC	235.0	239.2	243.2	248.3	242.2	245.2	247.9	251.3	249.4	251.2	252.6	254.3
			SC	132.2	162.4	188.4	219.0	138.4	168.9	198.0	228.6	144.6	175.4	207.6	238.2
			PI	20905.1	21063.9	21358.2	21680.3	21474.3	21613.6	21796.9	22002.3	22043.4	22163.4	22235.5	22324.4
		73	TC	253.0	259.2	260.7	264.3	255.9	260.8	264.0	267.3	258.8	262.4	267.3	270.3
			SC	93.7	125.1	151.1	177.4	95.5	128.0	154.6	180.3	97.3	130.9	158.1	183.2
			PI	22679.2	22774.2	22901.9	22957.4	22772.2	22857.5	23029.6	23085.1	22865.2	22940.7	23157.3	23212.8
	95	61	TC	200.1	201.1	207.8	223.8	202.7	207.6	217.4	231.8	205.3	214.1	227.0	239.8
			SC	156.0	190.4	203.7	219.6	165.7	198.0	210.8	224.9	175.4	205.6	217.9	230.2
			PI	19336.4	19495.2	20325.4	20269.2	19646.9	19786.3	20341.6	20357.3	19957.4	20077.4	20357.7	20445.4
		67	TC	217.5	220.4	225.6	233.4	227.0	230.2	233.5	238.2	236.5	240.0	241.4	243.0
			SC	126.6	154.6	183.5	210.9	132.1	162.6	193.2	223.7	137.6	170.6	202.9	236.5
			PI	20283.3	20502.6	20796.9	21118.9	20842.7	21052.3	21235.5	21441.0	21402.1	21602.0	21674.2	21763.1
		73	TC	247.7	251.1	253.4	255.8	249.5	252.6	255.7	259.1	251.3	254.1	258.0	262.4
			SC	89.4	118.9	147.6	172.2	91.3	123.1	151.7	178.7	93.2	127.3	155.8	185.2
			PI	22057.3	22212.8	22340.5	22396.1	22140.6	22296.1	22468.2	22523.8	22223.9	22379.4	22596.0	22651.5
	105	61	TC	182.1	187.0	190.2	213.0	188.6	193.5	203.2	219.5	195.1	200.0	216.2	226.0
			SC	147.1	181.4	184.5	206.6	158.1	187.7	197.1	212.9	169.1	194.0	209.7	219.2
			PI	22036.1	22194.9	23025.1	22968.9	22346.6	22486.0	23041.2	23057.0	22657.1	22777.1	23057.4	23145.1
		67	TC	214.5	216.3	219.6	219.5	216.2	219.5	224.4	226.0	217.9	222.7	229.2	232.5
			SC	106.1	148.0	175.6	228.8	125.1	156.1	186.8	219.0	144.1	164.2	198.0	209.2
			PI	22231.1	22450.5	22744.8	23066.8	22790.6	23000.2	23183.4	23388.9	23350.0	23549.9	23622.1	23710.9
		73	TC	242.3	243.8	245.4	245.6	245.5	247.1	248.7	250.4	248.7	250.4	252.0	255.2
			SC	84.7	113.7	142.7	167.6	86.7	117.9	147.7	175.6	88.7	122.1	152.7	183.6
			PI	24905.2	25060.7	25188.4	25243.9	24988.5	25144.0	25316.1	25371.6	25071.8	25227.2	25443.8	25499.3
	115	61	TC	174.1	177.3	193.5	209.8	178.9	185.4	201.6	217.9	183.7	193.5	209.7	226.0
			SC	148.5	172.1	188.0	203.6	157.9	180.0	195.8	211.5	167.3	187.9	203.6	219.4
			PI	23618.2	23777.0	24607.2	24551.0	23928.7	24068.1	24623.4	24639.1	24239.2	24359.2	24639.5	24727.2
		67	TC	191.0	192.8	192.7	196.1	192.7	196.0	197.6	200.9	194.4	199.2	202.5	205.7
			SC	113.1	130.8	158.6	196.1	119.6	139.4	170.0	200.9	126.1	148.0	181.4	205.7
			PI	23813.3	24064.6	24326.9	24648.9	24372.7	24582.3	24765.5	24971.0	24932.1	25100.0	25204.2	25293.1
		73	TC	212.2	215.5	220.3	222.1	218.7	222.0	225.2	226.9	225.2	228.5	230.1	231.7
			SC	69.9	97.2	127.7	157.0	71.7	102.7	133.4	163.5	73.5	108.2	139.1	170.0
			PI	26910.5	27066.0	27193.7	27249.2	26993.8	27149.3	27321.4	27376.9	27077.1	27232.6	27449.1	27504.6

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h).
3.SC=SensibleCapacity. (Unit:1000Btu/h) .
4.PI=Power input (unit:W).
5.Different air volume in the above table,need to adjust in the field.

Heating capacity for 20ton

Net Capacities(kW)-8800 CFM								
Outdoor Temp(°F)	Peak Net Heating(kW) at Indicated Dry				Peak Total Power(KW) at Indicated Dry			
	59	68	75.2	80.6	59	68	75.2	80.8
15.8	45.2	44	43.6	43.6	19	20.8	21.8	23.4
21.2	47.4	46	45.6	45	19.2	21	22.2	23.8
26.6	50.2	49.4	49	48.2	19.4	21.2	22.6	24.2
32	54	53.2	52.4	51.8	19.6	21.6	23	24.4
37.4	62.2	61.6	60.6	59.8	20	22	23.4	24.8
44.6	75.8	75	74.2	73.6	20.8	23.6	24.2	25.6
48.2	81.4	80.4	79.6	78.8	21.6	24	25.4	27
53.6	86.4	89.4	89	88.2	22.4	25	26.4	28
59	93.2	91.8	91.2	90.2	23	25.6	27	28.6
64.4	98.8	97	96	95.2	23.6	26.2	27.8	29.2
69.8	106	103.8	102.4	101	24	26.6	28	29.4
75.2	112	109	107.2	106	24.6	27	29	30

Notes:
1. For other airflows, see heating capacity correction factor tables.
2. Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 25ton

Air Flow(CFM)				8000				9000				10000				11000			
Ent (DB)			(℉)	75	80	85	90	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	266.8	272.4	278.2	284.0	274.0	279.8	285.7	291.7	280.8	286.7	292.7	298.9	286.0	292.0	298.2	304.4
			SC	231.5	236.4	241.5	246.6	247.5	252.8	258.1	263.6	262.5	268.1	273.7	279.5	276.3	282.1	288.0	294.1
			PI	25732.7	25932.6	26004.8	26132.5	26022.7	26222.6	26294.8	26422.5	26312.7	26512.6	26584.8	26712.5	26602.7	26802.6	26874.8	27002.5
		67	TC	298.0	304.3	310.7	317.2	301.0	307.3	313.8	320.4	303.8	310.1	316.6	323.3	305.3	311.7	318.2	324.9
			SC	172.5	219.6	265.5	301.8	178.5	230.4	284.7	311.1	187.0	262.9	281.0	315.8	213.5	258.9	288.2	317.8
			PI	26232.7	26432.6	26504.8	26632.5	26522.7	26722.6	26794.8	26922.5	26812.7	27012.6	27084.8	27212.5	27102.7	27302.6	27374.8	27502.5
		73	TC	309.3	315.7	322.4	329.1	310.3	316.8	323.4	330.2	311.0	317.5	324.2	331.0	314.0	320.6	327.3	334.2
			SC	108.8	161.9	198.5	238.1	110.3	164.1	205.5	256.6	112.0	169.9	220.7	260.8	113.8	178.6	225.2	268.1
			PI	26809.0	27013.3	27086.8	27217.1	27119.0	27323.3	27396.8	27527.1	27429.0	27633.3	27706.8	27837.1	27739.0	27943.3	28016.8	28147.1
	95	61	TC	246.5	251.7	257.1	262.5	254.3	259.6	265.1	270.8	261.8	267.3	272.9	278.7	267.3	272.9	278.7	284.6
			SC	221.3	226.0	230.8	235.7	237.5	242.6	247.7	253.0	253.0	258.8	263.8	269.4	260.8	266.3	271.9	277.7
			PI	26500.5	26682.6	26749.6	26866.6	26750.5	26932.6	26999.6	27116.6	27000.5	27182.6	27249.6	27366.6	27250.5	27432.6	27499.6	27616.6
		67	TC	273.8	279.5	285.4	291.4	278.3	289.6	295.7	301.9	294.0	300.0	306.5	312.9	297.3	303.5	309.9	316.4
			SC	166.5	214.1	258.7	298.3	175.3	226.6	274.7	300.6	183.0	257.8	270.7	310.8	190.0	250.1	279.0	284.8
			PI	28710.1	28910.0	28982.2	29109.9	29000.1	29200.0	29272.2	29399.9	29300.1	29500.0	29572.2	29699.9	29766.5	29855.4	29927.6	29999.7
		73	TC	306.5	312.9	319.5	326.2	307.3	313.7	320.3	327.0	309.0	315.5	322.1	328.9	309.8	316.3	322.9	329.7
			SC	105.3	153.1	193.5	234.3	107.5	156.4	200.5	252.1	108.3	158.6	209.2	251.6	110.5	171.4	209.5	256.8
			PI	30599.0	30808.0	30882.9	31016.2	30909.0	31118.0	31192.9	31326.2	31219.0	31428.0	31502.9	31636.2	31529.0	31738.0	31812.9	31946.2
	105	61	TC	237.2	242.0	246.9	251.9	245.4	250.4	255.5	260.7	250.4	255.5	260.7	266.0	259.7	264.9	270.3	275.8
			SC	222.4	226.9	231.5	236.3	238.9	243.8	248.7	253.8	234.4	239.2	244.0	249.0	253.9	259.1	264.3	269.7
			PI	29487.9	29670.0	29737.0	29854.0	29737.9	29920.0	29987.0	30104.0	29987.9	30170.0	30237.0	30354.0	30237.9	30420.0	30487.0	30604.0
		67	TC	276.7	282.3	288.0	293.8	283.2	288.9	294.8	300.7	287.4	293.2	299.2	305.2	291.7	297.6	303.6	309.7
			SC	169.9	217.0	265.9	290.2	179.2	231.3	281.1	296.0	186.4	246.8	276.9	292.7	195.4	258.0	281.1	292.0
			PI	32197.5	32397.4	32469.6	32597.3	32487.5	32687.4	32759.6	32887.3	32787.5	32987.4	33059.6	33187.3	33253.9	33342.8	33414.9	33487.1
		73	TC	310.4	316.7	323.1	329.6	312.4	318.7	325.2	331.8	313.9	320.3	326.7	333.4	315.4	321.8	328.3	334.9
			SC	111.7	159.0	198.6	235.0	113.9	165.0	204.4	260.5	115.2	164.8	210.9	258.2	116.7	175.3	211.6	257.2
			PI	35028.6	35245.5	35322.5	35460.3	35338.6	35555.5	35632.5	35770.3	35648.6	35865.5	35942.5	36080.3	35958.6	36175.5	36252.5	36390.3
	115	61	TC	209.7	214.1	218.6	223.2	216.9	221.5	226.1	230.8	224.7	229.4	234.2	239.1	233.4	238.3	243.3	248.4
			SC	205.4	209.7	214.1	218.6	209.4	213.8	218.3	222.9	219.4	224.0	228.7	233.5	229.7	234.5	239.4	244.4
			PI	34204.3	34386.4	34453.4	34570.4	34454.3	34636.4	34703.4	34820.4	34704.3	34886.4	34953.4	35070.4	34954.3	35136.4	35203.4	35320.4
		67	TC	247.2	252.3	257.6	263.0	251.9	257.2	262.5	268.0	257.9	263.3	268.8	274.4	264.4	269.9	275.5	281.3
			SC	152.7	202.0	249.4	254.6	162.2	214.5	257.4	262.7	170.9	229.3	262.4	270.5	179.2	243.0	269.9	275.5
			PI	36913.9	37113.8	37186.0	37313.7	37203.9	37403.8	37476.0	37603.7	37503.9	38129.8	38230.0	38303.7	38370.3	38459.2	38531.3	38603.5
		73	TC	291.9	298.0	304.1	310.4	294.2	300.3	306.5	312.8	295.9	302.0	308.3	314.7	296.7	302.8	309.1	315.5
			SC	99.4	147.3	186.6	216.0	101.2	154.3	189.6	247.0	103.2	153.5	196.9	242.5	104.7	161.8	197.1	243.5
			PI	41784.2	42008.1	42084.6	42225.3	42094.2	42318.1	42394.6	42535.3	42404.2	42628.1	42704.6	42845.3	42714.2	42938.1	43014.6	43155.3

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h)
3.SC=SensibleCapacity. (Unit:1000Btu/h)
4.different air volume in the above table,need to adjust in the field

Heating capacity for 25ton

Outdoor Temp(°F) 70%	Net Capacities(kW)-10000 CFM							
	Peak Net Heating(kW) at Indicated Dry Bulb(°F)				Peak Total Power (kW) at Indicated Dry Bulb(°F)			
	59	70	75	80	59	70	75	80
23	52.6	50.4	49.8	49.0	30.2	33.0	34.8	37.2
27	56.8	55.6	55.0	53.8	30.6	33.2	35.4	37.8
32	62.4	61.2	60.0	59.2	30.8	33.8	36.0	38.0
37	74.8	73.8	72.4	71.2	31.4	34.4	36.6	38.6
43	88.8	87.4	86.2	85.6	32.6	35.0	37.8	39.8
48	103.6	102.0	100.8	99.6	33.8	37.4	39.6	42.0
54	111.0	115.6	115.0	113.8	35.0	39.0	41.0	43.4
60	121.2	119.2	118.2	116.8	36.0	39.8	42.0	44.4
64	129.6	127.0	125.4	124.2	36.8	40.8	43.2	45.2
70	140.4	137.2	135.0	133.0	37.4	41.4	43.4	45.6
75	149.4	145.0	142.2	140.4	38.4	42.0	45.0	46.4

Notes:
1.For other air volume, the heating capacity will be changed accordingly.
2.Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 30ton

Air Flow(CFM)				9000				10000				11200				12500			
Ent(DB)			(°F)	75	80	85	90	75	80	85	90	75	80	85	90	75	80	85	90
Ambient Temperature	85	61	TC	286.2	287.0	300.9	320.1	294.7	298.6	312.7	331.7	303.2	310.2	324.5	343.3	306.9	315.2	336.3	352.7
			SC	223.1	264.9	289.0	312.7	237.0	283.9	303.7	321.6	250.9	302.9	318.4	330.5	265.2	306.0	326.3	342.1
			PI	27590.5	28199.3	29442.9	31077.9	27790.5	28399.3	29642.9	31277.9	27990.5	28599.3	29842.9	31477.9	28190.5	28799.3	30042.9	31677.9
		67	TC	322.3	328.4	334.3	342.0	332.8	337.1	341.1	346.2	343.3	345.8	347.9	350.4	347.7	350.6	352.7	355.6
			SC	176.2	220.3	258.1	302.9	185.1	229.8	272.3	317.0	194.0	239.3	286.5	331.1	197.7	246.4	295.9	325.4
			PI	30877.9	31095.4	31278.0	31495.4	31177.9	31395.4	31578.0	31795.4	31477.9	31695.4	31878.0	32095.4	31777.9	31995.4	32178.0	32395.4
		73	TC	348.4	357.6	360.0	365.0	352.7	359.9	364.7	369.4	357.0	362.2	369.4	373.8	361.8	367.0	371.5	376.3
			SC	119.6	165.7	203.8	242.1	122.3	169.9	208.9	246.4	125.0	174.1	214.0	250.7	127.5	175.9	217.8	247.0
			PI	31869.4	32321.6	32947.8	33330.5	32269.4	32721.6	33347.8	33730.5	32669.4	33121.6	33747.8	34130.5	33069.4	33521.6	34147.8	34530.5
	95	61	TC	271.3	245.5	282.6	305.9	275.0	282.2	296.5	317.5	278.7	318.9	310.4	329.1	289.3	296.5	319.9	338.6
			SC	210.7	262.9	277.4	300.2	225.0	272.3	291.1	311.6	239.3	281.7	304.8	323.0	253.6	291.1	313.9	332.3
			PI	31799.9	35630.0	34820.2	36601.9	31999.9	35830.0	35020.2	36801.9	32199.9	36030.0	35220.2	37001.9	32399.9	36230.0	35420.2	37201.9
		67	TC	313.6	316.0	318.4	329.9	320.7	325.5	330.2	337.1	327.8	335.0	342.0	344.3	346.6	349.3	351.6	353.6
			SC	115.8	156.9	222.9	300.8	175.9	220.5	265.2	309.8	236.0	284.1	307.5	318.8	238.7	255.5	299.6	324.9
			PI	36278.0	36964.0	37630.9	37850.1	36578.0	37264.0	37930.9	38150.1	36878.0	37564.0	38230.9	38450.1	37178.0	37864.0	38530.9	38750.1
		73	TC	340.8	345.8	349.2	353.0	343.5	347.9	352.5	357.6	346.2	350.0	355.8	362.2	349.4	354.1	358.9	361.2
			SC	113.2	156.5	198.9	234.6	116.1	162.7	204.7	244.1	119.0	168.9	210.5	253.6	121.5	172.0	216.1	260.5
			PI	37831.1	38193.2	38745.8	39355.6	38231.1	38593.2	39145.8	39755.6	38631.1	38993.2	39545.8	40155.6	39031.1	39393.2	39945.8	40555.6
	105	61	TC	244.8	252.0	256.9	290.2	254.3	261.5	275.8	299.6	263.8	271.0	294.7	309.0	268.6	280.4	306.5	328.0
			SC	198.0	245.4	249.9	281.8	214.0	254.4	268.1	290.9	230.0	263.4	286.3	300.0	244.3	275.6	301.0	317.6
			PI	35522.3	36409.3	39329.2	41091.0	35722.3	36609.3	39529.2	41291.0	35922.3	36809.3	39729.2	41491.0	36122.3	37009.3	39929.2	41691.0
		67	TC	292.3	295.0	299.3	299.5	294.7	299.6	306.5	309.0	297.1	304.2	313.7	318.5	313.7	318.5	323.3	328.0
			SC	137.7	199.4	239.5	293.6	165.6	211.1	255.9	303.1	193.5	222.8	272.3	312.6	181.1	234.6	286.5	321.8
			PI	39424.9	40299.6	41470.0	42061.4	39724.9	40599.6	41770.0	42361.4	40024.9	40899.6	42070.0	42661.4	40324.9	41199.6	42370.0	42961.4
		73	TC	332.7	335.4	337.5	337.4	337.5	340.0	342.3	344.6	342.3	344.6	347.1	351.8	347.1	349.4	351.8	353.7
			SC	106.9	149.2	191.4	227.7	109.6	155.2	198.7	239.5	112.3	161.2	206.0	251.3	114.8	167.0	212.0	258.0
			PI	44793.6	45077.0	45385.0	45964.0	45193.6	45477.0	45785.0	46364.0	45593.6	45877.0	46185.0	46764.0	45993.6	46277.0	46585.0	47164.0
	115	61	TC	239.3	244.0	267.8	291.6	246.5	256.0	279.8	303.6	253.7	268.0	291.8	315.6	260.9	265.9	286.2	327.4
			SC	196.4	233.5	257.1	280.3	210.1	242.4	265.6	288.6	223.8	251.3	274.1	296.9	236.0	250.0	262.7	301.6
			PI	40814.3	42591.9	45550.4	48508.9	41014.3	42791.9	45750.4	48708.9	41214.3	42991.9	45950.4	48908.9	41414.3	43191.9	46150.4	49108.9
		67	TC	299.5	301.5	303.5	306.5	301.8	306.4	308.7	313.6	304.1	311.3	313.9	320.7	320.7	325.6	332.5	340.8
			SC	195.2	221.1	261.5	306.7	204.6	233.6	278.2	302.7	214.0	246.1	294.9	298.7	228.5	262.0	301.8	305.7
			PI	46079.3	46974.3	47297.5	48142.8	47179.3	48074.3	48397.5	49242.8	48279.3	49174.3	49497.5	50342.8	48579.3	49474.3	49797.5	50642.8
		73	TC	310.1	315.0	322.3	324.6	319.7	324.5	329.3	331.7	329.3	334.0	336.3	338.8	336.3	338.8	341.1	343.5
			SC	103.1	146.1	191.0	233.8	108.8	154.2	199.3	243.2	114.5	162.3	207.6	252.6	117.1	167.2	217.1	266.9
			PI	49811.9	50396.1	50682.0	50992.8	50211.9	50796.1	51082.0	51392.8	50611.9	51196.1	51482.0	51792.8	51011.9	51596.1	51882.0	52192.8

Notes:
1.All capacities are net and have considered indoor fan heat.
2.TC=Total Capacity. (Unit:1000Btu/h)
3.SC=SensibleCapacity. (Unit:1000Btu/h)
4.different air volume in the above table,need to adjust in the field

Heating capacity for 30ton

Outdoor Temp(°F) 70% RH	Net Capacities(kW)-11200 CFM							
	Peak Net Heating(kW) at Indicated Dry Bulb(°F)				Peak Total Power (kW) at Indicated Dry Bulb(°F)			
	59	70	75	80	59	70	75	80
23	76.5	74.3	73.7	72.9	31.7	34.5	36.3	38.7
27	80.7	79.5	78.9	77.7	32.1	34.7	36.9	39.3
32	86.3	85.1	83.9	83.1	32.3	35.3	37.5	39.5
37	98.7	97.7	96.3	95.1	32.9	35.9	38.1	40.1
43	112.7	111.3	110.1	109.5	34.1	36.5	39.3	41.3
48	127.5	125.9	124.7	123.5	35.3	38.9	41.1	43.5
54	134.9	139.5	138.9	137.7	36.5	40.5	42.5	44.9
60	145.1	143.1	142.1	140.7	37.5	41.3	43.5	45.9
64	153.5	150.9	149.3	148.1	38.3	42.3	44.7	46.7
70	164.3	161.1	158.9	156.9	38.9	42.9	44.9	47.1
75	173.3	168.9	166.1	164.3	39.9	43.5	46.5	47.9

Notes:
1.For other air volume, the heating capacity will be changed accordingly.
2.Heating capacities and power are integrated to include the effects of defrost in the frost region.

Blower Drive Options

Power supply	Nominal capacity (ton)	MOTOR			BLOWER		
		HP	RPM	Pulley pitch Dia. (inch)	Speed range (RPM)		Pulley pitch Dia. (inch)
					Minimum	Maximum	
380~415V, 3N,50Hz	8.5	2	1400	4.53~5.25	821	918	8.35
	10	2	1400	4.53~5.25	931	1016	7.48
	12.5	4	1420	4.53~5.25	769	871	8.82
	15	5.3	1440	4.53~5.25	949	1112	7.48
	17.5	5.3	1440	4.53~5.25	927	1045	9.84
	20	5.3	1440	4.53~5.25	1081	1284	5.91
	25	7.3	1440	4.53~5.25	925	1088	7.09
	30	7.3	1440	4.53~5.25	1022	1195	6.30

Fan performance data

Model: 6.2ton (Direct drive motor)

Static pressure (Pa)		High speed	Middle speed	Low speed
0	Fan speed(RPM)	1001	901	810
	Power input(W)	1665	1386	1164
	Air flow(CFM)	3001	2647	2356
50	Fan speed(RPM)	1063	972	899
	Power input(W)	1607	1341	1133
	Air flow(CFM)	2909	2564	2270
80	Fan speed(RPM)	1098	1016	946
	Power input(W)	1582	1317	1120
	Air flow(CFM)	2825	2503	2190
100	Fan speed(RPM)	1122	1047	977
	Power input(W)	1526	1280	1079
	Air flow(CFM)	2759	2401	2105
150	Fan speed(RPM)	1173	1106	/
	Power input(W)	1452	1230	/
	Air flow(CFM)	2560	2250	/
200	Fan speed(RPM)	1219	1162	/
	Power input(W)	1375	1182	/
	Air flow(CFM)	2367	2109	/
250	Fan speed(RPM)	1265	/	/
	Power input(W)	1305	/	/
	Air flow(CFM)	2182	/	/

Model: 7.5ton (Direct drive motor)

Static pressure (Pa)		High speed	Middle speed	Low speed
0	Fan speed(RPM)	1035	936	844
	Power input(W)	1716	1432	1197
	Air flow(CFM)	3074	2697	2403
50	Fan speed(RPM)	1081	991	909
	Power input(W)	1652	1409	1160
	Air flow(CFM)	2981	2596	2284
80	Fan speed(RPM)	1110	1026	954
	Power input(W)	1650	1360	1137
	Air flow(CFM)	2951	2574	2223
100	Fan speed(RPM)	1127	1051	984
	Power input(W)	1591	1377	1126
	Air flow(CFM)	2825	2438	2146
150	Fan speed(RPM)	1173	1110	/
	Power input(W)	1525	1338	/
	Air flow(CFM)	2657	2313	/
200	Fan speed(RPM)	1217	1165	/
	Power input(W)	1449	1281	/
	Air flow(CFM)	2483	2187	/
250	Fan speed(RPM)	1263	/	/
	Power input(W)	1420	/	/
	Air flow(CFM)	2331	/	/

Model: 8.5ton

External static pressure (ESP)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5
0	Fan speed(RPM)	896	887	876	866	855	847	839	830	821
	Power input(W)	1790	1720	1710	1665	1620	1560	1500	1445	1390
	Air flow(CFM)	4320	4213	4166	4130	4094	4041	3988	3946	3905
25	Fan speed(RPM)	899	890	878	867	857	849	842	849	823
	Power input(W)	1710	1640	1630	1590	1550	1490	1430	1378	1325
	Air flow(CFM)	4134	4035	3987	3943	3899	3855	3810	3761	3713
50	Fan speed(RPM)	902	893	880	869	858	851	844	851	825
	Power input(W)	1630	1560	1550	1515	1480	1420	1360	1310	1260
	Air flow(CFM)	3947	3858	3808	3756	3705	3669	3632	3577	3521
75	Fan speed(RPM)	904	896	880	871	862	854	847	854	827
	Power input(W)	1555	1485	1467	1436	1405	1345	1285	1235	1185
	Air flow(CFM)	3770	3675	3620	3570	3520	3470	3420	3364	3307
100	Fan speed(RPM)	907	896	885	876	866	858	849	858	828
	Power input(W)	1470	1400	1390	1360	1330	1265	1200	1150	1100
	Air flow(CFM)	3582	3483	3428	3321	3215	3215	3215	3154	3092
125	Fan speed(RPM)	910	900	886	877	869	860	852	860	830
	Power input(W)	1375	1310	1295	1265	1235	1175	1115	1065	1015
	Air flow(CFM)	3362	3266	3206	3122	3039	3005	2971	2901	2831
150	Fan speed(RPM)	913	903	887	879	871	863	854	863	832
	Power input(W)	1280	1220	1200	1170	1140	1085	1030	980	930
	Air flow(CFM)	3141	3048	2984	2924	2864	2795	2727	2649	2570
175	Fan speed(RPM)	915	906	892	883	874	865	857	/	/
	Power input(W)	1170	1115	1095	1068	1040	945	850	/	/
	Air flow(CFM)	2851	2761	2683	2619	2555	2325	2094	/	/
200	Fan speed(RPM)	918	909	897	887	876	868	859	/	/
	Power input(W)	1060	1010	990	965	940	805	670	/	/
	Air flow(CFM)	2560	2473	2383	2315	2246	1854	1462	/	/

Note:
Legend: X: Regulation Space of Motor Pulley (mm).
N: Number of Turns.
ESP: External Static Pressure (Pa).
The factory default value N=1.5.

Model: 10ton

ESP(Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5
0	Fan speed(RPM)	/	/	/	/	/	/	962	946	931
	Power input(W)	/	/	/	/	/	/	2020	1945	1870
	Air flow(CFM)	/	/	/	/	/	/	4571	4500	4428
25	Fan speed(RPM)	/	/	/	/	/	969	964	969	933
	Power input(W)	/	/	/	/	/	2010	1930	1855	1780
	Air flow(CFM)	/	/	/	/	/	4442	4398	4323	4248
50	Fan speed(RPM)	/	/	/	/	977	972	967	972	935
	Power input(W)	/	/	/	/	1990	1915	1840	1765	1690
	Air flow(CFM)	/	/	/	/	4320	4272	4224	4146	4067
75	Fan speed(RPM)	/	/	/	981	980	975	970	975	937
	Power input(W)	/	/	/	1998	1915	1843	1770	1695	1620
	Air flow(CFM)	/	/	/	4214	4183	4127	4072	3997	3922
100	Fan speed(RPM)	/	/	986	984	982	977	972	977	938
	Power input(W)	/	/	2000	1900	1800	1730	1660	1590	1520
	Air flow(CFM)	/	/	4129	4052	3974	3905	3835	3771	3707
125	Fan speed(RPM)	/	989	989	987	985	980	975	980	940
	Power input(W)	/	1980	1960	1833	1705	1635	1565	1495	1425
	Air flow(CFM)	/	3953	4065	3927	3789	3719	3648	3579	3509
150	Fan speed(RPM)	1009	991	991	990	988	983	978	983	942
	Power input(W)	2050	1880	1865	1738	1610	1540	1470	1400	1330
	Air flow(CFM)	3830	3778	3891	3748	3605	3532	3460	3386	3312
175	Fan speed(RPM)	1011	993	994	992	990	/	/	/	/
	Power input(W)	1945	1775	1770	1638	1505	/	/	/	/
	Air flow(CFM)	3656	3586	3718	3549	3381	/	/	/	/
200	Fan speed(RPM)	1012	995	997	995	993	/	/	/	/
	Power input(W)	1840	1670	1660	1530	1400	/	/	/	/
	Air flow(CFM)	3481	3394	3517	3337	3157	/	/	/	/
225	Fan speed(RPM)	1014	996	1000	/	/	/	/	/	/
	Power input(W)	1725	1545	1550	/	/	/	/	/	/
	Air flow(CFM)	3292	3148	3316	/	/	/	/	/	/
250	Fan speed(RPM)	1016	998	1002	/	/	/	/	/	/
	Power input(W)	1610	1420	1425	/	/	/	/	/	/
	Air flow(CFM)	3104	2902	3048	/	/	/	/	/	/

Note:
Legend: X: Regulation Space of Motor Pulley (mm).
N: Number of Turns.
ESP: External Static Pressure (Pa).
The factory default value N=1.5.

Model: 12.5ton

ESP(Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5
0	Fan speed(RPM)	857	849	840	828	816	806	795	784	774	772	769
	Power input(W)	3530	3445	3360	3225	3090	3000	2910	2810	2710	2620	2530
	Air flow(CFM)	6773	6718	6662	6575	6487	6395	6302	6230	6158	6103	6049
25	Fan speed(RPM)	858	850	841	829	817	807	796	785	775	772	770
	Power input(W)	3415	3323	3230	3103	2975	2878	2780	2690	2600	2513	2425
	Air flow(CFM)	6571	6503	6435	6354	6272	6176	6079	6004	5929	5872	5815
50	Fan speed(RPM)	859	851	842	830	818	808	797	787	776	773	770
	Power input(W)	3300	3200	3100	2980	2860	2755	2650	2570	2490	2405	2320
	Air flow(CFM)	6368	6288	6208	6133	6057	5956	5856	5778	5699	5641	5582
75	Fan speed(RPM)	861	852	843	831	819	809	798	788	777	774	771
	Power input(W)	3175	3078	2980	2868	2755	2643	2530	2455	2380	2278	2175
	Air flow(CFM)	6151	6069	5987	5901	5814	5711	5608	5534	5461	5363	5265
100	Fan speed(RPM)	862	853	844	832	821	810	799	789	778	775	772
	Power input(W)	3050	2955	2860	2755	2650	2530	2410	2340	2270	2150	2030
	Air flow(CFM)	5933	5850	5766	5669	5571	5465	5359	5291	5222	5085	4948
125	Fan speed(RPM)	863	854	845	833	822	811	800	790	779	776	773
	Power input(W)	2900	2800	2700	2583	2465	2358	2250	2183	2115	1983	1850
	Air flow(CFM)	5645	5538	5432	5361	5290	5179	5067	4977	4887	4694	4500
150	Fan speed(RPM)	864	855	846	834	823	812	801	791	780	777	774
	Power input(W)	2800	2700	2600	2475	2350	2245	2140	2075	2010	1860	1710
	Air flow(CFM)	5456	5347	5238	5169	5101	4978	4856	4754	4652	4398	4144
175	Fan speed(RPM)	865	856	847	835	824	813	802	792	781	778	774
	Power input(W)	2635	2535	2435	2323	2210	2103	1995	1925	1855	1713	1570
	Air flow(CFM)	5187	5066	4946	4870	4794	4656	4519	4397	4275	4031	3788
200	Fan speed(RPM)	866	857	848	836	825	814	804	793	782	/	/
	Power input(W)	2470	2370	2270	2170	2070	1960	1850	1775	1700	/	/
	Air flow(CFM)	4917	4786	4654	4571	4488	4335	4182	4040	3898	/	/
225	Fan speed(RPM)	868	859	849	837	826	815	805	794	783	/	/
	Power input(W)	2295	2203	2110	2000	1890	1788	1685	1608	1530	/	/
	Air flow(CFM)	4575	4434	4293	4187	4082	3922	3763	3622	3481	/	/
250	Fan speed(RPM)	869	860	850	838	827	816	806	795	784	/	/
	Power input(W)	2120	2035	1950	1830	1710	1615	1520	1440	1360	/	/
	Air flow(CFM)	4232	4082	3932	3804	3676	3510	3344	3204	3064	/	/
275	Fan speed(RPM)	870	861	851	839	828	/	/	/	/	/	/
	Power input(W)	1950	1855	1760	1675	1590	/	/	/	/	/	/
	Air flow(CFM)	3816	3674	3533	3423	3314	/	/	/	/	/	/

Note:
Legend: X: Regulation Space of Motor Pulley (mm).
N: Number of Turns.
ESP: External Static Pressure (Pa).
The factory default value N=1.5.

Model: 15ton

ESP (Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5
0	Fan speed(RPM)	/	/	1008	999	989	979	969	959	949
	Power input(W)	/	/	5146	4968	4790	4575	4360	4155	3950
	Air flow(CFM)	/	/	7928	7867	7805	7686	7566	7452	7338
25	Fan speed(RPM)	/	/	1014	1003	991	983	974	964	953
	Power input(W)	/	/	5043	4824	4605	4418	4230	4025	3820
	Air flow(CFM)	/	/	7791	7691	7592	7473	7353	7239	7124
50	Fan speed(RPM)	/	1022	1020	1006	993	986	979	968	957
	Power input(W)	/	4954	4940	4680	4420	4260	4100	3895	3690
	Air flow(CFM)	/	7700	7653	7516	7379	7259	7139	7025	6910
75	Fan speed(RPM)	1031	1026	1022	1009	995	989	982	971	960
	Power input(W)	4870	4810	4750	4495	4240	4088	3935	3745	3555
	Air flow(CFM)	7622	7529	7436	7313	7191	7048	6904	6790	6675
100	Fan speed(RPM)	1035	1028	1021	1008	995	988	982	971	959
	Power input(W)	4770	4665	4560	4310	4060	3915	3770	3595	3420
	Air flow(CFM)	7475	7347	7219	7111	7002	6836	6669	6554	6439
125	Fan speed(RPM)	1050	1044	1039	1026	1013	1006	998	990	981
	Power input(W)	4510	4440	4370	4123	3875	3760	3645	3465	3285
	Air flow(CFM)	7113	7046	6979	6844	6708	6571	6434	6297	6159
150	Fan speed(RPM)	1060	1056	1052	1039	1026	1021	1015	1005	995
	Power input(W)	4350	4290	4230	4005	3780	3695	3610	3410	3210
	Air flow(CFM)	6899	6863	6828	6679	6531	6411	6291	6134	5976
175	Fan speed(RPM)	1070	1065	1060	1049	1039	1032	1025	1017	1008
	Power input(W)	4170	4078	3985	3808	3630	3518	3405	3248	3090
	Air flow(CFM)	6658	6609	6559	6419	6279	6161	6043	5859	5675
200	Fan speed(RPM)	1082	1074	1067	1059	1051	1044	1036	1028	1020
	Power input(W)	3990	3865	3740	3610	3480	3340	3200	3085	2970
	Air flow(CFM)	6418	6354	6291	6159	6027	5911	5794	5584	5375
225	Fan speed(RPM)	1089	1082	1074	1065	1056	1048	1040	1033	1027
	Power input(W)	3855	3728	3600	3455	3310	3180	3050	2928	2805
	Air flow(CFM)	6194	6108	6022	5879	5736	5600	5464	5269	5075
250	Fan speed(RPM)	1097	1089	1082	1072	1061	1053	1044	1038	1033
	Power input(W)	3720	3590	3460	3300	3140	3020	2900	2770	2640
	Air flow(CFM)	5971	5862	5754	5600	5446	5289	5133	4954	4776
275	Fan speed(RPM)	1104	1095	1086	1076	1065	/	/	/	/
	Power input(W)	3595	3438	3280	3115	2950	/	/	/	/
	Air flow(CFM)	5705	5585	5464	5308	5151	/	/	/	/
300	Fan speed(RPM)	1112	/	/	/	/	/	/	/	/
	Power input(W)	3470	/	/	/	/	/	/	/	/
	Air flow(CFM)	5439	/	/	/	/	/	/	/	/
325	Fan speed(RPM)	1112	/	/	/	/	/	/	/	/
	Power input(W)	3470	/	/	/	/	/	/	/	/
	Air flow(CFM)	5439	/	/	/	/	/	/	/	/

Note:
Legend: X: Regulation Space of Motor Pulley (mm).
N: Number of Turns.
ESP: External Static Pressure (Pa).
The factory default value N=1.5.

Model: 17.5ton

ESP (Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5
0	Fan speed(RPM)	/	/	994	987	980	971	961	953	944	936	927
	Power input(W)	/	/	4751	4857	4962	4643	4323	4216	4109	3960	3811
	Air flow(CFM)	/	/	9837	9896	9955	9722	9489	9498	9507	9346	9185
25	Fan speed(RPM)	/	/	994	988	981	972	963	954	946	937	928
	Power input(W)	/	/	4580	4683	4787	4494	4202	4078	3955	3809	3664
	Air flow(CFM)	/	/	9575	9635	9695	9506	9317	9264	9211	9041	8871
50	Fan speed(RPM)	1010	1003	995	988	982	973	965	956	947	939	930
	Power input(W)	4581	4495	4408	4510	4612	4346	4080	3940	3800	3659	3517
	Air flow(CFM)	9591	9451	9312	9373	9434	9290	9145	9030	8915	8736	8557
75	Fan speed(RPM)	1012	1004	997	990	983	975	966	958	949	940	931
	Power input(W)	4392	4313	4235	4338	4442	4181	3920	3777	3635	3495	3356
	Air flow(CFM)	9307	9153	8998	9067	9136	8999	8861	8729	8597	8421	8246
100	Fan speed(RPM)	1013	1005	998	991	984	976	968	959	951	942	933
	Power input(W)	4202	4132	4061	4166	4271	4015	3759	3614	3469	3332	3194
	Air flow(CFM)	9024	8854	8683	8761	8839	8708	8578	8429	8279	8107	7934
125	Fan speed(RPM)	1015	1007	999	992	985	977	969	961	952	943	934
	Power input(W)	4005	3934	3864	3967	4071	3810	3550	3404	3258	3127	2996
	Air flow(CFM)	8684	8510	8336	8421	8507	8350	8194	8027	7860	7684	7507
150	Fan speed(RPM)	1018	1009	1000	994	987	979	971	962	954	945	935
	Power input(W)	3807	3737	3667	3769	3870	3605	3340	3193	3046	2922	2797
	Air flow(CFM)	8345	8167	7989	8082	8175	7992	7809	7625	7441	7261	7081
175	Fan speed(RPM)	1019	1011	1002	995	988	980	972	964	955	946	937
	Power input(W)	3570	3509	3448	3548	3649	3374	3100	2950	2801	2682	2564
	Air flow(CFM)	7899	7719	7539	7648	7757	7518	7279	7093	6907	6715	6522
200	Fan speed(RPM)	1021	1012	1004	998	992	983	974	965	957	947	938
	Power input(W)	3332	3281	3229	3328	3427	3143	2859	2707	2555	2443	2330
	Air flow(CFM)	7454	7272	7090	7215	7339	7044	6748	6561	6374	6169	5963
225	Fan speed(RPM)	1033	1019	1006	1000	994	/	/	/	/	/	/
	Power input(W)	3042	3135	3229	3128	3026	/	/	/	/	/	/
	Air flow(CFM)	6817	6953	7090	6696	6303	/	/	/	/	/	/
250	Fan speed(RPM)	1045	/	/	/	/	/	/	/	/	/	/
	Power input(W)	2751	/	/	/	/	/	/	/	/	/	/
	Air flow(CFM)	6180	/	/	/	/	/	/	/	/	/	/

Note:
Legend: X: Regulation Space of Motor Pulley (mm).
N: Number of Turns.
ESP: External Static Pressure (Pa).
The factory default value N=1.5.

Model: 20ton

ESP (Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
0	Fan speed(RPM)	/	/	/	/	1194	1181	1168	1154	1140	1127	1113	1098	1081
	Power input(W)	/	/	/	/	6951	6710	6468	6266	6063	5831	5599	5422	5188
	Air flow(CFM)	/	/	/	/	11210	11104	10997	10872	10746	10623	10499	10306	10078
25	Fan speed(RPM)	/	/	/	/	1195	1182	1169	1155	1141	1128	1114	1100	1083
	Power input(W)	/	/	/	/	6756	6531	6306	6103	5901	5671	5442	5255	5057
	Air flow(CFM)	/	/	/	/	10982	10890	10798	10668	10539	10398	10258	10068	9892
50	Fan speed(RPM)	/	/	/	1214	1196	1183	1170	1156	1142	1129	1115	1101	1084
	Power input(W)	/	/	/	6944	6561	6352	6143	5941	5738	5512	5285	5088	4926
	Air flow(CFM)	/	/	/	10877	10754	10676	10599	10465	10332	10174	10016	9829	9705
75	Fan speed(RPM)	/	/	/	1214	1197	1184	1171	1157	1143	1130	1116	1102	1085
	Power input(W)	/	/	/	6738	6390	6180	5970	5754	5539	5328	5118	5069	4748
	Air flow(CFM)	/	/	/	10628	10540	10453	10367	10207	10047	9898	9749	9807	9403
100	Fan speed(RPM)	/	1240	1228	1215	1198	1185	1172	1158	1145	1131	1117	1103	1087
	Power input(W)	/	6941	6765	6532	6218	6008	5797	5568	5339	5145	4950	5049	4570
	Air flow(CFM)	/	10582	10491	10378	10326	10230	10135	9948	9761	9622	9483	9785	9102
125	Fan speed(RPM)	/	1241	1230	1215	1199	1186	1173	1159	1146	1131	1117	1105	1091
	Power input(W)	/	6753	6659	6367	6068	5866	5663	5441	5218	5013	4808	4570	4351
	Air flow(CFM)	/	10357	10349	10170	10113	10017	9922	9753	9584	9435	9285	9024	8815
150	Fan speed(RPM)	1258	1242	1230	1216	1202	1189	1175	1162	1149	1134	1120	1105	1091
	Power input(W)	6736	6565	6360	6158	5820	5611	5401	5180	4958	4769	4579	4327	4141
	Air flow(CFM)	10287	10132	10049	9952	9818	9692	9566	9395	9224	9069	8915	8599	8418
175	Fan speed(RPM)	1261	1244	1232	1218	1204	1190	1177	1163	1149	1135	1121	1106	1093
	Power input(W)	6511	6332	6169	5929	5607	5391	5175	4953	4731	4545	4358	4107	3925
	Air flow(CFM)	10042	9864	9794	9650	9524	9377	9231	9046	8861	8699	8537	8243	8045
200	Fan speed(RPM)	1263	1245	1233	1221	1205	1192	1179	1164	1150	1136	1123	1106	1094
	Power input(W)	6285	6099	5977	5700	5394	5172	4949	4727	4504	4321	4137	3887	3709
	Air flow(CFM)	9798	9597	9540	9347	9230	9063	8896	8697	8497	8328	8158	7887	7672
225	Fan speed(RPM)	1264	1248	1235	1222	1207	1194	1181	1166	1152	1138	1124	1110	1096
	Power input(W)	6046	5871	5696	5451	5160	4923	4686	4461	4237	4049	3861	3624	3433
	Air flow(CFM)	9505	9301	9183	9019	8877	8693	8508	8291	8074	7871	7669	7387	7138
250	Fan speed(RPM)	1265	1251	1237	1224	1209	1196	1183	1169	1154	1140	1126	1113	1099
	Power input(W)	5807	5643	5415	5201	4925	4674	4422	4196	3969	3777	3585	3361	3157
	Air flow(CFM)	9212	9004	8826	8691	8524	8322	8120	7885	7650	7415	7180	6887	6605
275	Fan speed(RPM)	1267	1253	1239	1226	1211	1198	1185	1171	1157	1144	1130	1117	1094
	Power input(W)	5523	5350	5120	4872	4585	4322	4059	3812	3564	3331	3098	2800	2662
	Air flow(CFM)	8831	8594	8380	8204	8010	7740	7470	7173	6876	6487	6099	5562	5395
300	Fan speed(RPM)	1269	1254	1242	1228	1213	1201	1188	1174	1160	1147	1134	1120	1088
	Power input(W)	5238	5056	4825	4542	4245	3971	3696	3428	3159	2885	2611	2239	2167
	Air flow(CFM)	8450	8184	7933	7717	7495	7157	6819	6460	6102	5560	5018	4237	4186
325	Fan speed(RPM)	1272	1258	1245	1233	1218	1206	1193	/	/	/	/	/	/
	Power input(W)	4892	4650	4334	3987	3707	3334	2961	/	/	/	/	/	/
	Air flow(CFM)	7955	7559	7136	6775	6406	5820	5234	/	/	/	/	/	/
350	Fan speed(RPM)	1276	1262	1248	1235	1223	/	/	/	/	/	/	/	/
	Power input(W)	4546	4243	3842	3731	3169	/	/	/	/	/	/	/	/
	Air flow(CFM)	7459	6935	6339	6285	5318	/	/	/	/	/	/	/	/
375	Fan speed(RPM)	1280	1267	1254	/	/	/	/	/	/	/	/	/	/
	Power input(W)	3982	3457	3371	/	/	/	/	/	/	/	/	/	/
	Air flow(CFM)	6465	5433	5387	/	/	/	/	/	/	/	/	/	/
400	Fan speed(RPM)	1284	/	/	/	/	/	/	/	/	/	/	/	/
	Power input(W)	3417	/	/	/	/	/	/	/	/	/	/	/	/
	Air flow(CFM)	5471	/	/	/	/	/	/	/	/	/	/	/	/

Note:
Legend: X: Regulation Space of Motor Pulley (mm).
N: Number of Turns.
ESP: External Static Pressure (Pa).
The factory default value N=1.5.

Model: 25ton

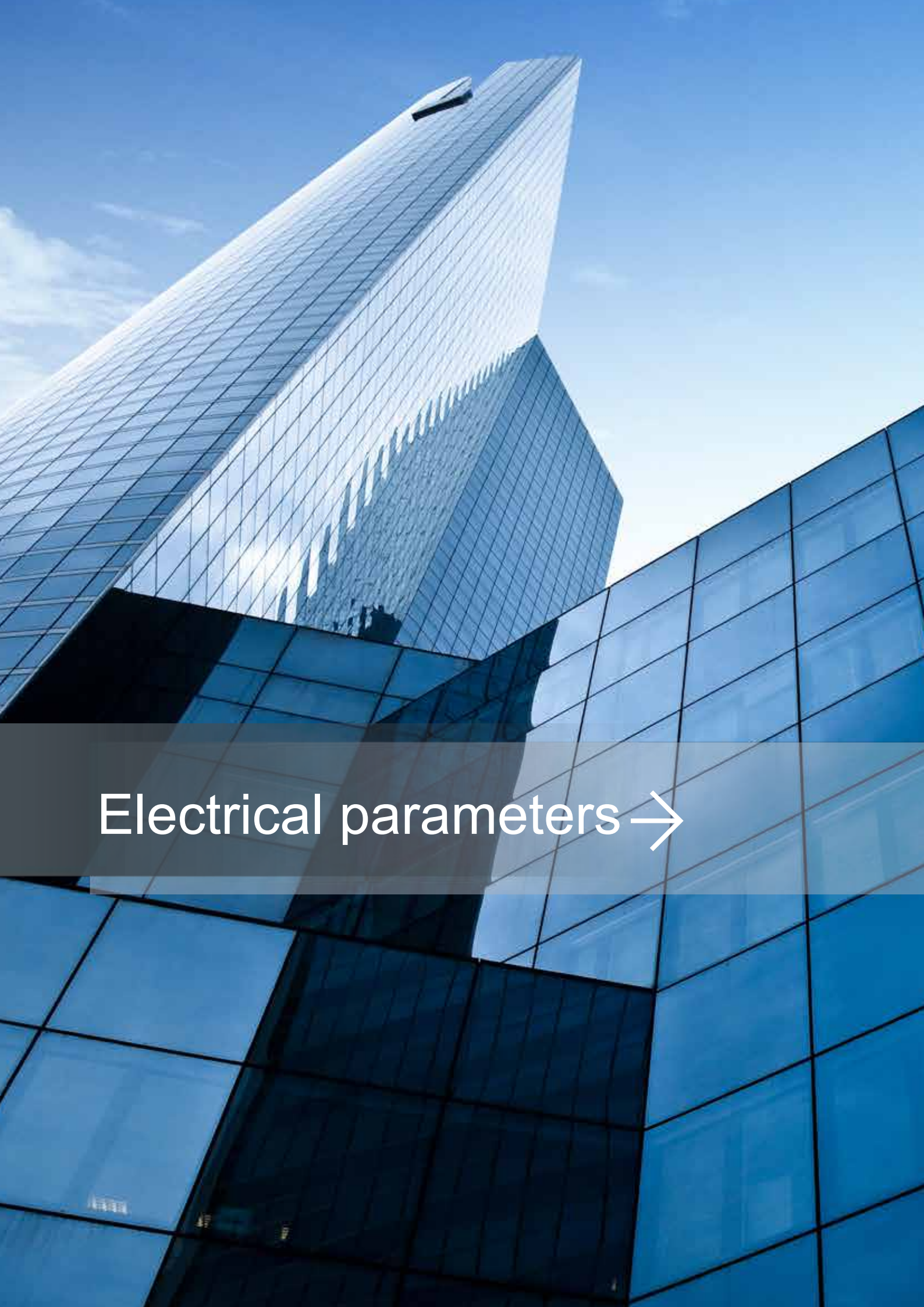
ESP (Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
0	Fan speed(RPM)	1075	1059	1044	1034	1026	1009	1002	985	973	963	934	939	925
	Power input(W)	6962	6840	6589	6382	6068	5930	5651	5544	5232	5085	4765	4893	4734
	Air flow(CFM)	12304	12345	12115	12068	11907	11717	11587	11472	11269	11177	10868	10894	10757
25	Fan speed(RPM)	1075	1060	1041	1035	1027	1010	1003	986	974	964	935	939	926
	Power input(W)	6750	6663	6363	6203	5914	5736	5487	5374	5065	4905	4632	4740	4597
	Air flow(CFM)	12052	12092	11849	11797	11645	11431	11322	11191	10982	10879	10572	10610	10471
50	Fan speed(RPM)	1074	1061	1038	1036	1028	1011	1004	987	975	965	936	940	927
	Power input(W)	6538	6485	6137	6023	5759	5541	5323	5203	4898	4724	4498	4587	4459
	Air flow(CFM)	11801	11838	11583	11527	11383	11144	11058	10909	10695	10581	10276	10326	10185
75	Fan speed(RPM)	1075	1062	1040	1036	1029	1011	1004	987	976	966	937	941	928
	Power input(W)	6391	6301	5903	5842	5573	5329	5152	5019	4698	4524	4304	4410	4282
	Air flow(CFM)	11575	11558	11249	11218	11055	10820	10745	10585	10345	10217	9914	9964	9825
100	Fan speed(RPM)	1075	1063	1041	1036	1030	1012	1005	988	977	967	937	942	928
	Power input(W)	6243	6117	5668	5660	5387	5116	4980	4834	4498	4324	4110	4233	4104
	Air flow(CFM)	11350	11278	10915	10910	10728	10496	10432	10260	9995	9853	9552	9602	9465
125	Fan speed(RPM)	1076	1063	1044	1037	1030	1013	1005	989	979	968	938	943	929
	Power input(W)	6089	5904	5425	5441	5178	4900	4790	4626	4292	4114	3928	4040	3911
	Air flow(CFM)	11019	10945	10566	10567	10361	10123	10054	9870	9598	9432	9155	9168	9021
150	Fan speed(RPM)	1077	1063	1047	1037	1031	1015	1005	990	980	969	939	944	930
	Power input(W)	5934	5690	5181	5222	4969	4683	4600	4418	4085	3904	3746	3846	3717
	Air flow(CFM)	10688	10612	10217	10224	9994	9749	9677	9480	9201	9010	8758	8735	8577
175	Fan speed(RPM)	1077	1064	1047	1038	1032	1015	1006	991	981	969	939	944	931
	Power input(W)	5613	5449	4984	4995	4746	4455	4382	4203	3862	3683	3548	3645	3512
	Air flow(CFM)	10300	10229	9839	9828	9590	9294	9245	9031	8703	8496	8259	8225	8064
200	Fan speed(RPM)	1078	1065	1048	1039	1033	1016	1006	992	982	969	940	945	932
	Power input(W)	5292	5207	4786	4768	4522	4226	4163	3987	3638	3462	3349	3443	3307
	Air flow(CFM)	9913	9847	9462	9432	9186	8838	8812	8581	8206	7983	7760	7715	7551
225	Fan speed(RPM)	1079	1066	1051	1040	1034	1017	1007	993	983	970	941	946	932
	Power input(W)	5294	4968	4527	4522	4299	3990	3958	3758	3408	3240	3135	3203	3078
	Air flow(CFM)	9875	9378	8936	8922	8670	8306	8296	8037	7615	7383	7169	7025	6863
250	Fan speed(RPM)	1080	1067	1053	1042	1034	1018	1008	994	984	970	942	947	933
	Power input(W)	5295	4728	4267	4275	4076	3753	3753	3528	3177	3018	2921	2962	2849
	Air flow(CFM)	9837	8910	8410	8412	8154	7775	7780	7492	7024	6784	6578	6335	6175
275	Fan speed(RPM)	1082	1068	1050	1042	1035	1019	1009	995	985	971	942	948	934
	Power input(W)	4879	4488	4013	4034	3825	3496	3486	3341	2975	2803	2717	2792	2530
	Air flow(CFM)	8972	8391	7852	7864	7575	7096	7053	6824	6335	5996	5844	5744	5204
300	Fan speed(RPM)	1084	1070	1047	1043	1035	1021	1010	995	986	973	943	949	935
	Power input(W)	4463	4248	3759	3793	3574	3239	3219	3153	2773	2587	2512	2621	2210
	Air flow(CFM)	8107	7871	7293	7316	6996	6418	6325	6156	5647	5209	5110	5152	4234
325	Fan speed(RPM)	1084	1072	1054	1046	1036	1023	1010	997	986	/	/	/	/
	Power input(W)	4219	3996	3636	3538	3313	3089	3219	2818	2773	/	/	/	/
	Air flow(CFM)	7663	7324	6813	6603	6221	5896	6325	5316	5647	/	/	/	/
350	Fan speed(RPM)	1085	1073	1061	1050	1038	1025	1011	/	/	/	/	/	/
	Power input(W)	3975	3744	3513	3282	3051	2940	3024	/	/	/	/	/	/
	Air flow(CFM)	7219	6776	6332	5889	5445	5375	5815	/	/	/	/	/	/
375	Fan speed(RPM)	1087	1074	1062	/	/	/	/	/	/	/	/	/	/
	Power input(W)	3708	3474	3241	/	/	/	/	/	/	/	/	/	/
	Air flow(CFM)	6428	5990	5551	/	/	/	/	/	/	/	/	/	/
400	Fan speed(RPM)	1088	/	/	/	/	/	/	/	/	/	/	/	/
	Power input(W)	3440	/	/	/	/	/	/	/	/	/	/	/	/
	Air flow(CFM)	5637	/	/	/	/	/	/	/	/	/	/	/	/

Note:
Legend: X: Regulation Space of Motor Pulley (mm).
N: Number of Turns.
ESP: External Static Pressure (Pa).
The factory default value N=1.5.

Model: 30ton

ESP (Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
0	Fan speed(RPM)	/	/	/	/	/	/	1106	1090	1074	1053	1032	1027	1022
	Power input(W)	/	/	/	/	/	/	8203	7899	7595	7256	6917	6894	6872
	Air flow(CFM)	/	/	/	/	/	/	13393	13210	13026	12794	12563	12499	12434
25	Fan speed(RPM)	/	/	/	/	1133	1133	1106	1090	1074	1053	1032	1027	1022
	Power input(W)	/	/	/	/	9142	9142	8010	7702	7394	7078	6761	6736	6710
	Air flow(CFM)	/	/	/	/	13735	13735	13243	13044	12845	12605	12366	12307	12248
50	Fan speed(RPM)	/	/	/	/	1135	1135	1108	1092	1076	1055	1034	1029	1023
	Power input(W)	/	/	/	/	8664	8664	7736	7427	7118	6828	6537	6509	6480
	Air flow(CFM)	/	/	/	/	13304	13304	12902	12690	12479	12234	11990	11937	11884
75	Fan speed(RPM)	/	/	/	/	1137	1137	1109	1094	1078	1056	1035	1030	1025
	Power input(W)	/	/	/	/	8425	8425	7490	7160	6831	6544	6258	6241	6225
	Air flow(CFM)	/	/	/	/	13089	13089	12619	12384	12149	11897	11644	11591	11539
100	Fan speed(RPM)	/	/	1153	1146	1138	1138	1110	1095	1080	1058	1036	1031	1026
	Power input(W)	/	/	9127	8545	8186	8186	7244	6893	6543	6261	5978	5974	5970
	Air flow(CFM)	/	/	13410	12993	12873	12873	12336	12078	11820	11558	11296	11245	11193
125	Fan speed(RPM)	/	/	1155	1148	1140	1140	1112	1097	1083	1060	1038	1033	1028
	Power input(W)	/	/	8920	8330	7963	7963	7007	6642	6278	6012	5746	5733	5720
	Air flow(CFM)	/	/	13149	12713	12576	12576	12002	11730	11457	11193	10929	10849	10769
150	Fan speed(RPM)	1172	1165	1157	1150	1142	1142	1113	1099	1085	1062	1039	1035	1030
	Power input(W)	9645	9015	8712	8069	7741	7080	6770	6391	6012	5763	5513	5492	5470
	Air flow(CFM)	13274	12898	12887	12386	12278	11362	11669	11381	11094	10827	10560	10451	10342
175	Fan speed(RPM)	1172	1166	1158	1152	1144	1144	1114	1100	1087	1064	1041	1036	1032
	Power input(W)	9364	8711	8385	7748	7426	7426	6467	6083	5699	5468	5236	5210	5184
	Air flow(CFM)	12944	12550	12522	12006	11884	11884	11246	10916	10587	10317	10047	9928	9809
200	Fan speed(RPM)	1173	1167	1159	1153	1145	1145	1116	1102	1088	1065	1042	1038	1033
	Power input(W)	9083	8407	8058	7415	7111	7111	6164	5775	5387	5173	4959	4928	4897
	Air flow(CFM)	12615	12175	12156	11586	11489	11489	10822	10450	10078	9804	9530	9402	9273
225	Fan speed(RPM)	1174	1168	1161	1155	1147	1147	1117	1104	1091	1067	1044	1039	1035
	Power input(W)	8884	8145	7732	7083	6772	6772	5812	5408	5004	4804	4603	4562	4520
	Air flow(CFM)	12356	11835	11735	11139	11016	11016	10298	9875	9452	9175	8898	8708	8518
250	Fan speed(RPM)	1176	1172	1162	1156	1148	1148	1119	1106	1093	1069	1046	1041	1036
	Power input(W)	8686	7877	7406	6744	6433	6433	5460	5041	4622	4436	4250	4197	4145
	Air flow(CFM)	12097	11466	11313	10604	10543	10543	9773	9298	8823	8542	8262	8009	7756
275	Fan speed(RPM)	1187	1176	1168	1159	1149	1149	1121	1108	1095	1071	1047	1042	1038
	Power input(W)	8462	7587	7067	6394	6081	6081	5095	4722	4348	4159	3970	3834	3697
	Air flow(CFM)	11693	10973	10835	10015	9895	9895	8955	8500	8044	7732	7420	7014	6608
300	Fan speed(RPM)	1182	1175	1166	1159	1150	1150	1123	1109	1096	1072	1048	1044	1039
	Power input(W)	8114	7246	6711	6082	5721	5721	4730	4402	4075	3883	3691	3469	3247
	Air flow(CFM)	11270	10508	10253	9488	9195	9195	8138	7701	7265	6919	6574	6010	5447
325	Fan speed(RPM)	1185	1178	1169	1161	1152	1138	1124	/	/	/	/	/	/
	Power input(W)	7721	6884	6379	5782	5453	4990	4527	/	/	/	/	/	/
	Air flow(CFM)	10729	9983	9745	8998	8723	8211	7700	/	/	/	/	/	/
350	Fan speed(RPM)	1188	1182	1171	1164	1154	1139	1125	/	/	/	/	/	/
	Power input(W)	7328	6237	6046	5347	5185	4755	4324	/	/	/	/	/	/
	Air flow(CFM)	10187	8913	9238	8209	8250	7756	7262	/	/	/	/	/	/
375	Fan speed(RPM)	1191	1183	1173	1165	1155	1140	1126	/	/	/	/	/	/
	Power input(W)	7114	6130	5596	5121	4916	4576	4236	/	/	/	/	/	/
	Air flow(CFM)	9916	8778	8439	7810	7715	7353	6991	/	/	/	/	/	/
400	Fan speed(RPM)	1195	1185	1175	1166	1156	1141	1127	/	/	/	/	/	/
	Power input(W)	6899	6022	5146	4896	4647	4397	4148	/	/	/	/	/	/
	Air flow(CFM)	9645	8643	7640	7410	7180	6951	6721	/	/	/	/	/	/

Note:
Legend: X: Regulation Space of Motor Pulley (mm).
N: Number of Turns.
ESP: External Static Pressure (Pa).
The factory default value N=1.5.



Electrical parameters →

Electrical data

Tropical application

Model	Power Supply			Compressor				Evaporator fan motor			Condenser fan motor		
	MCA	TOCA	MFA	STC	RNC	IPT	Qty	RNC	IPT	Qty	RNC (each)	IPT (each)	Qty
MRCT-062CWN1-R(C)	23.5	28.9	33.2	75	9.7	5.65	1	7.22	1.62	1	3.65	0.83	1
MRCT-075CWN1-R(C)	29.4	36.5	43.7	121.2	14.3	8.08	1	7.18	1.61	1	3.93	0.88	1
MRCT-085CWN1-R(C)	29.6	36.3	47.2	62	8.8	5.13	2	2.9	1.39	1	3.93	0.88	1
MRCT-085CWN1-R(D)	28.4	34.9	45	139	16.7	9.19	1	2.9	1.39	1	3.93	0.88	1
MRCT-100CWN1-R(C)	30.2	37.3	49.4	66	9.6	5.7	2	3.5	1.84	1	2.51	0.98	1
MRCT-100CWN1-R(D)	29.6	37.6	48.3	144	18.7	10.8	1	3.5	1.84	1	2.51	0.98	1
MRCT-125CWN1-R(C)	41.5	52.9	66.4	64+139	8.3+16.6	4.75+9.16	1+1	4.84	2.03	1	3.66	0.83	1
MRCT-150CWN1-R(C)	45.4	58.1	72.4	64+144	8.3+18.7	4.75+10.8	1+1	7.5	3.97	1	2.8	1.27	1
MRCT-175CWN1-R(C)	57.4	68.1	90.6	139	16.6	9.16	2	6.6	3.03	1	3.53	0.8	2
MRCT-200CWN1-R(C)	64.1	77.9	101.5	144	18.7	10.8	2	8.9	4.35	1	2.84	1.29	2
MRCT-250CWN1-R(C)	74.7	93.4	116	158	20.66	12.1	2	9.7	4.4	1	3.71	2.07	2
MRCT-300CWN1-R(C)	84.3	104.6	133.4	197	24.52	13.7	2	13.6	7.4	1	3.71	2.07	2

MCA: Min. Current Amps. (A) TOCA: Total Over-current Amps. (A)
MFA: Max. Fuse Amps. (A) STC: Starting Current (A)
RNC: Running Current (A) IPT: Input (kW)

T1 application

Model	Power Supply			Compressor				Evaporator fan motor			Condenser fan motor		
	MCA	TOCA	MFA	STC	RNC	IPT	Qty	RNC	IPT	Qty	RNC (each)	IPT (each)	Qty
MRC-062HWN1-R(C)	23.5	28.9	33.2	75	9.7	5.65	1	7.22	1.62	1	3.65	0.83	1
MRC-075HWN1-R(C)	29.4	36.5	43.7	121.2	14.3	8.08	1	7.18	1.61	1	3.93	0.88	1
MRC-085HWN1-R(C)	29.6	36.3	47.2	62	8.8	5.13	2	2.9	1.39	1	3.93	0.88	1
MRC-100HWN1-R(C)	30.2	37.3	49.4	66	9.6	5.7	2	3.5	1.84	1	2.51	0.98	1
MRC-125HWN1-R(C)	41.5	52.9	66.4	64+139	8.3+16.6	4.75+9.16	1+1	4.84	2.03	1	3.66	0.83	1
MRC-150HWN1-R(C)	45.4	58.1	72.4	64+144	8.3+18.7	4.75+10.8	1+1	7.5	3.97	1	2.8	1.27	1
MRC-175HWN1-R(C)	57.4	68.1	90.6	139	16.6	9.16	2	6.6	3.03	1	3.53	0.8	2
MRC-200HWN1-R(C)	64.1	77.9	101.5	144	18.7	10.8	2	8.9	4.35	1	2.84	1.29	2
MRC-250HWN1-R(C)	74.7	93.4	116.0	158	20.66	12.1	2	9.70	4.40	1	3.71	2.07	2
MRC-300HWN1-R(C)	84.3	104.6	133.4	197	24.52	13.7	2	13.60	7.40	1	3.71	2.07	2

MCA: Min. Current Amps. (A) TOCA: Total Over-current Amps. (A)
MFA: Max. Fuse Amps. (A) STC: Starting Current (A)
RNC: Running Current (A) IPT: Input (kW)

Error code

For 6.2&7.5ton type

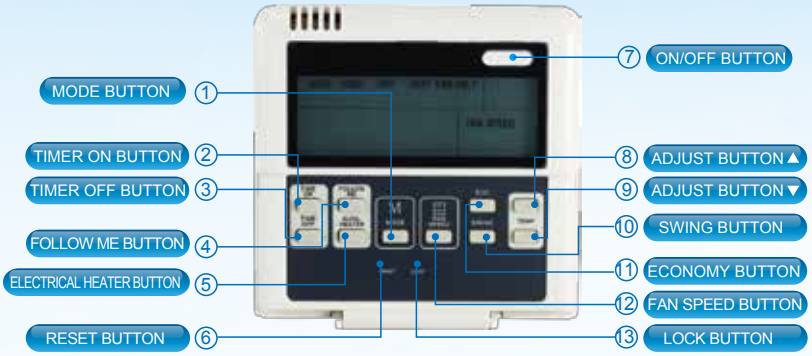
NUM	Code	Led1(Red)	Led2(Yellow)	Led3(Green)
1	Standby	Off	Off	On
2	Function	On	On	On
3	Phase-missing	Flash	Flash	Flash
	Phase-error			
4	T1 Sensor Failure	Flash	Flash	Flash
	High Pressure Protection			
	Vent Protection			
5	T2 Sensor Failure	Flash	Off	Flash
6	T3 Sensor Failure	Off	Flash	Flash
7	T4 Sensor Failure	On	Flash	Flash
8	T2 Evaporator Low Temp. Protection	Off	Flash	Off
9	T2 Evaporator High Temp. Protection	Flash	On	On
10	T3 Condensor High Temp. Protection	Flash	Off	Off
11	Line Controller Input Failure	Flash	Flash	On
12	Compressor Overcurrent Protection	Off	Off	Flash
13	Compressor-inhaling Low Pressure Protection	Flash	On	Flash
14	Defrost	On	Flash	Flash

For 8.5~30ton type

Type	Content	Code	Remarks
Normal	Standby	——	
Normal	Constraint cool	on	
Normal	Run	10.	
Error	Compressor phase sequence error or phase default	E0	
Error	Outdoor coil sensor in sys. A error	E1	
Error	Outdoor coil sensor in sys. B error	E2	
Error	Overcurrent protection of system A are active 3 times within one hour	E3	Unit shall be power off to recovery
Error	Overcurrent protection of system B are active 3 times within one hour	E4	Unit shall be power off to recovery
Error	Indoor coil sensor in sys. A error	E5	
Error	Indoor coil sensor in sys. B error	E6	
Error	High、 low pressure protection or discharge temperature protection of system A reached 3 times	E7	Unit shall be power off to recovery
Error	High、 low pressure protection or discharge temperature protection of system B reached 3 times	E8	Unit shall be power off to recovery
Error	Indoor sensor error	E9	
Error	Outdoor ambient sensor error	EA	
Error	Wire controller output error	Eb	
Protection	Overcurrent protection in sys.A	P0	
Protection	Overcurrent protection in sys.B	P1	
Protection	Overcurrent protection for indoor fan	P2	
Protection	Comprehensive protection for outdoor fan	P3	
Protection	Protection for Hi./Lo. pressure or exhaust temp. in sys.A	P4	Comprehensive protection in sys.A
Protection	Protection for Hi./Lo. pressure or exhaust temp. in sys.B	P5	Comprehensive protection in sys.B
Protection	Hi-pressure protection initiated in T2 evaporator stops the outdoor unit fan	P6	
Protection	Hi-pressure protection initiated in T2 evaporator stops the outdoor unit fan and compressor	P7	
Protection	Protection for condenser Hi-temp. in sys.A	P8	
Protection	Protection for condenser Hi-temp. in sys.B	P9	
Protection	Anti-freezing protection for evaporator in sys. A	Pc	
Protection	Anti-freezing protection for evaporator in sys. B	Pd	
Protection	Defrosting	dF	
Protection	Protection for outdoor temp	PA	

Wired controller and field wiring

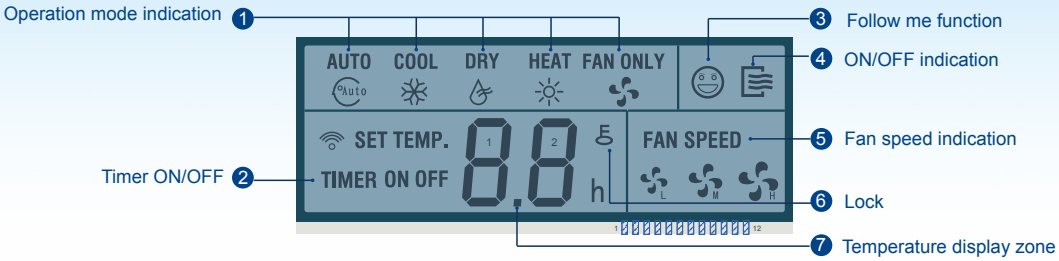
Standard wired conroller:KJR-12B/DP (T)-E



Feature

- Digital display lets you set temperature in 1°C units.
- With the FOLLOW ME function,the wired controller can detect the air temperature at the user's altitude instead the of ceiling or floor. This helps making the room environment comfortable and the temperature accurate.
- Simply and conveniently select cool/heat/fan operation mode
- Economical operation power supply 5V DC.
- Wide operation temperature from -15°C to +43°C and humidity from 40% to 90%,RH.
- With daily timer function.

Name and function of indicators on the controller



Optional wired controller

KJR-23B

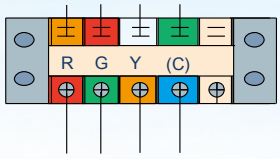
For cooling only and cooling with auxiliary heater

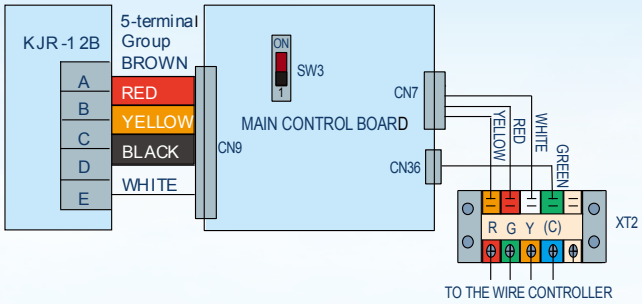
KJR-25B

For heat pump

To connect with wired controller
Set the dial code SW3 of PCB in rooftop package unit's electric control box as per the wired controller you are in using. After settings, please reset the power supply, otherwise, the new settings function couldn't work.

For cooling only units

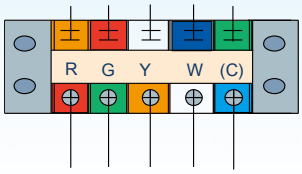


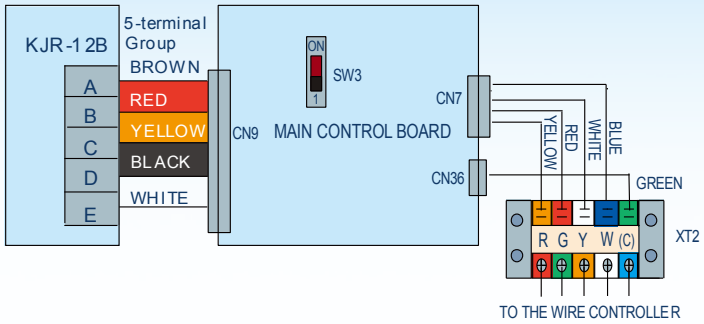


See the upper figure:

- When select KJR-12B wired controller,please set the SW3 in "ON" .
- When select the wired controller be recommended, please set the SW3 in"1".

For cooling +EAH units

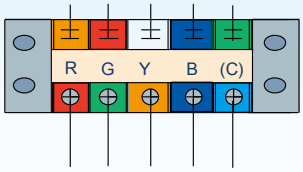


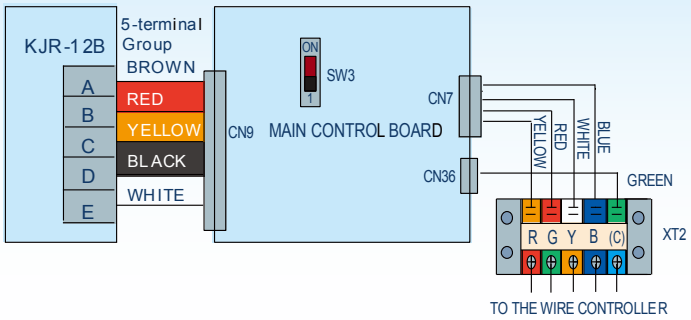


See the upper figure:

- When select KJR-12B wired controller,please set the SW3 in "ON" .
- When select the wired controller be recommended, please set the SW3 in"1".

For heat pump units





See the upper figure:

- When select KJR-12B wired controller,please set the SW3 in "ON" .
- When select the wired controller be recommended, please set the SW3 in"1".

Mechanical specifications

General

The units are convertible airflow. All units shall be factory assembled, internally wired, fully charged refrigerant and 100% run tested to check cooling and heating operation, fan and blower rotation, and control sequence before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. The unit is provided with an integral weather resistant control panel.

Casing

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, G90 galvanized heavy gauge plate conforming to ASTMA 653, followed by baked on electrostatic polyester dry powder coat paint on all external panels, completely weatherized for outdoor installation and properly reinforced and brazed. Salt spray test for steel sheet under 1000 hours, specially treated can be up to 2000 hours and even more. Cabinet construction shall allow for all maintenance on one side of the unit, only the unit with auxiliary electrical heater shall allow for maintenance on two sides. Service panels shall be removed easily and reinstalled by removing bolts. All panels and top covers indoor side of the unit shall be insulated with 16 mm, foam-faced (foil-faced only for 5ton), closed-cell insulation. The unit has provisions for forklift and crane lifting, with forklift capabilities on four sides of the unit.

Compressors

All units shall have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of unit nameplate voltage. Internal overloads shall be provided with the scroll compressors.

Compressors used in Rooftop package unit are hermetically sealed reciprocating type. They are equipped with a crankcase heater as standard.

The compressors, incorporating a built in muffler, are mounted on springs within a heavy gauge steel housing to give a low noise level.

The unit contains the best compressor technology available to achieve the highest possible performance. Dual compressors are outstanding for humidity control, light load cooling conditions and system back-up applications. Dual compressors are available on 7.5 to 20 ton models.

Controls

The unit shall be completely factory-wired with necessary controls and terminal block for power wiring. The unit shall provide an external location for mounting a fused disconnect device.

Microprocessor controls provide for all 24V control functions. The precision control shall make all heating, cooling, or ventilating decisions in response to electronic signals from sensors measuring indoor and outdoor temperatures. The control maintains accurate temperature control, minimizes drift from set point, and provides better building comfort. A centralized microprocessor shall provide a higher level of machine protection.

Evaporator and condenser coils

Internally finned, copper tubes mechanically bonded to a configured hydrophilic aluminum fin shall be standard. Coils shall be leak tested at the factory to ensure the pressure integrity. The evaporator coil and condenser coil shall be leak tested to 3100 kPa (450 psig). A removable, double-sloped condensate drain pan with through the base condensate drain is standard.

Evaporator fan

Evaporator fan is of centrifugal forward-curved blade design capable of handling total required CFM and static pressure in the low and the medium ranges. Casings are made of galvanized steel. Blower motors are of open drip proof type (totally enclosed types are optional) and conform to NEMA MG-1 and MG-2. Blower motor is mounted on adjustable base and secured by locking device. Fan wheels shafts and bearing are selected to operate at 25% below first critical speed. Pillow block bearing are selected for at 200,000 hours average life at design operating conditions. Shaft is turned, ground and polished from solid steel. Fans and pulleys are keyed to shaft and designed for continuous operation at maximum motor horse power and fan speed. All rotating components and assemblies are statically and dynamically balanced and every unit is vibration tested before shipment from the factory.

Condenser fan

The fan is direct drive by weatherproof motor to ensure reliable continuous operation. Statically and dynamically balanced drive motor design with maintenance-free bearings for outdoor installation. The fan is multi-blade vane-axial type, made of metal material for quiet operation and durability.

Electronic thermostats

General information: A dedicated electronic thermostat is supplied with unit controls as standard. This thermostat controls one or two stage heating and cooling applications. The thermostat normally displays room temperature and mode of operation.

The temperature can be set by up/down buttons for both cooling and heating cycles. The thermostat also allows you to select continuous fan operation, or have the fan on intermittent operation with the equipment. It also displays the status of unit, thus providing maximum information for the end user.

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Certificate of Occupational Health and Safety Management System
Certificate No. 15912S20006R0L-1.

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