1311-R1211

COMMERCIAL AIR CONDITIONERS

Rooftop Package Unit 50Hz

ClimaMaster Series

TÜVRheinland® CERT ISO 9001

GD Midea Refrigeration Equipment Co., Ltd.
Is certified under the ISO 9001 International standard for quality assurance.
NO.01 100 019209

HKQAA ISO 14001:2004

GD Midea Refrigeration Equipment Co., Ltd.
Is certified under the ISO 14001 International standard for environmental management.
Certificate NO.CC 1417

Dealer information

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Midea Group

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http://www.mideaaircon.com

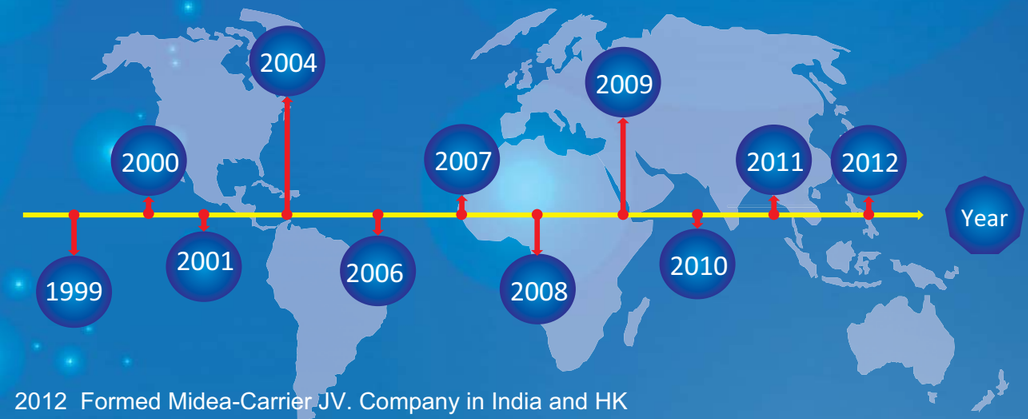
Note:The data in this book may be changed without notice for further improvement on quality and performance.

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.



2012 Formed Midea-Carrier JV. Company in India and HK
2011 Formed Midea-Carrier JV. Company in Brazil
2010 Built the 3rd manufacturing base in Hefei
2009 Launched the DC inverter V4 system globally
2008 JV with Toshiba Carrier for the DC inverter technology
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 creat a comfortable,queit 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 2 to 30ton nominal (7 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

Product line up
Features and benefits
Standard features
Accessories
Nomenclature
Specifications
Dimensional data
Refrigerant cycle diagram
Capacity table
Static pressure chart for air volume
Electrical data
Error code
Wired controller
Field wiring
Mechanical specifications

Product line up

T1 Condition-R22

Nominal Capacity (Ton)	Model Name	Function	Air Outlet	Power Supply
2	MRA-24HW-Q	Heating&Cooling	Two options air supply	220~240V-1N-50Hz
3	MRA-36HW-Q	Heating&Cooling	Two options air supply	220~240V-1N-50Hz
3	MRA-36HW-R	Heating&Cooling	Two options air supply	380~415V-3N-50Hz
4	MRA-48HW-R	Heating&Cooling	Two options air supply	380~415V-3N-50Hz
5	MRA-60HW-R	Heating&Cooling	Two options air supply	380~415V-3N-50Hz
3	MRC-36HW	Heating&Cooling	Side air supply	220~240V-1N-50Hz
3	MRC-36HW-R	Heating&Cooling	Side air supply	380~415V-3N-50Hz
4	MRC-48HW-R	Heating&Cooling	Side air supply	380~415V-3N-50Hz
5	MRC-60HW-R	Heating&Cooling	Side air supply	380~415V-3N-50Hz

T3 Condition-R22

Nominal Capacity (Ton)	Model Name	Function	Air Outlet	Power Supply
3	MRCT-36CW	Cooling	Side air supply	220~240V-1N-50Hz
3	MRCT-36CW-R	Cooling	Side air supply	380~415V-3N-50Hz
4	MRCT-48CW-R	Cooling	Side air supply	380~415V-3N-50Hz
5	MRCT-60CW-R	Cooling	Side air supply	380~415V-3N-50Hz
6.2	MRBT-062CW-R	Cooling	Two options air supply	380~415V-3N-50Hz
6.2	MRCT-062EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
6.2	MRDT-062EW-R	Cooling+PTC	Bottom air supply	380~415V-3N-50Hz
7.5	MRDT-075EW-R	Cooling+PTC	Bottom air supply	380~415V-3N-50Hz
7.5	MRCT-075EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
7.5	MRBT-075CW-R	Cooling	Two options air supply	380~415V-3N-50Hz
7.5	MRBT-075HW-R	Heating&Cooling	Two options air supply	380~415V-3N-50Hz
8.5	MRBT-085CW-R	Cooling	Two options air supply	380~415V-3N-50Hz
8.5	MRCT-085EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
8.5	MRDT-085EW-R	Cooling+PTC	Bottom air supply	380~415V-3N-50Hz
10	MRBT-100CW-R	Cooling	Two options air supply	380~415V-3N-50Hz
10	MRCT-100EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
10	MRDT-100EW-R	Cooling+PTC	Bottom air supply	380~415V-3N-50Hz
10	MRBT-100HW-R	Heating&Cooling	Two options air supply	380~415V-3N-50Hz
12.5	MRBT-125CW-R	Cooling	Two options air supply	380~415V-3N-50Hz
12.5	MRCT-125EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
12.5	MRDT-125EW-R	Cooling+PTC	Bottom air supply	380~415V-3N-50Hz
15	MRBT-150CW-R	Cooling	Two options air supply	380~415V-3N-50Hz
15	MRCT-150EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
15	MRDT-150EW-R	Cooling+PTC	Bottom air supply	380~415V-3N-50Hz
15	MRBT-150HW-R	Heating&Cooling	Two options air supply	380~415V-3N-50Hz
17.5	MRBT-175CW-R	Cooling	Two options air supply	380~415V-3N-50Hz
17.5	MRCT-175EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
20	MRBT-200CW-R	Cooling	Two options air supply	380~415V-3N-50Hz
20	MRCT-200EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
20	MRDT-200EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
20	MRBT-200HW-R	Heating&Cooling	Two options air supply	380~415V-3N-50Hz
25	MRCT-250CW-R	Cooling	Side air supply	380~415V-3N-50Hz
25	MRCT-250EW-R	Cooling+PTC	Side air supply	380~415V-3N-50Hz
25	MRCT-250HW-R	Heating&Cooling	Side air supply	380~415V-3N-50Hz

Product line up

T3 Condition-R410A

Nominal Capacity (Ton)	Model Name	Function	Air Outlet	Power Supply
5	MRBT-60CWN1-R	Cooling	Two options air supply	380~415V-3N-50Hz
6.2	MRCT-062EWN1-R	Cooling+PTC	Side air supply	380~400V-3N-50Hz
6.2	MRBT-062CWN1-R	Cooling	Two options air supply	380~400V-3N-50Hz
6.2	MRBT-062HWN1-R	Heating&Cooling	Two options air supply	380~400V-3N-50Hz
7.5	MRBT-075CWN1-R	Cooling	Two options air supply	380~400V-3N-50Hz
7.5	MRCT-075EWN1-R	Cooling+PTC	Side air supply	380~400V-3N-50Hz
7.5	MRBT-075HWN1-R	Heating&Cooling	Two options air supply	380~400V-3N-50Hz
8.5	MRCT-085EWN1-R	Cooling+PTC	Side air supply	380~400V-3N-50Hz
8.5	MRBT-085CWN1-R	Cooling	Two options air supply	380~400V-3N-50Hz
8.5	MRBT-085HWN1-R	Heating&Cooling	Two options air supply	380~400V-3N-50Hz
10	MRBT-100CWN1-R	Cooling	Two options air supply	380~400V-3N-50Hz
10	MRCT-100EWN1-R	Cooling+PTC	Side air supply	380~400V-3N-50Hz
10	MRBT-100HWN1-R	Heating&Cooling	Two options air supply	380~400V-3N-50Hz
12.5	MRBT-125CWN1-R	Cooling	Two options air supply	380~400V-3N-50Hz
12.5	MRBT-125HWN1-R	Heating&Cooling	Two options air supply	380~400V-3N-50Hz
15	MRBT-150CWN1-R	Cooling	Two options air supply	380~400V-3N-50Hz
15	MRCT-150EWN1-R	Cooling+PTC	Side air supply	380~400V-3N-50Hz
15	MRBT-150HWN1-R	Heating&Cooling	Two options air supply	380~400V-3N-50Hz
17.5	MRCT-175EWN1-R	Cooling+PTC	Side air supply	380~400V-3N-50Hz
17.5	MRBT-175CWN1-R	Cooling	Two options air supply	380~400V-3N-50Hz
17.5	MRBT-175HWN1-R	Heating&Cooling	Two options air supply	380~400V-3N-50Hz
20	MRBT-200CWN1-R	Cooling	Two options air supply	380~400V-3N-50Hz
20	MRCT-200EWN1-R	Cooling+PTC	Side air supply	380~400V-3N-50Hz
20	MRBT-200HWN1-R	Heating&Cooling	Two options air supply	380~400V-3N-50Hz
30	MRCT-300EWN1-R	Cooling+PTC	Side air supply	380~400V-3N-50Hz
30	MRCT-300CWN1-R	Cooling	Side air supply	380~400V-3N-50Hz
30	MRCT-300HWN1-R	Heating&Cooling	Side air supply	380~400V-3N-50Hz

External appearance

T1 Condition-R22

MRA(2~5ton)

MRC(3~5ton)

T3 Condition-R22

3&4&5ton

6.2&7.5ton

8.5&10ton

12.5&15ton

17.5&20&25ton

T3 Condition-R410A

5ton

6.2&7.5ton

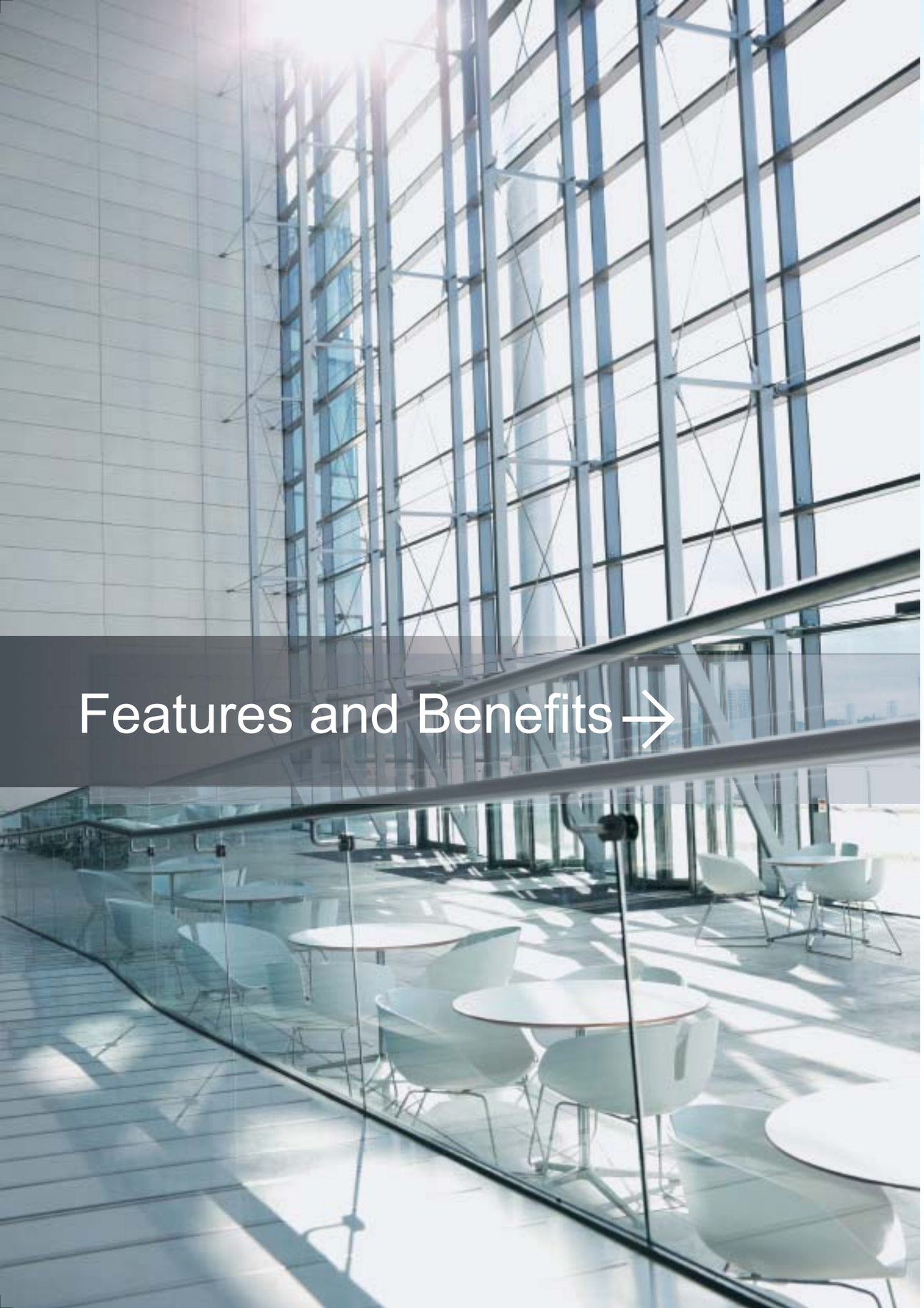
8.5&10ton

12.5ton

15&17.5ton

20ton

30ton



Features and benefits

Outstanding reliability

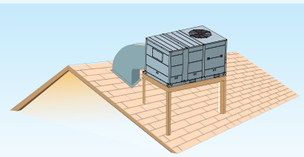
The rational design of Midea reduces the risk of defects, while the high efficiency allows saving on energy consumption and therefore on system costs. Midea is therefore the ideal solution for all applications in the residential, tertiary and industrial sectors with simultaneous heating and cooling load requirements. Total comfort, reliability and saving for large commercial surface areas.

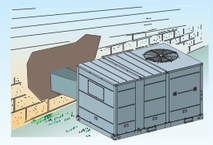
Excellent efficiency

- High efficiency scroll compressor.
- High EER.

Design flexibility

- ~~Install only when the capacity is required.~~
- Rooftop or ground is optional for installation.
- Anywhere removable as requirement without fixed.





Easy to install, service and maintain

- Installer no need enter inside of the door, only out-of-doors.
- Compact size and integrate 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 run test is performanced on each unit without any potential start up problem.

Durable construction

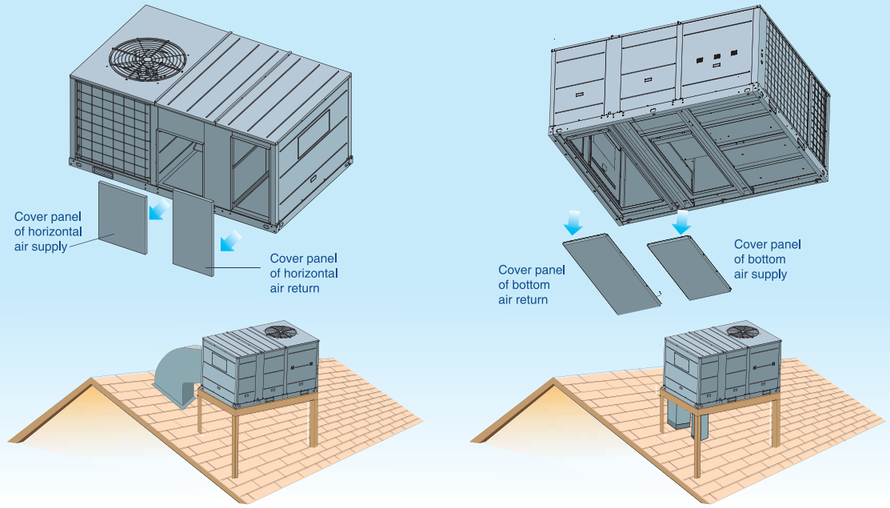
- Pre-painted exterior cabinet panels pass 1000-hour Salt Spray Test for durability.
- Weather-resistant construction with capped seams and sloped top panels.
- G90 galvanized heavy gauge plate conforming to ASTM-A-653, Zinc content of galvanized plate is 275 g/m^2.

External pressure gauge ports

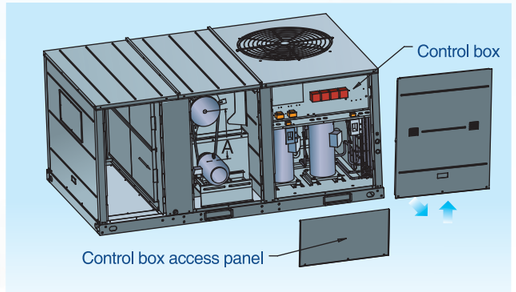
To external pressure gauge ports, which are permanently identified embossed wording that clearly identifies the compressor circuit, high pressure connection and low pressure connection. With the gauge ports mounted externally, an accurate diagnostic of system operation can be performed quickly and easily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

Convertible airflow

The unit ship in a horizontal configuration. They can be easily converted to downflow by simple moving two panels. The air inlet & outlet with horizontal duct flanges are convenient and quick to connect the duct, so the connection needn't to field fabricate, high efficiency and economic connection to flanges.



Easy access doors



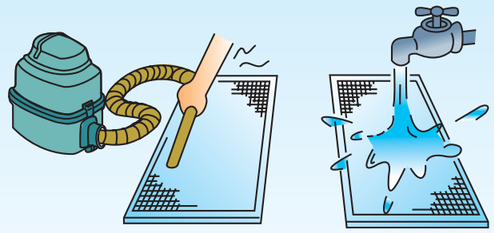
- Provides easy access to system components for maintenance and serviceable.
- Removable access doors on the filter, fan motor, and control box sections.

Well compressor control

Compressor staging is controlled directly by the control temperature. When the control temperature is warmer than the cooling set point, cooling is staged up; when the control temperature is cooler than the cooling set point, cooling is staged down. However, a stage change can only occur when the control temperature is outside the dead band. Staging is constrained by an inter-stage delay timer. These constraints protect the compressors from short cycling while eliminating temperature variations near the diffusers.

~~Recyclable and~~ washable filter

Conveniently and easily remove and install, to save the maintenance cost.



Easy drainage

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

Low voltage connections

The wiring of the low voltage connections to the unit and the zone sensors is as simple as the picture. This simplified system makes it easy for the installer to wiring.

System self diagnostic

The system self-diagnostic function, press the "check" button before start up, the LED displays the normal checking code. When the unit is in running with abnormal operation, the LED will display the malfunction code and the unit will stop running to protect the unit.

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
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

Note: The item with "*"will not be applied to 5ton.

Accessories

Description	Optional	Accessory
Auxiliary electric heaters	◆	
Filter, aluminum(thickness 25mm)	◆	
Wired controller KJR-23B	◆	
Wired controller KJR-25B	◆	
Drainage pipe		◆
Drainage outlet		◆
Snap ring		◆

Nomenclature

M R C T - 062 C W N1 - R

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

Refrigerate type
N1: R410A
Omit for R22

Wired controller

Function mode
C: Cooling only
E: Electric heater and Cooling
H: Cooling and heating

Cooling capacity (6.2ton)
XXX:ton
XX:kBtu/h

Working condition
Omit for T1 condition
T: T3 condition

Air outlet code
A: optional two air outlet ways: side and bottom
B: optional two air outlet ways: side and bottom
C: one air outlet way: side
D: one air outlet way: bottom

Rooftop package

Midea

Specification

T1 Condition-R22

Nominal ton		(Ton)	2	3	3	4	5
Model			MRA-24HW-Q	MRA-36HW-Q	MRA-36HW-R	MRA-48HW-R	MRA-60HW-R
Power Supply		V,Ph,Hz	220~240V,1Ph,50Hz	220~240V,1Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity	Btu/h	24000	36000	36000	48000	60000
		kW	7	10.5	10.5	14	17.6
	Power Input	kW	3	4.5	4.4	5.5	6.5
Heating	Heating Capacity	Btu/h	26400	39600	39600	52800	66000
		kW	7.7	11.6	11.6	15.5	19.3
	Power Input	kW	2.7	4	3.7	4.5	5.7
Max.input consumption		kW	4.3	5.6	5.5	7	8.2
Max.current		A	21.1	29.2	9.2	12	14.5
Performance	Indoor fan air flow	CFM	824	1000	1000	1700	1700
	ESP	Pa	25	40	40	50	50
	EER	Btu/h/W	8	8	8	8.7	9.2
	COP	Btu/h/W	9.8	10	10	11.7	11.6
Indoor Coil	Number of rows		2	3	3	3	3
	Fin spacing	mm	1.7	1.7	1.7	1.7	1.7
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	3/8"	3/8"	3/8"	3/8"	3/8"
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1	1	1
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1	1
	Motor model		YDK270-4V	YDK270-4V	YDK270-4V	YDK350-4V	YDK350-4V
Compressor	Type		Rotary	Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1	1
	Model		PH440X3CS-4KUS1	C-SB301H5A	C-SB303H8A	C-SB373H8A	C-SB453H8A
	Brand		MeiZhi	Sanyo	Sanyo	Sanyo	Sanyo
	Capacity	Btu/h	25784	39579	39579	49474	60392
	Refrigerant oil charge	ml	950	1700	1700	1700	1700
Outdoor Coil	Number of rows		1	2	2	2	2
	Fin spacing	mm	1.7	1.7	1.7	1.7	1.7
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	3/8"	3/8"	3/8"	3/8"	3/8"
Outdoor Fan	Type		Axial	Axial	Axial	Axial	Axial
	Quantity		1	1	1	1	1
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1	1
	Motor model		YDK165-6N	YDK165-6N	YDK165-6N	YDK165-6N	YDK180-6A
Refrigerant	Type		R22	R22	R22	R22	R22
	Refrigerant volume	Kg	1.8	2.9	2.7	3.3	3.6
	Refrigerant control		Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity		1	1	1	1	1
	Size(WXHXD)	mm	527.5X491X12.5	527.5X491X12.5	527.5X491X12.5	527.5X694X12	527.5X694X12
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	24/51/72	24/51/72	24/51/72	16/34/54	16/34/54

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)	3	3	4	5
Model			MRC-36HW	MRC-36HW-R	MRC-48HW-R	MRC-60HW-R
Power Supply		V,Ph,Hz	220~240V,1Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity	Btu/h	36000	36000	48000	60000
		kW	10.5	10.5	14	17.6
	Power Input	kW	4.2	4.1	5.5	6.7
Heating	Heating Capacity	Btu/h	39600	39600	52800	66000
		kW	11.6	11.6	15.5	19.3
	Power Input	kW	3.4	3.5	4.5	5.5
Max.input consumption		kW	5.6	5.3	6.4	8.4
Max.current		A	25.6	9.2	11.8	14.6
Performance	Indoor fan air flow	CFM	1160	1160	1550	1550
	ESP	Pa	40	40	50	50
	EER	Btu/h/W	8.6	8.7	8.7	8.9
	COP	Btu/h/W	11.8	11.5	11.7	12.1
Indoor Coil	Number of rows		3	3	4	4
	Fin spacing	mm	1.7	1.7	1.3	1.3
		inch	1/16"	1/16"	3/64"	3/64"
	Tube diameter	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	3/8"	3/8"	3/8"	3/8"
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1	1
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1
	Motor model		YDK250-6X	YDK250-6X	YDK400-4	YDK400-4
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1
	Model		C-SB301H5A	C-SB303H8A	C-SB373H8A	C-SB453H8A
	Brand		Sanyo	Sanyo	Sanyo	Sanyo
	Capacity	Btu/h	39579	39579	49474	60392
	Refrigerant oil charge	ml	1700	1700	1700	1700
Outdoor Coil	Number of rows		1	1	2	2
	Fin spacing	mm	1.7	1.7	1.7	1.7
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	3/8"	3/8"	3/8"	3/8"
Outdoor Fan	Type		Axial	Axial	Axial	Axial
	Quantity		1	1	1	1
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1
	Motor model		YDK180-6A	YDK180-6A	YDK180-6A	YDK180-6A
Refrigerant	Type		R22	R22	R22	R22
	Refrigerant volume	Kg	2.2	2.6	3.4	3.6
	Refrigerant control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity		1	1	1	1
	Size(WXHXD)	mm	197X670X10	197X670X10	197X670X10	197X670X10
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	30/62/93	30/62/93	30/62/93	30/62/93

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.

Specifications

T3 Condition-R22

Nominal ton		(Ton)	3	3	4	5
Model			MRCT-36CW	MRCT-36CW-R	MRCT-48CW-R	MRCT-60CW-R
Power Supply		V,Ph,Hz	220~240V,1Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity(1)	Btu/h	36000	36000	48000	55000
		kW	10.5	10.5	14	16
	Power Input(1)	kW	3.6	3.5	5.03	5.72
	Cooling Capacity(2)	Btu/h	32000	32000	42700	48500
		kW	9.4	9.4	12.8	14.2
	Power Input(2)	kW	4.3	4.3	6.02	6.23
Heating	Heating Capacity	Btu/h	--	--	--	--
		kW	--	--	--	--
	Power Input	kW	--	--	--	--
Max.input consumption		kW	5.5	5.1	7.4	8.4
Max.current		A	28.1	9	12.6	14.3
Performance	Indoor fan air flow	CFM	1270	1270	1670	1670
	ESP	Pa	40	40	50	50
	EER 1	Btu/h/W	10	10	10	10
	EER 2	Btu/h/W	7.5	7.5	7.5	7.5
	COP	Btu/h/W	/	/	/	/
Indoor Coil	Number of rows		3	3	4	4
	Fin spacing	mm	1.7	1.7	1.3	1.3
		inch	1/16"	1/16"	1/19"	1/19"
	Tube diameter	mm	9.53	9.53	9.53	9.53
		inch	3/8"	3/8"	3/8"	3/8"
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1	1
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1
	Motor model		YDK250-6X	YDK250-6X	YDK400-4	YDK400-4
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1
	Model		ZR42K3-PFJ-522	ZR42K3-TFD-522	ZR57KC-TFD-522	ZR68KC-TFD-522
	Brand		Copeland	Copeland	Copeland	Copeland
	Capacity	Btu/h	35000	35000	46600	56000
	Refrigerant oil charge	ml	1242	1242	1952	1774
Outdoor Coil	Number of rows		1	1	2	2
	Fin spacing	mm	1.7	1.7	1.7	1.7
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	9.53	9.53	9.53	9.53
		inch	3/8"	3/8"	3/8"	3/8"
Outdoor Fan	Type		A×ial	A×ial	A×ial	A×ial
	Quantity		1	1	1	1
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1
	Motor model		YDK180-6A	YDK180-6A	YDK180-6A	YDK180-6A
Refrigerant	Type		R22	R22	R22	R22
	Refrigerant volume	Kg	2	2	3.55	3.1
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity		1	1	1	1
	Size (W×H×D)	mm	197×670×10	197×670×10	197×670×10	197×670×10
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	30/62/90	30/62/90	30/62/90	30/62/90

Note:
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)	6.2	6.2	7.5	7.5	7.5
Model			MRBT-062CW-R	MRCT-062EW-R MRDT-062EW-R	MRBT-075CW-R	MRCT-075EW-R MRDT-075EW-R	MRBT-075HW-R
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	75000	89000	89000	89000
		kW	22	22	26	26	26
	Power Input(1)	kW	7.5	7.5	9.5	9.5	9.5
	Cooling Capacity (2)	Btu/h	65000	65000	80100	80100	80100
		kW	19	19	23.5	23.5	23.5
	Power Input(2)	kW	8.9	8.9	11	11	11
Electric Heating(Optional)	Heating Capacity	Btu/h	-	47800	-	47800	102400
		kW	-	14	-	14	30
	Power Input	kW	-	14	-	14	9.2
Max. input consumption		kW	17.5	17.5	17.5	17.5	15.4
Max. current		A	27	27	27	27	28.5
Performance	Indoor fan air flow	CFM	2900	2900	2900	2900	2900
	ESP	Pa	60	60	60	60	60
	EER 1	Btu/h/W	10	10	9.3	9.3	9.3
	EER 2	Btu/h/W	7.3	7.3	7.3	7.3	7.3
	COP	Btu/h/W	/	/	/	/	11.1
Indoor Coil	Number of rows		2	2	2	2	2
	Fin spacing	mm	1.4	1.4	1.4	1.4	1.4
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"	5/16"
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1	1	1
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1	1
	Motor model		YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2	2
	Model		VR61KF-TFP-542	VR61KF-TFP-542	VR61KF-TFP-542	VR61KF-TFP-542	VR61KF-TFP-542
	Brand		Copeland	Copeland	Copeland	Copeland	Copeland
	Capacity	Btu/h	51000	51000	51000	51000	51000
	Refrigerant oil charge	ml	1360	1360	1360	1360	1360
Outdoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"	5/16"
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1	1
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1	1
	Motor model		YS550W-6P	YS550W-6P	YS550W-6P	YS550W-6P	YS550W-6P
Refrigerant	Type		R22	R22	R22	R22	R22
	Refrigerant volume	Kg	2.2×2	2.2×2	2.2×2	2.2×2	2.2×2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity		4	4	4	4	4
	Size (W×H×D)	mm	529×357×12.5	529×357×12.5	529×357×12.5	529×357×12.5	529×357×12.5
Shipping	Qty' Per 20'/40'/40'HQ	Pieces	8/18/18	8/18/18	8/18/18	8/18/18	8/18/18

Note:
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.

Specifications

Nominal ton		(Ton)	8.5	8.5	10	10	10
Model			MRBT-085CW-R	MRCT-085EW-R MRDT-085EW-R	MRBT-100CW-R	MRCT-100EW-R MRDT-100EW-R	MRBT-100HW-R
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	107000	107000	120000	120000	120000
		kW	31.4	31.4	35	35	35
	Power Input(1)	kW	10.2	10.2	12.4	12.4	12.4
	Cooling Capacity (2)	Btu/h	94600	94600	107000	107000	107000
		kW	27.8	27.8	31.4	31.4	31.4
	Power Input(2)	kW	12.6	12.6	14.5	14.5	14.5
Electric Heating(Optional)	Heating Capacity	Btu/h	-	71700	-	71700	126000
		kW	-	21	-	21	36.7
	Power Input	kW	-	21	-	21	11
Max. input consumption		kW	15.1	15.1	16.8	23.2	16.8
Max. current		A	27.9	27.9	30.6	38	30.6
Performance	Indoor fan air flow	CFM	3600	3600	4000	4000	4000
	ESP	Pa	75	75	75	75	75
	EER 1	Btu/h/W	10.5	10.5	9.6	9.6	9.6
	EER 2	Btu/h/W	7.5	7.5	7.4	7.4	7.4
	COP	Btu/h/W	/	/	/	/	11.4
Indoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.4	1.4	1.4	1.4	1.4
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16”	5/16”	5/16”	5/16”	5/16”
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1	1	1
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1	1
	Motor model		YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2	2
	Model		ZR72KC-TFD-522	ZR72KC-TFD-522	ZR72KC-TFD-522	ZR72KC-TFD-522	ZR72KC-TFD-522
	Brand		Copeland	Copeland	Copeland	Copeland	Copeland
	Capacity	Btu/h	51000	51000	59300	59300	59300
	Refrigerant oil charge	ml	1360	1360	1700	1700	1700
Outdoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6	1.6
		inch	1/16”	1/16”	1/16”	1/16”	1/16”
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16”	5/16”	5/16”	5/16”	5/16”
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1	1
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1	1
	Motor model		YS600-6P	YS600-6P	YS600-6P	YS600-6P	YS600-6P
Refrigerant	Type		R22	R22	R22	R22	R22
	Refrigerant volume	Kg	3.0×2	3.0×2	3.2×2	3.2×2	3.0 ×2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity		4	4	4	4	4
	Size (W×H×D)	mm	566×404×12.5	566×404×12.5	566×404×12.5	566×404×12.5	566×404×12.5
Shipping	Qty' Per 20'/40'/40'HQ	Pieces	8/16/16	8/16/16	8/16/16	8/16/16	8/16/16

Note:
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)	12.5	12.5	15	15	15
Model			MRBT-125CW-R	MRCT-125EW-R MRDT-125EW-R	MRBT-150CW-R	MRCT-150EW-R MRDT-150EW-R	MRBT-150HW-R
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	150000	150000	180000	180000	180000
		kW	44	44	53	53	53
	Power Input(1)	kW	15.1	15.1	18.8	18.8	18.8
	Cooling Capacity (2)	Btu/h	129000	129000	158700	158700	158700
		kW	37.8	37.8	46.5	46.5	46.5
	Power Input(2)	kW	17.6	17.6	20.7	20.7	20.7
Electric Heating(Optional)	Heating Capacity	Btu/h	-	102000	-	102000	191000
		kW	-	30	-	30	56
	Power Input	kW	-	30	-	30	18.6
Max. input consumption		kW	21.5	21.5	24.8	24.8	27
Max. current		A	41	41	46	46	52.3
Performance	Indoor fan air flow	CFM	5000	5000	6150	6150	6150
	ESP	Pa	75	75	90	90	90
	EER 1	Btu/h/W	9.9	9.9	9.7	9.7	9.7
	EER 2	Btu/h/W	7.3	7.3	7.6	7.6	7.6
	COP	Btu/h/W	/	/	/	/	10.3
Indoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.4	1.4	1.4	1.4	1.4
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"	5/16"
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1	1	1
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1	1
	Motor model		YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2	2
	Model		VR125KS-TFP-522 +VR61KF-TFP-542	VR125KS-TFP-522 +VR61KF-TFP-542	VR144KS-TFP-522 +ZR72KC-TFD-522	VR144KS-TFP-522 +ZR72KC-TFD-522	VR144KS-TFP-522 +ZR72KC-TFD522-
	Brand		Copeland	Copeland	Copeland	Copeland	Copeland
	Capacity	Btu/h	120000+51000	120000+51000	120136+59300	120136+59300	120136+59300
	Refrigerant oil charge	ml	3253+1360	3253+1360	3253+1774	3253+1774	3253+1774
Outdoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6	1.6
		inch	1/16”	1/16”	1/16”	1/16”	1/16”
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"	5/16"
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		2	2	2	2	2
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motor quantity		2	2	2	2	2
	Motor model		YS600-6P	YS600-6P	YS600-6P	YS600-6P	YS600-6P
Refrigerant	Type		R22	R22	R22	R22	R22
	Refrigerant volume	Kg	8+3.7	8+3.7	8.8+3.8	8.8+3.8	9.4+4.3
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity		2	2	2	2	2
	Size (W×H×D)	mm	1015×815×12.5	1015×815×12.5	1015×815×12.5	1015×815×12.5	1015×815×12.5
Shipping	Qty' Per 20'/40'/40'HQ	Pieces	3/6/12	3/6/12	3/6/12	3/6/12	3/6/12

Note:
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)	17.5	17.5	20	20	20
Model			MRBT-175CW-R	MRCT-175EW-R	MRBT-200CW-R	MRCT-200EW-R MRDT-200EW-R	MRDT-200HW-R
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	210000	210000	240000	240000	240000
		kW	60	60	70	70	70
	Power Input(1)	kW	21	21	25.1	25.1	25.1
	Cooling Capacity (2)	Btu/h	185600	185600	210000	210000	210000
		kW	54.4	54.4	61.4	61.4	61.4
	Power Input(2)	kW	23.5	23.5	27.6	27.6	27.6
Electric Heating(Optional)	Heating Capacity	Btu/h	-	133000	-	133000	256000
		kW	-	39	-	39	75
	Power Input	kW	-	39	-	39	25
Max. input consumption		kW	26	39.5	33.4	41	33.4
Max. current		A	48.9	59.8	64.7	70	64.7
Performance	Indoor fan air flow	CFM	7310	7310	8000	8000	8000
	ESP	Pa	100	100	100	100	100
	EER 1	Btu/h/W	9.7	9.7	9.5	9.5	9.5
	EER 2	Btu/h/W	7.8	7.8	7.6	7.6	7.6
	COP	Btu/h/W	/	/	/	/	10.2
Indoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.7	1.7	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	9.53	9.53	7.94	7.94	7.94
		inch	3/8”	3/8”	5/16”	5/16”	5/16”
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1	1	1
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1	1
	Motor model		YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2	2
	Model		VR125KS-TFP-522	VR125KS-TFP-522	VR144KS-TFP-522	VR144KS-TFP-522	VR144KS-TFP-522
	Brand		Copeland	Copeland	Copeland	Copeland	Copeland
	Capacity	Btu/h	120000	120000	120000	120000	120000
	Refrigerant oil charge	ml	3253	3253	3200	3200	3200
Outdoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.7	1.7	1.6	1.6	1.6
		inch	1/16”	1/16”	1/16”	1/16”	1/16”
	Tube diameter	mm	9.53	9.53	7.94	7.94	7.94
		inch	3/8”	3/8”	5/16”	5/16”	5/16”
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		2	2	2	2	2
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motor quantity		2	2	2	2	2
	Motor model		YS1100-6	YS1100-6	YS1100-6	YS1100-6	YS1100-6
Refrigerant	Type		R22	R22	R22	R22	R22
	Refrigerant volume	Kg	8.0 ×2	8.0 ×2	8.0 ×2	8.0 ×2	8.0 ×2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity		2	2	2	2	2
	Size (W×H×D)	mm	978×956×12.5	978×956×12.5	978×956×12.5	978×956×12.5	978×956×12.5
Shipping	Qty' Per 20'/40'/40'HQ	Pieces	2/4/8	2/4/8	2/4/8	2/4/8	2/4/8

Note:
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)	25	25	25
Model			MRCT-250CW-R	MRCT-250EW-R	MRCT-250HW-R
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity (1)	Btu/h	300000	300000	300000
		kW	87	87	87
	Power Input(1)	kW	31.5	31.5	31.5
	Cooling Capacity (2)	Btu/h	263000	263000	263000
		kW	77	77	77
	Power Input(2)	kW	37	37	37
Electric Heating(Optional)	Heating Capacity	Btu/h	-	133000	314000
		kW	-	39	92
	Power Input	kW	-	39	30
Max. input consumption		kW	45.9	45.9	45.9
Max. current		A	87.6	87.6	87.6
Performance	Indoor fan air flow	CFM	10200	10200	10200
	ESP	Pa	170	170	170
	EER 1	Btu/h/W	9.4	9.4	9.4
	EER 2	Btu/h/W	7.1	7.1	7.1
	COP	Btu/h/W	/	/	10.5
Indoor Coil	Number of rows		4	4	4
	Fin spacing	mm	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94
		inch	5/16”	5/16”	5/16”
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1
	Drive type		Belt	Belt	Belt
	Motor quantity		1	1	1
	Motor model		YFD132M-4-7.5KW	YFD132M-4-7.5KW	YFD132M-4-7.5KW
Compressor	Type		Scroll	Scroll	Scroll
	Quantity		2	2	2
	Model		ZR190KC-TFP-522	ZR190KC-TFP-522	ZR190KC-TFP-522
	Brand		Copeland	Copeland	Copeland
	Capacity	Btu/h	155000	155000	155000
	Refrigerant oil charge	ml	3000	3000	3000
Outdoor Coil	Number of rows		3.5	3.5	3.5
	Fin spacing	mm	1.6	1.6	1.6
		inch	1/16”	1/16”	1/16”
	Tube diameter	mm	7.94	7.94	7.94
		inch	5/16”	5/16”	5/16”
Outdoor Fan	Type		Propeller	Propeller	Propeller
	Quantity		2	2	2
	Drive type		Direct	Direct	Direct
	Motor quantity		2	2	2
	Motor model		YS1500-6	YS1500-6	YS1500-6
Refrigerant	Type		R22	R22	R22
	Refrigerant volume	Kg	9.4×2	9.4×2	9.4×2
	Refrigerant Control		Capillary	Capillary	Capillary
Filter	Quantity		3	3	3
	Size (W×H×D)	mm	964×640×12.5	964×640×12.5	964×640×12.5
Shipping	Qty' Per 20'/40'/40'HQ	Pieces	2/4/8	2/4/8	2/4/8

Note:
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.

T3 Condition-R410A

Nominal ton		(Ton)	5	6.2	6.2	6.2
Model			MRBT-60CWN1-R	MRBT-062CWN1-R	MRCT-062EWN1-R	MRBT-062HWN1-R
Power Supply		V/Ph/Hz	380~415V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity 1	Btu/h	59000	75000	75000	75000
		kW	17	22	22	22
	Power Input 1	kW	5.6	7.7	7.7	7.7
	Cooling Capacity 2	Btu/h	51200	65000	65000	65000
		kW	15	19	19	19
	Power Input 2	kW	6.7	8.6	8.6	8.6
Heating	Heating Capacity	Btu/h	-	-	47800	89000
		kW	-	-	14	26
	Power Input	kW	-	-	14	7.6
Max.input consumption		kW	8.1	10.9	16	11.3
Max.power input		A	18	20.1	20.1	21
Performance	Indoor fan air flow	CFM	1800	2600	2600	2600
	ESP	Pa	50	60	60	60
	EER 1	Btu/h/W	10.4	9.7	9.7	9.7
	EER 2	Btu/h/W	7.6	7.5	7.5	7.5
	COP	Btu/h/W	/	/	/	11.6
Indoor Coil	Number of rows		4	2	2	2
	Fin spacing	mm	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
Indoor Fan	Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1	1
	Drive type		Direct	Belt	Belt	Belt
	Motor quantity		1	1	1	1
	Motor model		YDK550-4E	YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1
	Model		ZP67KCE-TFD-522	SH090A4ALC	SH090A4ALC	SH090A4ALC
	Brand		Copeland	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	55000	76090	76090	76090
	Refrigerant oil charge	ml	1656	3000	3000	3000
Outdoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.3	1.6	1.6	1.6
		inch	3/64"	1/16"	1/16"	1/16"
	Tube diameter	mm	7	7.94	7.94	7.94
		inch	9/32"	5/16"	5/16"	5/16"
Outdoor Fan	Type		Axial	Propeller	Propeller	Propeller
	Quantity		1	1	1	1
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1
	Motor model		YDK230-6G-6	YS600-6P	YS600-6P	YS600-6P
Outdoor sound level(sound pressure level)		dB(A)	62.9	70.3	70.3	70.3
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5	5.2	5.2	5.2
	Refrigerant Control		Piston	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	1	2	2	2
	Size (W×H×D)	mm	410 X 495 X 25	447 X 885 X 10	447 X 885 X 10	447 X 885 X 10
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	12/24/36	12/28/28	12/28/28	12/28/28

Note:
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)	7.5	7.5	7.5	8.5
Model			MRBT-075CWN1-R	MRCT-075EWN1-R	MRBT-075HWN1-R	MRBT-085CWN1-R
Power Supply		V/Ph/Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity 1	Btu/h	89000	89000	89000	103000
		kW	26	26	26	30
	Power Input 1	kW	9.2	9.2	9.2	10.4
	Cooling Capacity 2	Btu/h	80100	80100	80100	91450
		kW	23.5	23.5	23.5	26.8
	Power Input 2	kW	10.7	10.7	10.7	11.9
Heating	Heating Capacity	Btu/h	-	47800	102000	-
		kW	-	14	30	-
	Power Input	kW	-	14	8.8	-
Max. input consumption		kW	13	16	13	14
Max. power input		A	25	25	24	26.3
Performance	Indoor fan air flow	CFM	2900	2900	2900	3600
	ESP	Pa	60	60	60	75
	EER 1	Btu/h/W	9.7	9.7	9.7	9.8
	EER 2	Btu/h/W	7.5	7.5	7.5	7.7
	COP	Btu/h/W	/	/	11.6	/
Indoor Coil	Number of rows		2	2	2	3
	Fin spacing	mm	1.6	1.6	1.6	1.4
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
Indoor Fan	Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1	1
	Drive type		Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1
	Motor model		YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1
	Model		SH105A4ALC	SH105A4ALC	SH105A4ALC	SH120A4ALC
	Brand		Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	91500	91500	91500	102200
	Refrigerant oil charge	ml	3000	3000	3000	3300
Outdoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1
	Motor model		YS600-6P	YS600-6P	YS600-6P	YS1100-6
Outdoor sound level(sound pressure level)		dB(A)	70.3	70.3	70.3	72.2
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5.6	5.6	6	6.5
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	2	2	2	2
	Size (W×H×D)	mm	447 X 885 X 10	447 X 885 X 10	447 X 885 X 10	566 X 814 X 10
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	12/28/28	12/28/28	12/28/28	8/16/16

Note:
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)	8.5	8.5	10	10
Model			MRCT-085EWN1-R	MRBT-085HWN1-R	MRBT-100CWN1-R	MRCT-100EWN1-R
Power Supply		V/Ph/Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity 1	Btu/h	103000	103000	120000	120000
		kW	30	30	35	35
	Power Input 1	kW	10.4	10.4	11.8	11.8
	Cooling Capacity 2	Btu/h	91450	91450	97000	97000
		kW	26.8	26.8	31.4	31.4
	Power Input 2	kW	11.9	11.9	13.1	13.1
Heating	Heating Capacity	Btu/h	71700	120000	-	71700
		kW	21	35	-	21
	Power Input	kW	21	10.1	-	21
Max. input consumption		kW	23.2	14	17.7	23.2
Max. power input		A	26.3	27.5	30	30
Performance	Indoor fan air flow	CFM	3600	3600	4030	4030
	ESP	Pa	75	75	75	75
	EER 1	Btu/h/W	9.8	9.8	10.2	10.2
	EER 2	Btu/h/W	7.7	7.7	8.2	8.2
	COP	Btu/h/W	/	11.6	/	/
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.4	1.4	1.4	1.4
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
Indoor Fan	Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1	1
	Drive type		Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1
	Motor model		YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW	YFD90L-4-1.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1
	Model		SH120A4ALC	SH120A4ALC	SH140A4ALC	SH140A4ALC
	Brand		Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	102200	102200	119000	119000
	Refrigerant oil charge	ml	3300	3300	3300	3300
Outdoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1
	Motor model		YS1100-6	YS1100-6	YS1100-6	YS1100-6
Outdoor sound level(sound pressure level)		dB(A)	72.2	72.2	72.2	72.2
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	6.5	6.8	6.7	6.7
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	2	2	2	2
	Size (W×H×D)	mm	566 X 814 X 10	566 X 814 X 10	566 X 814 X 10	566 X 814 X 10
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	8/16/16	8/16/16	8/16/16	8/16/16

Note:
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)	10	12.5	12.5	15
Model			MRBT-100HWN1-	MRBT-125CWN1-R	MRBT-125HWN1-R	MRBT-150CWN1-R
Power Supply		V/Ph/Hz	380~400V,3Ph,50	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity 1	Btu/h	120000	147000	147000	180000
		kW	35	43	43	53
	Power Input 1	kW	11.8	16.2	16.2	18.6
	Cooling Capacity 2	Btu/h	97000			158700
		kW	31.4			46.5
	Power Input 2	kW	13.1			21.3
Heating	Heating Capacity	Btu/h	126000	-	167000	-
		kW	37	-	49	-
	Power Input	kW	10.9	-		-
Max. input consumption		kW	17	21.2		27
Max. power input		A	31	37.8		53
Performance	Indoor fan air flow	A	31	5200		53
	ESP	Pa	75	90		90
	EER 1	Btu/h/W	10.2			9.7
	EER 2	Btu/h/W	8.2			7.5
	COP	Btu/h/W	11.6			/
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.4	1.5	1.5	1.4
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7	7	7.94
		inch	5/16"	9/32"	9/32"	5/16"
Indoor Fan	Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1	1
	Drive type		Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1
	Motor model		YFD90L-4-1.5KW	Y2-100L2-4	Y2-100L2-4	YFD132S-4-5.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	2	2	2
	Model		SH140A4ALC	ZP120KCE-TFD-522 +ZP61KCE-TFD-522	ZP120KCE-TFD-522 +ZP61KCE-TFD-522	SH105A4ALC
	Brand		Danfoss	Copeland	Copeland	Danfoss
	Capacity	Btu/h	119000	99500+50000	99500+50000	91500×2
	Refrigerant oil charge	ml	3300	1774		3000×2
Outdoor Coil	Number of rows		3	3.5	3.5	3
	Fin spacing	mm	1.6	1.5	1.5	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7	7	7.94
		inch	5/16"	9/32"	9/32"	5/16"
Outdoor Fan	Type		Propeller	Axial		Propeller
	Quantity		1	1	1	2
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	2
	Motor model		YS1100-6	YS1100-6	YS1100-6	YS600-6P
Outdoor sound level(sound pressure		dB(A)	72.2	72.3	72.3	72.4
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	7.5	4.7+2.2	5.4+3	5.8 X 2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	2	2	2	2
	Size (W×H×D)	mm	566 X 814 X 10	1045x605x12	1045x605x12	900 X 815 X 12.5
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	8/16/16			3/6/12

Note:
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	15	17.5	17.5
Model			MRCT-150EWN1-R	MRBT-150HWN1-R	MRBT-175CWN1-R	MRCT-175EWN1-R
Power Supply		V/Ph/Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity 1	Btu/h	180000	180000	205000	205000
		kW	53	53	60	60
	Power Input 1	kW	18.6	18.6	20	20
	Cooling Capacity 2	Btu/h	158700	158700	176500	176500
		kW	46.5	46.5	51.7	51.7
	Power Input 2	kW	21.3	21.3	23.5	23.5
Heating	Heating Capacity	Btu/h	102400	191000	-	102400
		kW	30	56	-	30
	Power Input	kW	30	17.5	-	30
Max. input consumption		kW	32	27	29	32
Max. power input		A	53	45	65	65
Performance	Indoor fan air flow	CFM	6150	6150	6150	6150
	ESP	Pa	90	90	90	90
	EER 1	Btu/h/W	9.7	9.7	10.2	10.2
	EER 2	Btu/h/W	7.5	7.5	7.5	7.5
	COP	Btu/h/W	/	11	/	/
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.4	1.4	1.4	1.4
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
Indoor Fan	Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1	1
	Drive type		Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1
	Motor model		YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2
	Model		SH105A4ALC	SH105A4ALC	SH120A4ALC	SH120A4ALC
	Brand		Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	91500×2	91500×2	102200×2	102200×2
	Refrigerant oil charge	ml	3000×2	3000×2	3300×2	3300×2
Outdoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		2	2	2	2
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		2	2	2	2
	Motor model		YS600-6P	YS600-6P	YS1100-6	YS1100-6
Outdoor sound level(sound pressure level)		dB(A)	72.4	72.4	72.4	72.4
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5.8 X 2	6.5 X 2	5.2 X 2	5.2 X 2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	2	2	2	2
	Size (W×H×D)	mm	900 X 815 X 12.5	900 X 815 X 12.5	900 X 815 X 12.5	900 X 815 X 12.5
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	3/6/12	3/6/12	3/6/12	3/6/12

Note:
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)	17.5	20	20	20
Model			MRBT-175HWN1-R	MRBT-200CWN1-R	MRCT-200EWN1-R	MRBT-200HWN1-R
Power Supply		V/Ph/Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity 1	Btu/h	205000	240000	240000	240000
		kW	60	70	70	70
	Power Input 1	kW	20	23.6	23.6	23.6
	Cooling Capacity 2	Btu/h	176500	210000	210000	210000
		kW	51.7	61.4	61.4	61.4
	Power Input 2	kW	23.5	27.7	27.7	27.7
Heating	Heating Capacity	Btu/h	191000	-	133100	256000
		kW	67	-	39	75
	Power Input	kW	19.8	-	39	23.4
Max. input consumption		kW	29	36	41	36
Max. power input		A	65	66	66	75
Performance	Indoor fan air flow	CFM	6150	8400	8400	8400
	ESP	Pa	90	100	100	100
	EER 1	Btu/h/W	10.2	10.1	10.1	10.1
	EER 2	Btu/h/W	7.5	7.6	7.6	7.6
	COP	Btu/h/W	11	/	/	11
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.4	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
Indoor Fan	Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1	1
	Drive type		Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1
	Motor model		YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW	YFD132S-4-5.5KW
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2
	Model		SH120A4ALC	SH140A4ALC	SH140A4ALC	SH140A4ALC
	Brand		Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	102200×2	119000×2	119000×2	119000×2
	Refrigerant oil charge	ml	3300×2	3300×2	3300×2	3300×2
Outdoor Coil	Number of rows		3	4	4	4
	Fin spacing	mm	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		2	2	2	2
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		2	2	2	2
	Motor model		YS1100-6	YS1500-6	YS1500-6	YS1500-6
Outdoor sound level(sound pressure level)		dB(A)	72.4	74.2	74.2	74.2
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5.6 X 2	8.1 X 2	8.1 X 2	8.8 X 2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	2	3	3	3
	Size (W×H×D)	mm	900 X 815 X 12.5	640 X 1008 X 12.5	640 X 1008 X 12.5	640 X 1008 X 12.5
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	3/6/12	2/4/8	2/4/8	2/4/8

Note:
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.

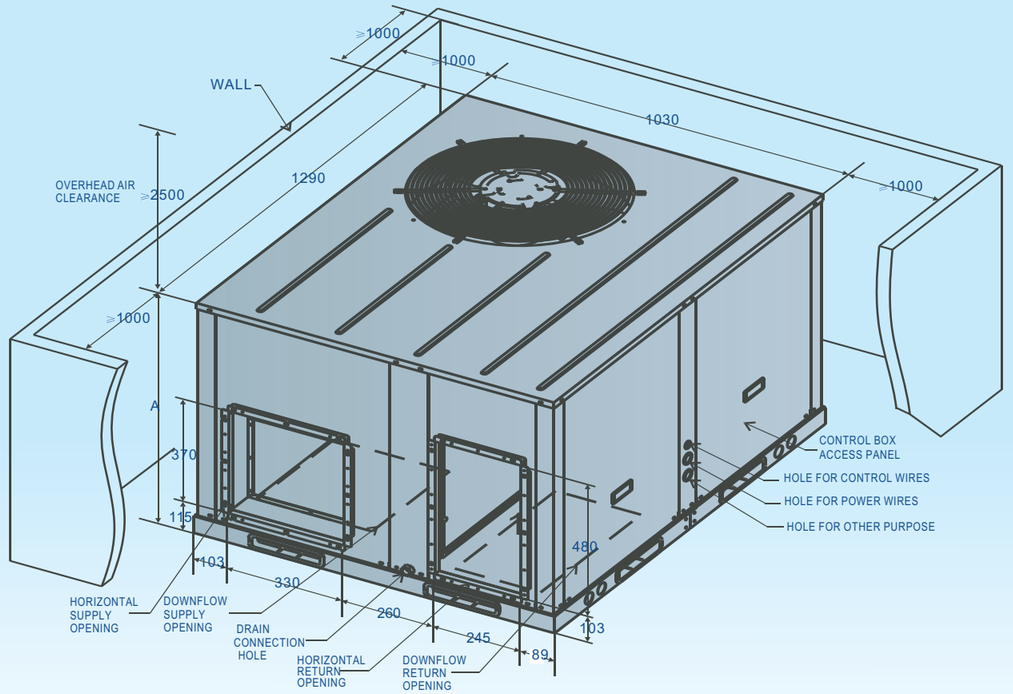
Nominal ton		(Ton)	30	30	30
Model			MRCT-300CWN1-R	MRCT-300EWN1-R	MRCT-300HWN1-R
Power Supply		V/Ph/Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity 1	Btu/h	331000	331000	331000
		kW	97	97	97
	Power Input 1	kW	33	33	33
	Cooling Capacity 2	Btu/h	299600	299600	299600
		kW	87.8	87.8	87.8
	Power Input 2	kW	40.1	40.1	40.1
Heating	Heating Capacity	Btu/h	-	133000	358000
		kW	-	39	105
	Power Input	kW	-	39	35.8
Max. input consumption		kW	48	48	48
Max. power input		A	92	92	92
Performance	Indoor fan air flow	CFM	12000	12000	12000
	ESP	Pa	250	250	250
	EER 1	Btu/h/W	10	10	10
	EER 2	Btu/h/W	7.5	7.5	7.5
	COP	Btu/h/W	/	/	7.4
Indoor Coil	Number of rows		3	3	3
	Fin spacing	mm	1.5	1.5	1.5
		inch	1/16"	1/16"	1/16"
	Tube diameter	mm	7	7	7
		inch	9/32"	9/32"	9/32"
Indoor Fan	Type		Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1
	Drive type		Belt	Belt	Belt
	Motor quantity		1	1	1
	Motor model		Y(2)132M-4-7.5KW	Y(2)132M-4-7.5KW	Y(2)132M-4-7.5KW
Compressor	Type		Scroll	Scroll	Scroll
	Quantity		2	2	2
	Model		SH184A4ALC	SH184A4ALC	SH184A4ALC
	Brand		Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	152384×2	152384×2	152384×2
	Refrigerant oil charge	ml	3600×2	3600×2	3600×2
Outdoor Coil	Number of rows		3.5	3.5	3.5
	Fin spacing	mm	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"
	Tube diameter	mm	7	7	7
		inch	9/32"	9/32"	9/32"
Outdoor Fan	Type		Propeller	Propeller	Propeller
	Quantity		2	2	2
	Drive type		Direct	Direct	Direct
	Motor quantity		2	2	2
	Motor model		YS1500-6	YS1500-6	YS1500-6
Outdoor sound level(sound pressure level)		dB(A)	74.2	74.2	74.2
Refrigerant	Type		R410A	R410A	R410A
	Refrigerant volume	Kg	8.3 X 2	9.4 X 2	9.4 X 2
	Refrigerant Control		Capillary	Capillary	Capillary
Filter	Quantity	Pieces	3	3	3
	Size (W×H×D)	mm	1492 X 640 X 12.5	1492 X 640 X 12.5	1492 X 640 X 12.5
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	2/4/4	2/4/4	2/4/4

Note:
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.

Dimensional data

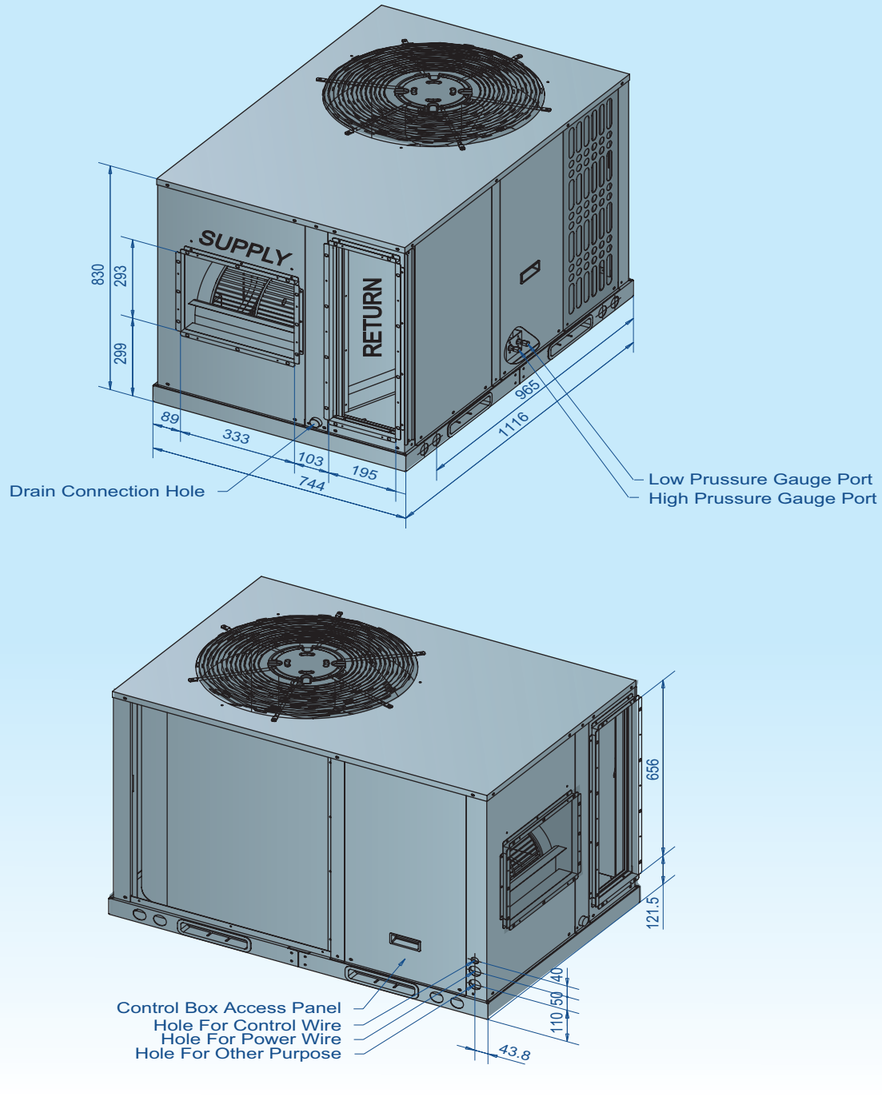
T1 Condition-R22

MRA



Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRA-24HW-Q	1290×630×1030	1325x665x1085	150	152
MRA-36HW-Q	1290×630×1030	1325x665x1085	160	162
MRA-36HW-R	1290×630×1030	1325x665x1085	160	162
MRA-48HW-R	1290×830×1030	1325x865x1085	197	200
MRA-60HW-R	1290×830×1030	1325x865x1085	197	200

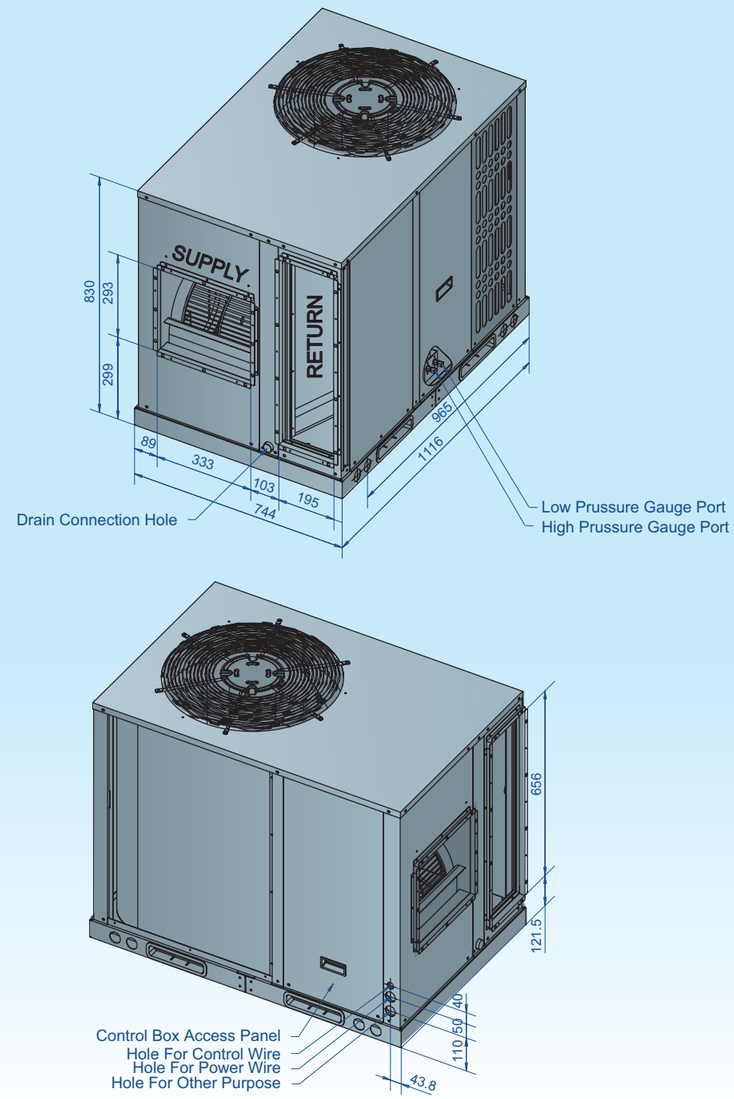
MRC



Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRC-36HW	1290×630×1030	1325x665x1085	158	161
MRC-36HW-R	1290×630×1030	1325x665x1085	158	161
MRC-48HW-R	1290×830×1030	1325x865x1085	169	172
MRC-60HW-R	1290×830×1030	1325x865x1085	171	174

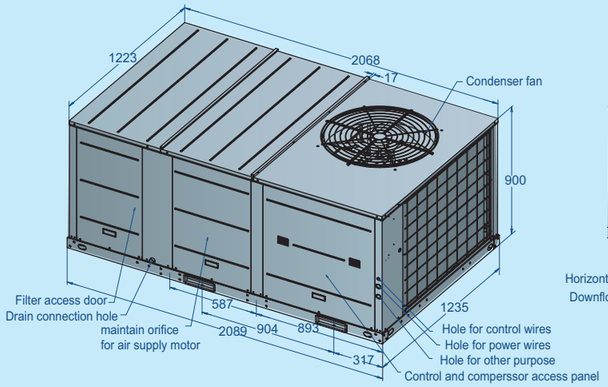
T3 Condition-R22

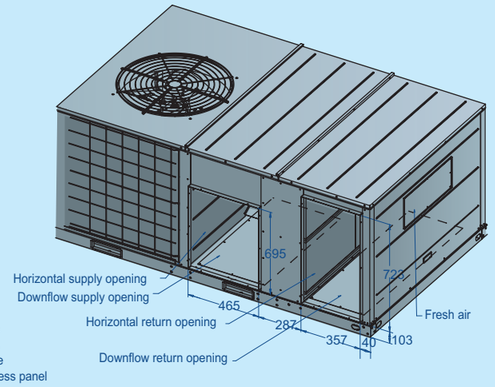
3&4&5ton

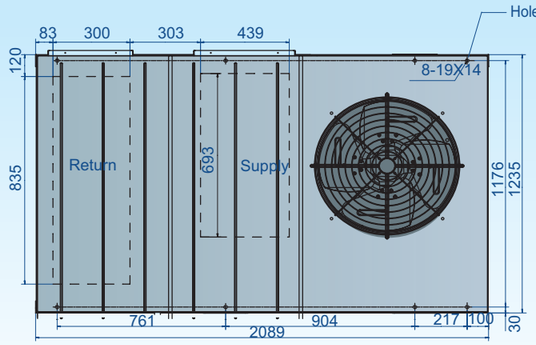


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-36CW	1102×830×730	1152x870x765	156	159
MRCT-36CW-R	1102×830×730	1152x870x765	156	159
MRCT-48CW-R	1102×830×730	1152x870x765	167	170
MRCT-60CW-R	1102×830×730	1152x870x765	167	170

6.2&7.5ton

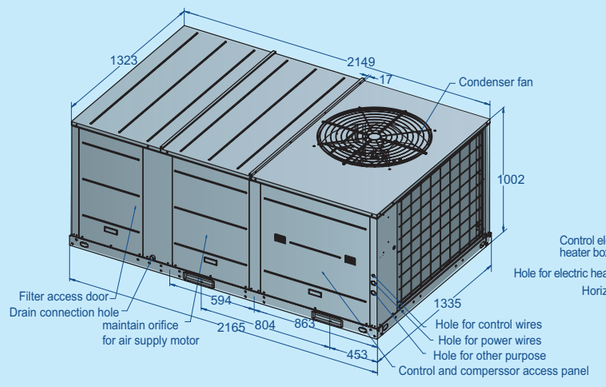


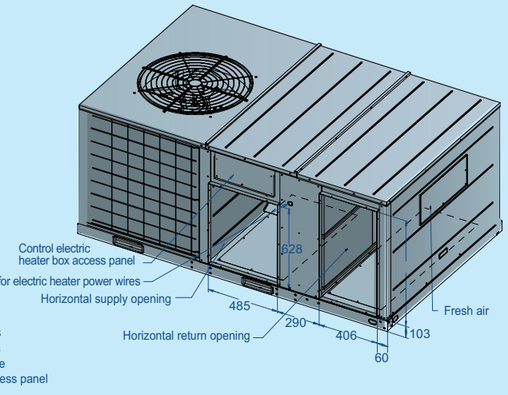


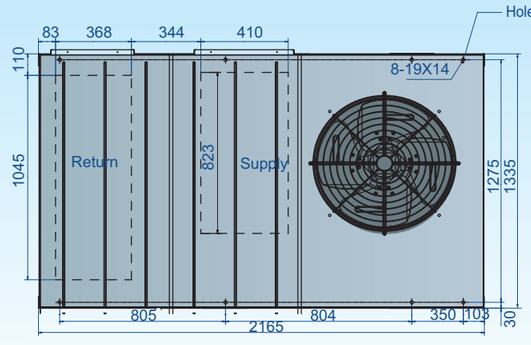


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-062CW-R	2089×900×1235	2135×940×1315	370	414
MRCT-062EW-R	2089×900×1235	2135×940×1315	380	424
MRDT-062EW-R	2089×900×1235	2135×940×1315	380	424
MRBT-075CW-R	2089×900×1235	2135×940×1315	370	414
MRCT-075EW-R	2089×900×1235	2135×940×1315	380	424
MRDT-075EW-R	2089×900×1235	2135×940×1315	380	424
MRBT-075HW-R	2089×900×1235	2135×940×1315	375	419

8.5&10ton

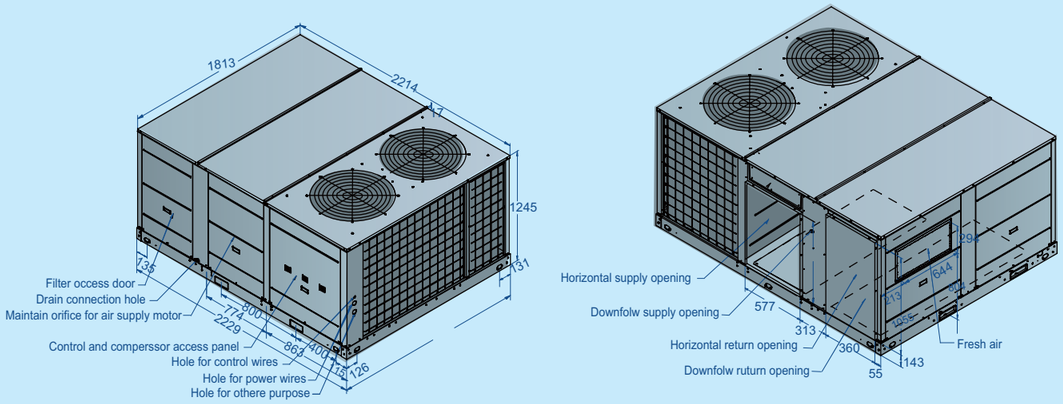


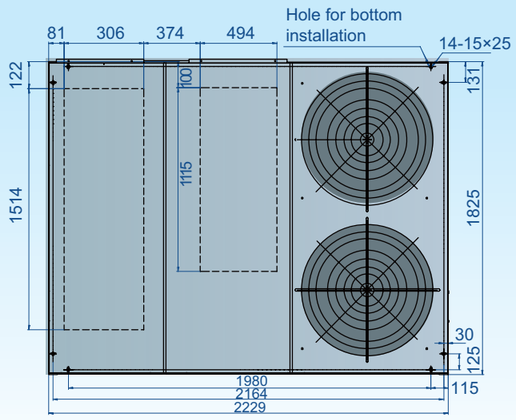




Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-085CW-R	2165×1002×1335	2220×1040×1415	425	438
MRCT-085EW-R	2165×1002×1335	2220×1040×1415	435	448
MRDT-085EW-R	2165×1002×1335	2220×1040×1415	435	448
MRBT-100CW-R	2165×1002×1335	2220×1040×1415	425	438
MRCT-100EW-R	2165×1002×1335	2220×1040×1415	435	448
MRDT-100EW-R	2165×1002×1335	2220×1040×1415	435	448
MRBT-100HW-R	2165×1002×1335	2220×1040×1415	430	473

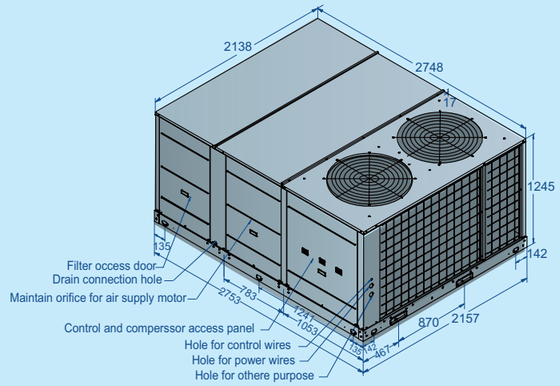
12.5&15ton

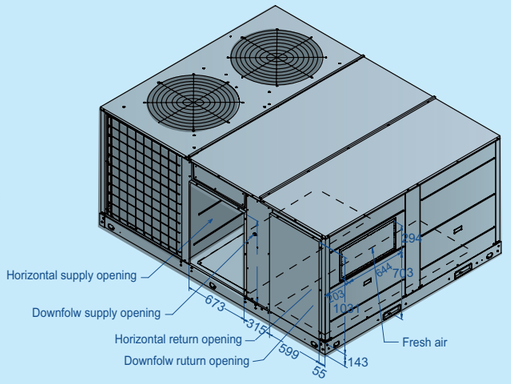


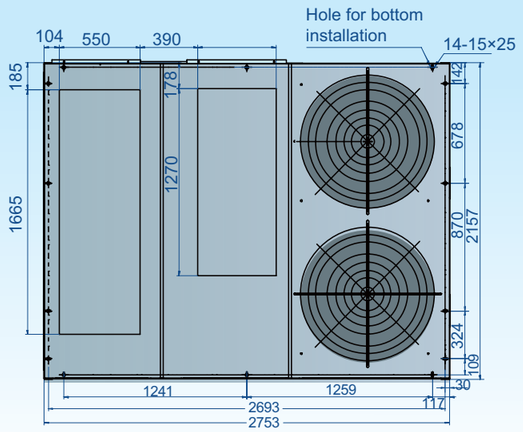


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-125CW-R	2229×1245×1825	2236×1280×1855	680	700
MRCT-125EW-R	2229×1245×1825	2236×1280×1855	690	710
MRDT-125EW-R	2229×1245×1825	2236×1280×1855	690	710
MRBT-150CW-R	2229×1245×1825	2236×1280×1855	690	710
MRCT-150EW-R	2229×1245×1825	2236×1280×1855	700	720
MRDT-150EW-R	2229×1245×1825	2236×1280×1855	700	720
MRBT-150HW-R	2229×1245×1825	2236×1280×1855	720	740

17.5&20ton

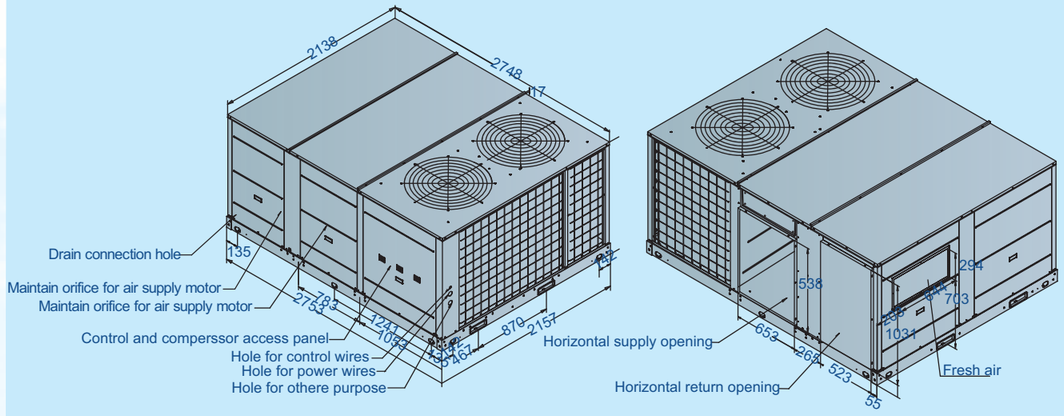


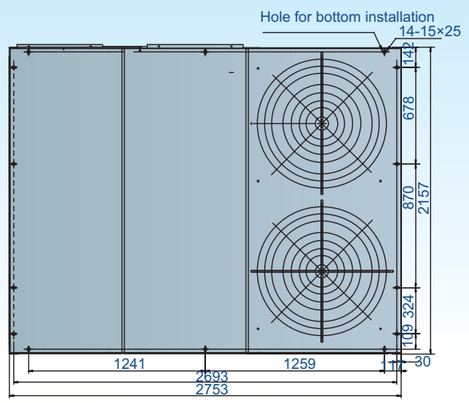




Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-175CW-R	2753×1245×2157	2760×1280×2175	900	915
MRCT-175EW-R	2753×1245×2157	2760×1280×2175	915	930
MRBT-200CW-R	2753×1245×2157	2760×1280×2175	940	955
MRCT-200EW-R	2753×1245×2157	2760×1280×2175	955	970
MRDT-200EW-R	2753×1245×2157	2760×1280×2175	955	970

25ton

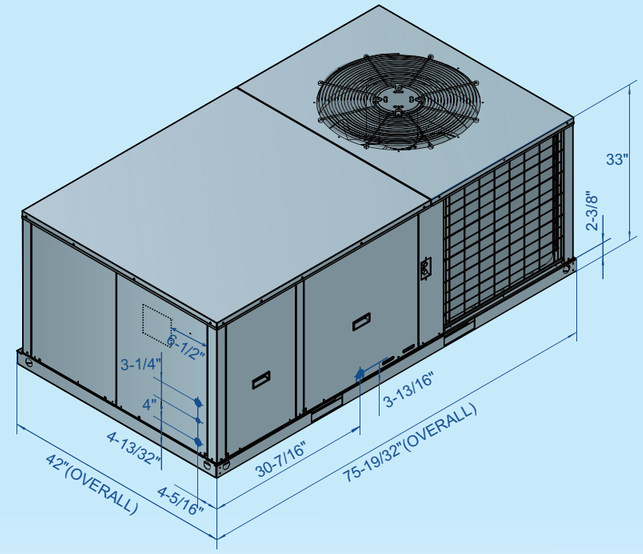


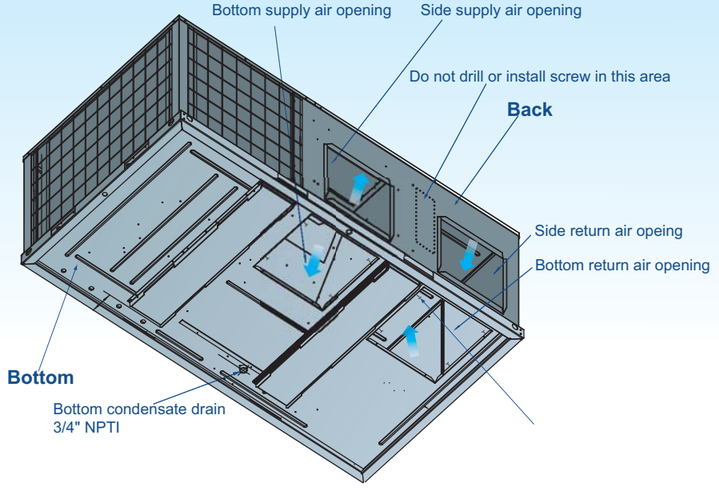


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-250CW-R	2753×1245×2157	2760×1280×2175	965	980
MRCT-250EW-R	2753×1245×2157	2760×1280×2175	980	995
MRCT-250HW-R	2753×1245×2157	2760×1280×2175	970	985

T3 Condition-R410A

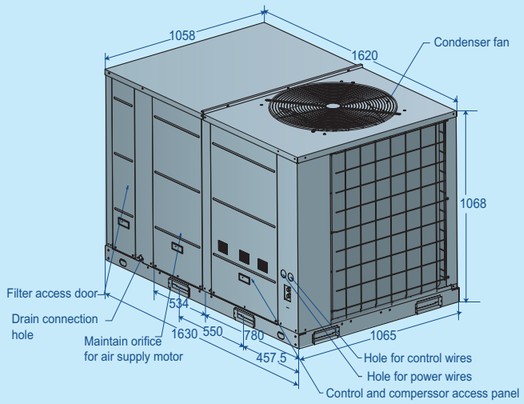
5ton

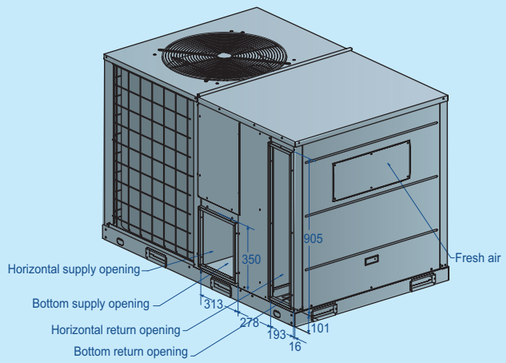


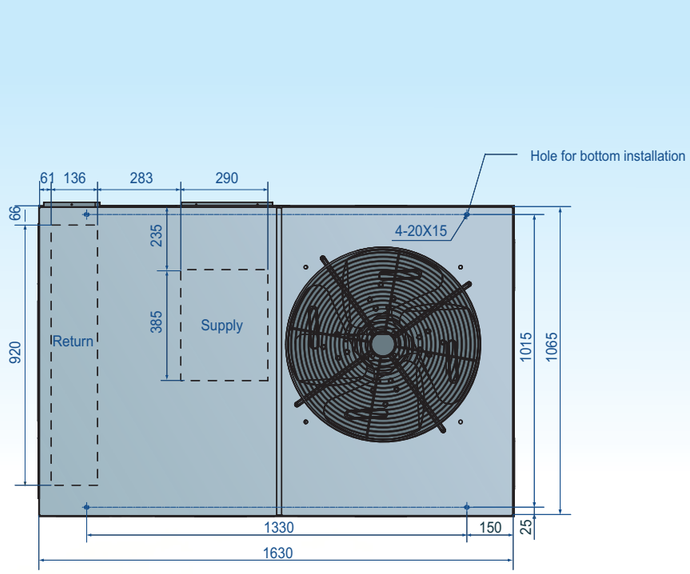


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-60CWN1-R	1920×840×1068	1955×870×1085	230	234

6.2&7.5ton

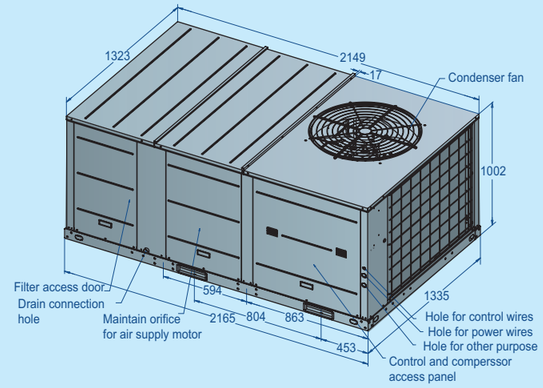


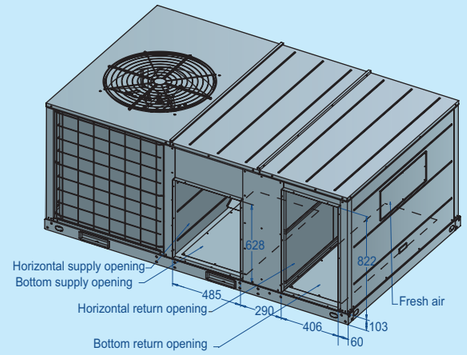




Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-062CWN1-R	1630X1065X1068	1700X1110X1160	315	335
MRCT-062EWN1-R	1630X1065X1068	1700X1110X1160	323	343
MRBT-062HWN1-R	1630X1065X1068	1700X1110X1160	320	340
MRBT-075CWN1-R	1630X1065X1068	1700X1110X1160	315	335
MRCT-075EWN1-R	1630X1065X1068	1700X1110X1160	323	343
MRBT-075HWN1-R	1630X1065X1068	1700X1110X1160	380	390

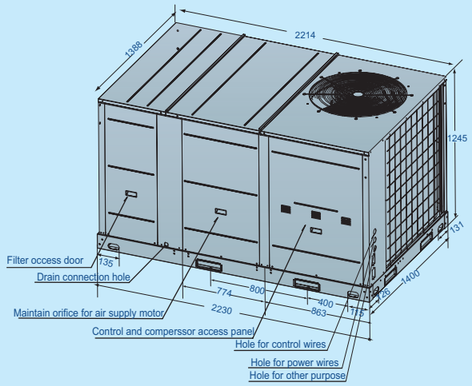
8.5&10ton

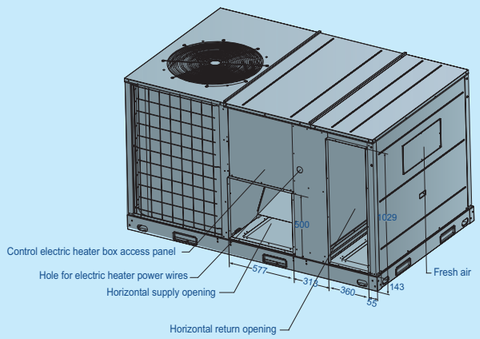




Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-085CWN1-R	2165X1021X1335	2220X1140X1415	445	458
MRCT-085EWN1-R	2165X1021X1335	2220X1140X1415	455	468
MRBT-085HWN1-R	2165X1021X1335	2220X1140X1415	450	463
MRBT-100CWN1-R	2165X1021X1335	2220X1140X1415	445	458
MRCT-100EWN1-R	2165X1021X1335	2220X1140X1415	455	468
MRBT-100HWN1-R	2165X1021X1335	2220X1140X1415	450	463

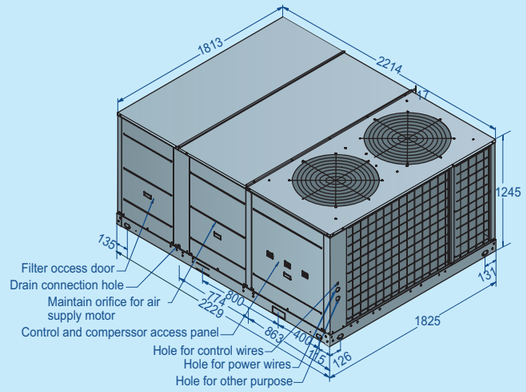
12.5ton

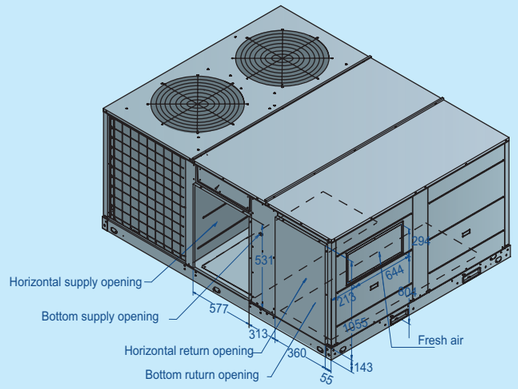


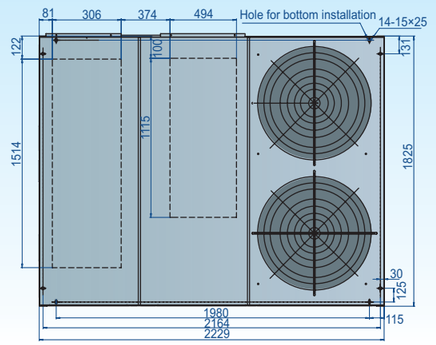


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-125CWN1-R	2229×1425×1245	2236×1455×1280	520	535
MRBT-125HWN1-R	2229×1425×1245	2236×1455×1280	550	565

15&17.5ton



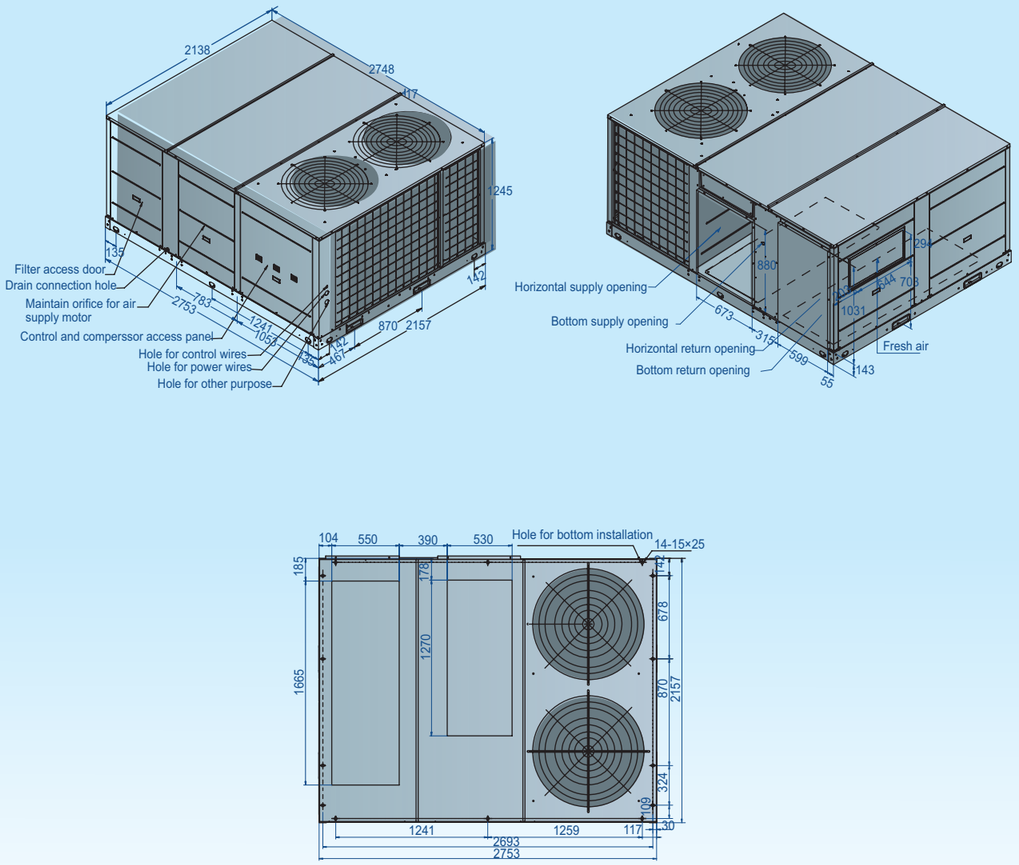




Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-150CWN1-R	2230 X1245X1824	2236 X1300X1855	710	730
MRCT-150EWN1-R	2230 X1245X1824	2236 X1300X1855	720	740
MRBT-150HWN1-R	2230 X1245X1824	2236 X1300X1855	730	750
MRBT-175CWN1-R	2230 X1245X1824	2236 X1300X1855	730	750
MRCT-175EWN1-R	2230 X1245X1824	2236 X1300X1855	750	770
MRBT-175HWN1-R	2230 X1245X1824	2236 X1300X1855	750	770

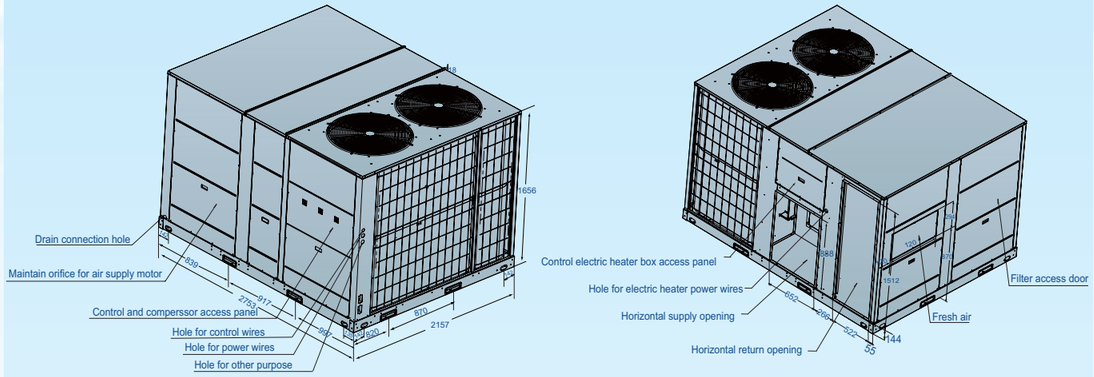
Dimensional data

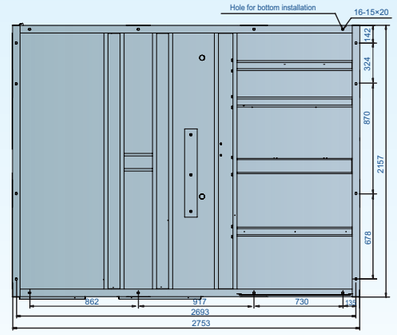
20ton



Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-200CWN1-R	2753 X1245X2157	2755x1300x2180	925	940
MRCT-200EWN1-R	2753 X1245X2157	2755x1300x2180	940	955
MRBT-200HWN1-R	2753 X1245X2157	2755x1300x2180	940	955

30ton



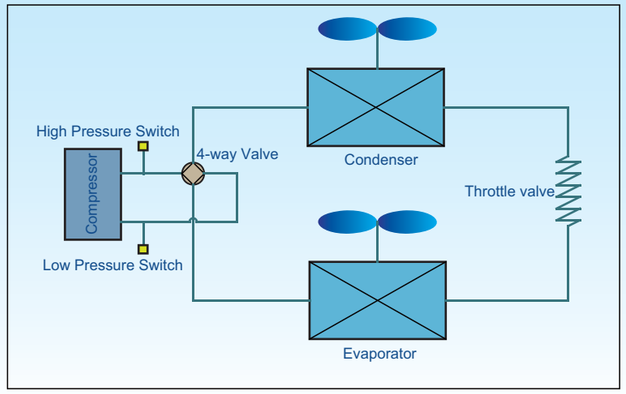


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-300CWN1-R	2753X1674X2157	2755 X1690X2180	1090	1100
MRCT-300EWN1-R	2753X1674X2157	2755 X1690X2180	1110	1130
MRCT-300HWN1-R	2753X1674X2157	2755 X1690X2180	1110	1130

Refrigerant cycle diagram

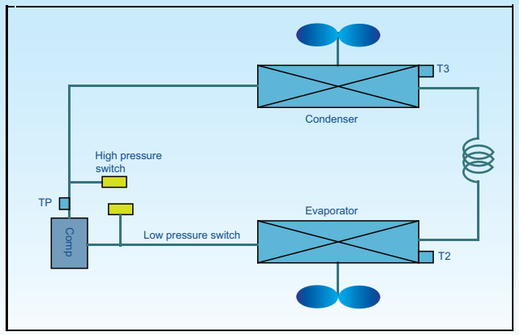
Refrigerant cycle diagram

T1 Condition-R22



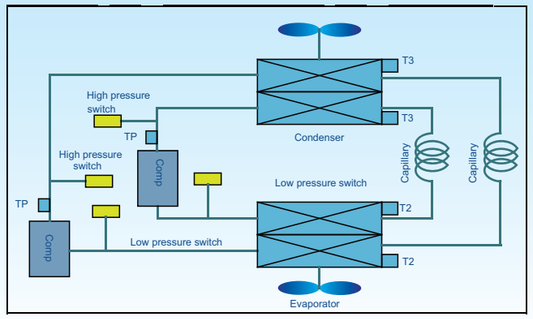
T3 Condition-R22

3,4&5ton

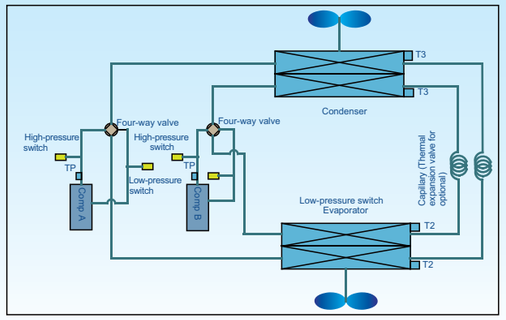


6.2,7.5,8.5,10,12.5,15,17.5,20,25ton

Cooling,Cooling+PTC type



Cooling and Heating type

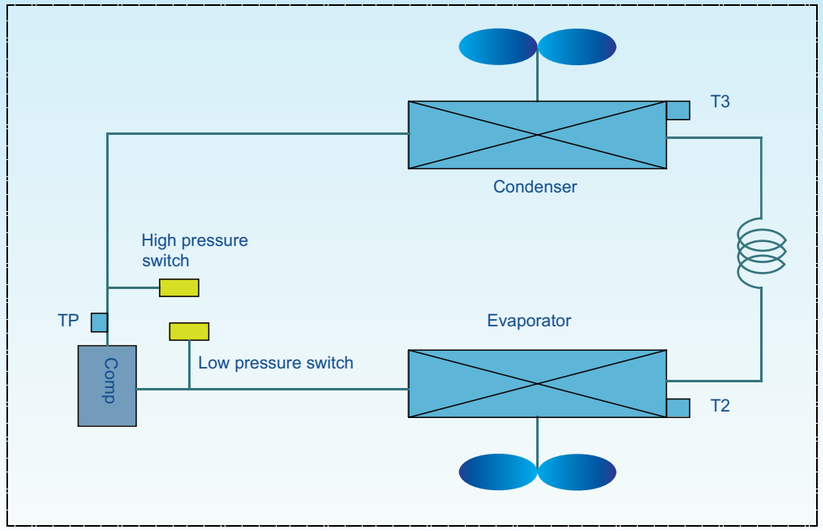


TP: Compressor discharge temperature sensor in system A and B
T2: Indoor coil temperature sensor in system A and B
T3: Outdoor coil temperature sensor in system A and B

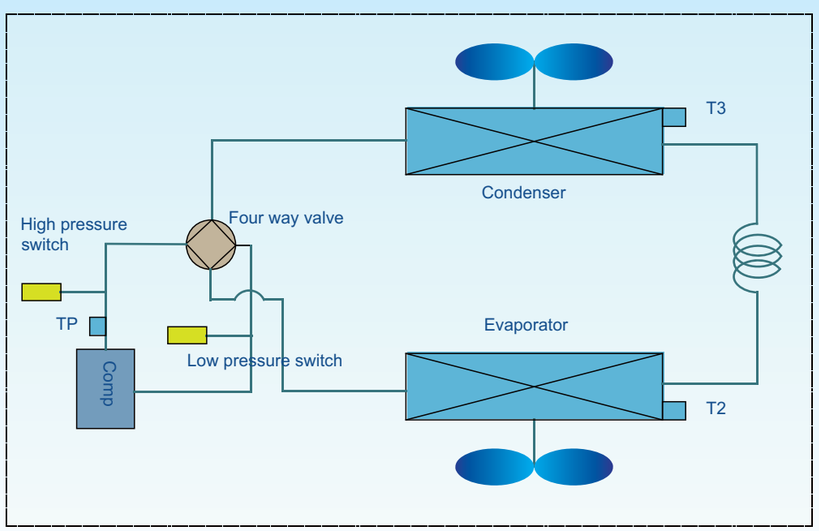
T3 Condition–R410A

5, 6.2, 7.5, 8.5, 10&12.5ton

Cooling， Cooling+PTC type



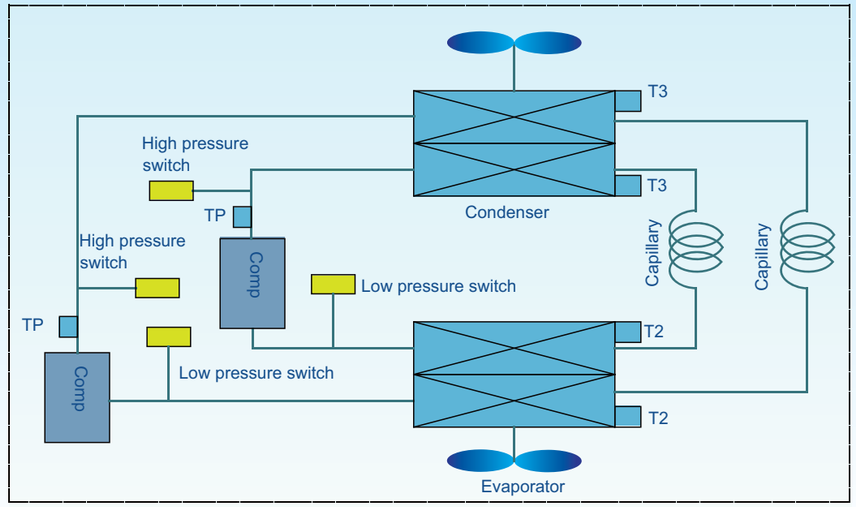
Cooling and Heating type



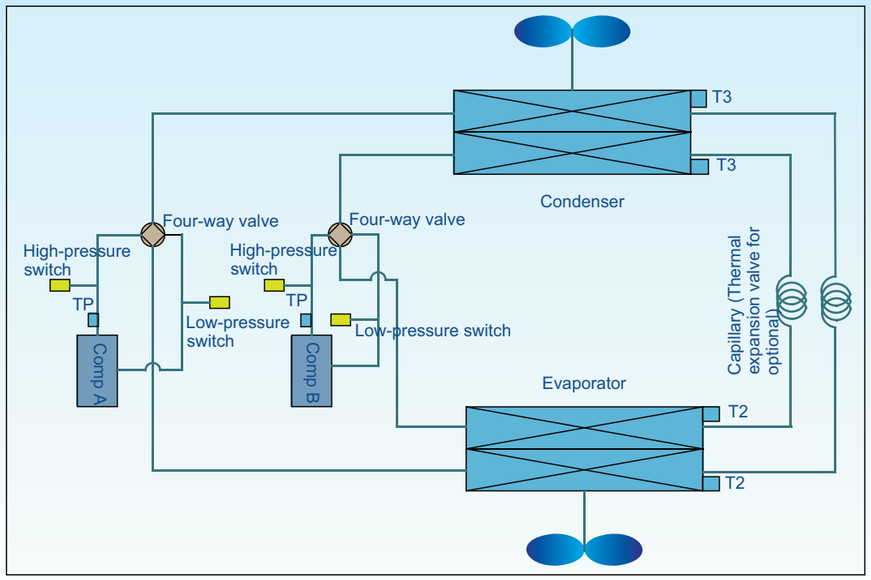
TP: Compressor discharge temperature sensor in system A and B
T2: Indoor coil temperature sensor in system A and B
T3: Outdoor coil temperature sensor in system A and B

15,17.5,20&30ton:

Cooling, Cooling+PTC type



Cooling and Heating 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

Refrigerant cycle diagram

Capacity table

T1 Condition–R22

Cooling capacity for MRA-24HW-Q

Indoor air entering Temp		Outdoor air entering Temp(DB)				
		70°F DB	82°F DB	95 °F DB	109 °F DB	115 °F DB
70 °FDB 59 °F WB	Tcc(kW)	7.31	6.96	6.60	6.32	6.11
	Scc(kW)	5.41	5.36	5.28	5.31	5.19
75 °FDB 63 °F WB	Tcc(kW)	7.53	7.17	6.82	6.39	6.25
	Scc(kW)	5.64	5.59	5.52	5.37	5.31
80 °F DB 66 °F WB	Tcc(kW)	7.67	7.31	7.10	6.60	6.46
	Scc(kW)	5.67	5.63	5.54	5.41	5.36
84 °F DB 66 °F WB	Tcc(kW)	7.74	7.38	7.24	6.67	6.50
	Scc(kW)	6.50	6.28	6.23	6.07	6.11
90 °F DB 73 °F WB	Tcc(kW)	7.81	7.53	7.38	6.82	6.60
	Scc(kW)	6.64	6.55	6.50	6.34	6.34

Heating capacity for MRA-24HW-Q

Indoor conditions		OUTDOOR CONDITIONS				
		75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	35.6°F DB 33.8°F WB	23°F DB 21.2°F WB	19.4°F DB 17.6°F WB
59°F	Net Capacity(kW)	10.05	8.12	6.65	6.03	5.64
68°F	Net Capacity(kW)	9.74	7.73	6.26	5.87	5.41
80.6°F	Net Capacity(kW)	9.12	7.27	5.87	5.72	5.10

Cooling capacity for MRA-36HW-Q/ MRA-36HW-R

Indoor air entering Temp		Outdoor air entering Temp(DB)				
		70°F	82°F/	95°F	109°F	115°F
70 °F DB 59 °F WB	Tcc(kW)	10.82	10.29	9.77	9.35	9.03
	Scc(kW)	8.00	7.92	7.81	7.85	7.68
75 °F DB 63 °F WB	Tcc(kW)	11.13	10.61	10.08	9.45	9.24
	Scc(kW)	8.35	8.27	8.16	7.94	7.85
80 °F DB 66 °F WB	Tcc(kW)	11.34	10.82	10.50	9.77	9.56
	Scc(kW)	8.39	8.33	8.19	8.01	7.93
84 °F DB 66 °F WB	Tcc(kW)	11.45	10.92	10.71	9.87	9.61
	Scc(kW)	9.61	9.28	9.21	8.98	9.03
90 °F DB 73 °F WB	Tcc(kW)	11.55	11.13	10.92	10.08	9.77
	Scc(kW)	9.82	9.68	9.61	9.37	9.37

Heating capacity for MRA-36HW-Q/ MRA-36HW-R

Indoor conditions		OUTDOOR CONDITIONS				
		75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	35.6°F DB 33.8°F WB	23°F DB 21.2°F WB	19.4°F DB 17.6°F WB
59°F	Net Capacity(kW)	15.08	12.18	9.98	9.05	8.47
68°F	Net Capacity(kW)	14.62	11.60	9.40	8.82	8.12
80.6°F	Net Capacity(kW)	13.69	10.90	8.82	8.58	7.66

Cooling capacity for MRA-48HW-R

Indoor air entering Temp		Outdoor air entering Temp(DB)				
		70°F	82°F	95°F	109°F	115°F
70°F DB 59°F WB	Tcc(kW)	14.42	13.72	13.02	12.46	12.04
	Scc(kW)	10.67	10.56	10.42	10.47	10.23
75°F DB 63°F WB	Tcc(kW)	14.84	14.14	13.44	12.60	12.32
	Scc(kW)	11.13	11.03	10.89	10.58	10.47
80°F DB 66°F WB	Tcc(kW)	15.12	14.42	14.00	13.02	12.74
	Scc(kW)	11.19	11.10	10.92	10.68	10.57
84°F DB 66°F WB	Tcc(kW)	15.26	14.56	14.28	13.16	12.81
	Scc(kW)	12.82	12.38	12.28	11.98	12.04
90°F DB 73°F WB	Tcc(kW)	15.40	14.84	14.56	13.44	13.02
	Scc(kW)	13.09	12.91	12.81	12.50	12.50

Heating capacity for MRA-48HW-R

Indoor conditions		OUTDOOR CONDITIONS				
		75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	35.6°F DB 33.8°F WB	23°F DB 21.2°F WB	19.4°F DB 17.6°F WB
59°F	Net Capacity(kW)	20.11	16.24	13.30	12.07	11.29
68°F	Net Capacity(kW)	19.49	15.47	12.53	11.76	10.83
80.6°F	Net Capacity(kW)	18.25	14.54	11.76	11.45	10.21

Cooling capacity for MRA-60HW-R

ndoor air entering Temp		Outdoor air entering Temp(DB)				
		70 °F	82 °F	95 °F	109°F	115 °F
70 °F DB 59 °F WB	Tcc(kW)	16.48	15.68	14.88	14.24	13.76
	Scc(kW)	12.20	12.07	11.90	11.96	11.70
75 °F DB 63 °F WB	Tcc(kW)	16.96	16.16	15.36	14.40	14.08
	Scc(kW)	12.72	12.60	12.44	12.10	11.97
80 °F DB 66 °F WB	Tcc(kW)	17.28	16.48	16.00	14.88	14.56
	Scc(kW)	12.79	12.69	12.48	12.20	12.08
84 °F DB 66 °F WB	Tcc(kW)	17.44	16.64	16.32	15.04	14.64
	Scc(kW)	14.65	14.14	14.04	13.69	13.76
90 °F DB 73 °F WB	Tcc(kW)	17.60	16.96	16.64	15.36	14.88
	Scc(kW)	14.96	14.76	14.64	14.28	14.28

Heating capacity for MRA-60HW-R

Indoor conditions		OUTDOORCONDITIONS				
		75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	35.6°F DB 33.8°F WB	23°F DB 21.2°F WB	19.4°F DB 17.6°F WB
59°F	Net Capacity(kW)	21.33	17.23	14.11	12.80	11.98
68°F	Net Capacity(kW)	20.68	16.41	13.29	12.47	11.49
80.6°F	Net Capacity(kW)	19.36	15.43	12.47	12.14	10.83

Cooling capacity for MRC-36HW

Indoor air entering Temp		Outdoor air entering Temp(DB)				
		70°F/21°C	77°F/25°C	95°F/35°C	104°F/40°C	113°F/45°C
70 °F DB 59 °F WB	Tcc(kW)	9.45	9.04	8.22	7.89	7.64
	Scc(kW)	7.56	7.23	6.57	6.31	6.11
75 °F DB 63 °F WB	Tcc(kW)	10,35	9.90	9.00	8.64	8.37
	Scc(kW)	8.28	7.92	7.20	6.91	6.69
80 °F DB 66 °F WB	Tcc(kW)	11.25	10.76	9.78	9.39	9.10
	Scc(kW)	9.00	8.61	7.82	7.51	7.28
90 °F DB 73 °F WB	Tcc(kW)	12.94	12.37	11.25	10.80	10.46
	Scc(kW)	10.35	9.90	9.00	8.64	8.37

Heating capacity for MRA-36HW

Indoor conditions		OUTDOORCONDITIONS				
		75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	32°F DB 30.2°F WB	23°F DB 21.2°F WB	19.4°F DB 17.6°F WB
59°F	Net Capacity(kW)	11.48	7.66	6.51	5.74	5.36
68°F	Net Capacity(kW)	14.36	9.57	8.13	7.18	6.70
80.6°F	Net Capacity(kW)	18.66	12.44	10.57	9.33	8.71

Cooling capacity for MRC-36HW-R

Indoor air entering Temp		Outdoor air entering Temp(DB)				
		70°F/21°C	77°F/25°C	95°F/35°C	104°F/40°C	113°F/45°C
70 °F DB 59 °F WB	Tcc(kW)	9.52	9.11	8.28	7.95	7.70
	Scc(kW)	7.62	7.28	6.62	6.36	6.16
75 °F DB 63 °F WB	Tcc(kW)	10.43	9.97	9.07	8.70	8.43
	Scc(kW)	8.34	7.98	7.25	6.96	6.75
80 °F DB 66 °F WB	Tcc(kW)	11.33	10.84	9.86	9.46	9.17
	Scc(kW)	9.07	8.36	7.88	7.57	7.33
90 °F DB 73 °F WB	Tcc(kW)	13.03	12.47	11.33	10.88	10.54
	Scc(kW)	10.43	9.97	9.07	8.70	8.43

Heating capacity for MRC-36HW-R

Indoor conditions		OUTDOORCONDITIONS				
		75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	32°F DB 30.2°F WB	23°F DB 21.2°F WB	19.4°F DB 17.6°F WB
59°F	Net Capacity(kW)	11.54	7.69	6.54	5.77	5.38
68°F	Net Capacity(kW)	14.42	9.62	8.17	7.21	6.73
80.6°F	Net Capacity(kW)	18.75	12.50	10.63	9.38	8.75

Cooling capacity for MRC-48HW-R

Indoor air entering Temp		Outdoor air entering Temp(DB)				
		70°F/21°C	77°F/25°C	95°F/35°C	104°F/40°C	113°F/45°C
70 °F DB 59 °F WB	Tcc(kW)	11.54	11.04	10.03	9.63	9.33
	Scc(kW)	9.23	8.83	8.03	7.70	7.46
75 °F DB 63 °F WB	Tcc(kW)	12.64	12.09	10.99	10.55	10.22
	Scc(kW)	10.11	9.67	8.79	8.44	8.17
80 °F DB 66 °F WB	Tcc(kW)	13.73	13.14	11.94	11.47	11.11
	Scc(kW)	10.99	10.51	9.55	9.17	8.89
90 °F DB 73 °F WB	Tcc(kW)	15.79	15.11	13.73	13.19	12.77
	Scc(kW)	12.64	12.09	10.99	10.55	10.22

Capacity table

Heating capacity for MRC-48HW-R

Indoor conditions		OUTDOOR CONDITIONS				
		75.2 °F DB	44.6 °F DB	32 °F DB	23 °F DB	19.4 °F DB
		64.4 °F WB	42.8 °F WB	30.2 °F WB	21.2 °F WB	17.6 °F WB
59°F	Net Capacity(kW)	15.69	10.46	8.89	7.85	7.32
68°F	Net Capacity(kW)	19.62	13.08	11.12	9.81	9.16
80.6°F	Net Capacity(kW)	25.5	17.00	14.45	12.75	11.90

Cooling capacity for MRC-60HW-R

Indoor air entering Temp		Outdoor air entering Temp(DB)				
		70 °F/21 °C	77 °F/2 5°C	95 °F/35 °C	104°F/4 0°C	1 13 °F/45 °C
70 °F DB	Tcc(kW)	12.93	12.36	11.24	10.79	10.45
59 °F WB	Scc(kW)	10.34	9.89	8.99	8.63	8.36
75 °F DB	Tcc(kW)	14.16	13.54	12.31	11.82	11.45
63 °F WB	Scc(kW)	11.33	10.83	9.85	9.46	9.16
80 °F DB	Tcc(kW)	15.39	14.72	13.38	12.85	12.45
66 °F WB	Scc(kW)	12.31	11.78	10.71	10.28	9.96
90 °F DB	Tcc(kW)	17.70	16.93	15.39	14.77	14.31
73 °F WB	Scc(kW)	14.16	13.54	12.31	11.82	11.45

Heating capacity for MRC-60HW-R

Indoor conditions		OUTDOOR CONDITIONS				
		75.2 °F DB	44.6 °F DB	32 °F DB	23 °F DB	19.4 °F DB
		64.4 °F WB	42.8 °F WB	30.2 °F WB	21.2 °F WB	17.6 °F WB
59°F	Net Capacity(kW)	17.25	11.50	9.77	8.62	8.05
68°F	Net Capacity(kW)	21.56	14.37	12.22	10.78	10.06
80.6°F	Net Capacity(kW)	28.03	18.68	15.88	14.01	13.08

T3 Condition–R22

Cooling capacity for 3ton:

	Air Flow	CFM	1170				1270				1400				1500			
	Ent (DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TGC	31.9	36.7	38.8	39.8	35.1	40.4	42.7	43.9	38.3	44.2	46.7	47.9	41.6	47.9	50.6	52.0
		SHC	26.8	32.3	34.9	36.6	29.5	35.6	38.5	40.4	32.2	38.9	42.0	44.1	34.9	42.2	45.6	47.8
	67	TGC	30.1	34.6	36.7	37.4	33.2	38.2	40.4	41.2	36.3	41.7	44.2	45.0	39.3	45.2	47.9	48.8
		SHC	23.5	27.7	30.1	31.4	25.9	30.5	33.2	34.6	28.3	33.3	36.2	37.8	30.7	36.2	39.3	41.0
	73	TGC	28.9	33.3	39.8	41.0	31.9	36.6	43.9	45.2	34.8	40.0	47.9	49.4	37.8	43.4	52.0	53.5
		SHC	19.1	22.6	28.7	29.5	21.0	24.9	31.6	32.5	23.0	27.2	34.5	35.5	24.9	29.5	37.4	38.6
95	61	TGC	30.1	34.6	36.6	37.6	33.1	38.2	40.3	41.4	36.2	41.7	44.0	45.2	39.2	45.2	47.8	49.0
		SHC	25.3	30.5	32.9	34.6	27.8	33.6	36.3	38.1	30.4	36.7	39.6	41.6	33.0	39.8	43.0	45.1
	67	TGC	28.4	32.7	34.6	35.3	31.3	36.0	38.2	38.9	34.2	39.3	41.7	42.5	37.1	42.6	45.2	46.1
		SHC	22.2	26.1	28.4	29.6	24.4	28.8	31.3	32.7	26.7	31.5	34.2	35.7	28.9	34.1	37.1	38.7
	73	TGC	27.3	31.4	37.6	38.7	30.1	34.6	41.4	42.6	32.8	37.7	45.2	46.6	35.6	40.9	49.0	50.5
		SHC	18.0	21.3	27.1	27.9	19.8	23.5	29.8	30.7	21.7	25.7	32.6	33.5	23.5	27.8	35.3	36.4
105	61	TGC	28.5	32.9	34.7	35.7	31.4	36.2	38.2	39.2	34.2	39.5	41.7	42.8	37.1	42.7	45.2	46.4
		SHC	24.0	28.9	31.3	32.8	26.4	31.8	34.4	36.1	28.8	34.7	37.5	39.4	31.2	37.6	40.7	42.7
	67	TGC	27.0	31.0	32.9	33.5	29.7	34.1	36.2	36.9	32.4	37.2	39.5	40.2	35.1	40.3	42.7	43.6
		SHC	21.1	24.8	27.0	28.1	23.2	27.3	29.7	31.0	25.3	29.8	32.4	33.8	27.4	32.3	35.1	36.6
	73	TGC	25.9	29.8	35.7	36.7	28.5	32.8	39.2	40.4	31.1	35.7	42.8	44.1	33.7	38.7	46.4	47.8
		SHC	17.1	20.3	25.7	26.5	18.8	22.3	28.3	29.1	20.5	24.3	30.8	31.7	22.2	26.3	33.4	34.4
115	61	TGC	26.7	30.8	32.5	33.4	29.4	33.9	35.8	36.8	32.2	37.1	39.1	40.2	34.9	40.2	42.5	43.6
		SHC	22.4	27.1	29.3	30.7	24.7	29.8	32.3	33.9	27.0	32.6	35.2	37.0	29.3	35.4	38.2	40.1
	67	TGC	25.3	29.0	30.8	31.4	27.8	32.0	33.9	34.6	30.4	35.0	37.1	37.7	33.0	37.9	40.2	40.9
		SHC	19.7	23.2	25.2	26.4	21.7	25.6	27.8	29.0	23.7	28.0	30.4	31.7	25.7	30.3	32.9	34.4
	73	TGC	24.3	27.9	33.4	34.4	26.7	30.7	36.8	37.9	29.2	33.6	40.2	41.4	31.7	36.4	43.6	44.9
		SHC	16.0	19.0	24.1	24.8	17.6	20.9	26.5	27.3	19.3	22.8	28.9	29.8	20.9	24.7	31.4	32.3
125	61	TGC	21.8	25.1	26.6	27.3	24.0	27.7	29.3	30.0	26.3	30.2	32.0	32.8	28.5	32.8	34.7	35.6
		SHC	18.3	22.1	23.9	25.1	20.2	24.4	26.3	27.6	22.1	26.6	28.8	30.2	23.9	28.9	31.2	32.7
	67	TGC	20.6	23.7	25.1	25.6	22.7	26.1	27.7	28.2	24.8	28.5	30.2	30.8	26.9	30.9	32.8	33.4
		SHC	16.1	19.0	20.6	21.5	17.7	20.9	22.7	23.7	19.4	22.8	24.8	25.9	21.0	24.8	26.9	28.1
	73	TGC	19.8	22.8	27.3	28.1	21.8	25.1	30.0	31.0	23.8	27.4	32.8	33.8	25.8	29.7	35.6	36.7
		SHC	13.1	15.5	19.6	20.2	14.4	17.1	21.6	22.3	15.7	18.6	23.6	24.3	17.1	20.2	25.6	26.4

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Cooling capacity for 4ton:

	Air Flow	CFM	1500				1670				1750				1850			
	Ent (DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TGC	43.9	50.6	53.4	54.9	46.8	53.9	57.0	58.5	50.6	58.3	61.6	63.2	54.4	62.6	66.2	67.9
		SHC	36.9	44.5	48.1	50.5	39.3	47.5	51.3	53.8	42.5	51.3	55.4	58.2	45.7	55.1	59.6	62.5
	67	TGC	41.5	47.7	50.6	51.5	44.3	50.9	53.9	55.0	47.8	55.0	58.3	59.4	51.4	59.1	62.6	63.8
		SHC	32.4	38.2	41.5	43.3	34.5	40.7	44.2	46.2	37.3	44.0	47.8	49.9	40.1	47.3	51.4	53.6
	73	TGC	39.8	45.8	54.9	56.5	42.5	48.8	58.5	60.3	45.9	52.8	63.2	65.1	49.3	56.7	67.9	70.0
		SHC	26.3	31.1	39.5	40.7	28.0	33.2	42.1	43.4	30.3	35.9	45.5	46.9	32.6	38.6	48.9	50.4
95	61	TGC	41.4	47.7	50.4	51.8	44.2	50.9	53.8	55.2	47.7	55.0	58.1	59.7	51.3	59.1	62.4	64.1
		SHC	34.8	42.0	45.4	47.6	37.1	44.8	48.4	50.8	40.1	48.4	52.3	54.9	43.1	52.0	56.2	59.0
	67	TGC	39.2	45.0	47.7	48.6	41.8	48.0	50.9	51.8	45.1	51.9	55.0	56.0	48.5	55.7	59.1	60.2
		SHC	30.5	36.0	39.1	40.8	32.6	38.4	41.7	43.5	35.2	41.5	45.1	47.1	37.8	44.6	48.5	50.6
	73	TGC	37.6	43.2	51.8	53.3	40.1	46.1	55.2	56.9	43.3	49.8	59.7	61.4	46.6	53.5	64.1	66.0
		SHC	24.8	29.4	37.3	38.4	26.5	31.3	39.7	40.9	28.6	33.9	42.9	44.2	30.7	36.4	46.2	47.5
105	61	TGC	39.6	45.6	48.2	49.5	43.1	49.6	52.4	53.8	46.7	53.8	56.8	58.3	50.2	57.9	61.2	62.8
		SHC	33.3	40.1	43.4	45.5	36.2	43.7	47.2	49.5	39.2	47.3	51.1	53.7	42.2	50.9	55.1	57.8
	67	TGC	37.4	43.0	45.6	46.5	40.7	46.8	49.6	50.6	44.1	50.7	53.8	54.8	47.5	54.6	57.9	59.0
		SHC	29.2	34.4	37.4	39.0	31.8	37.5	40.7	42.5	34.4	40.6	44.1	46.0	37.1	43.7	47.5	49.5
	73	TGC	35.9	41.3	49.5	51.0	39.1	44.9	53.8	55.4	42.4	48.7	58.3	60.1	45.6	52.4	62.8	64.7
		SHC	23.7	28.1	35.6	36.7	25.8	30.6	38.8	39.9	28.0	33.1	42.0	43.3	30.1	35.7	45.2	46.6
115	61	TGC	36.1	41.6	44.0	45.1	39.3	45.3	47.8	49.1	42.6	49.0	51.8	53.2	45.8	52.8	55.8	57.3
		SHC	30.3	36.6	39.6	41.5	33.0	39.8	43.0	45.2	35.7	43.1	46.6	48.9	38.5	46.5	50.2	52.7
	67	TGC	34.2	39.3	41.6	42.4	37.1	42.7	45.3	46.1	40.2	46.3	49.0	50.0	43.3	49.8	52.8	53.8
		SHC	26.6	31.4	34.1	35.6	29.0	34.2	37.1	38.7	31.4	37.0	40.2	42.0	33.8	39.9	43.3	45.2
	73	TGC	32.8	37.7	45.1	46.5	35.7	41.0	49.1	50.6	38.6	44.4	53.2	54.8	41.6	47.8	57.3	59.0
		SHC	21.6	25.6	32.5	33.5	23.5	27.9	35.4	36.4	25.5	30.2	38.3	39.5	27.5	32.5	41.2	42.5
125	61	TGC	30.3	34.9	36.9	37.9	33.0	38.0	40.1	41.2	35.7	41.2	43.5	44.7	38.5	44.3	46.8	48.1
		SHC	25.5	30.7	33.2	34.9	27.7	33.4	36.1	37.9	30.0	36.2	39.1	41.1	32.3	39.0	42.2	44.2
	67	TGC	28.7	33.0	34.9	35.6	31.2	35.8	38.0	38.7	33.8	38.8	41.2	41.9	36.4	41.8	44.3	45.2
		SHC	22.4	26.4	28.6	29.9	24.3	28.7	31.2	32.5	26.4	31.1	33.8	35.2	28.4	33.5	36.3	37.9
	73	TGC	27.5	31.6	37.9	39.0	29.9	34.4	41.2	42.5	32.4	37.3	44.7	46.0	34.9	40.1	48.1	49.5
		SHC	18.2	21.5	27.3	28.1	19.8	23.4	29.7	30.6	21.4	25.3	32.2	33.1	23.1	27.3	34.6	35.7

Cooling capacity for 5ton:

	Air Flow	CFM	1391				1510				1612				1729			
	Ent (DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TGC	54.9	63.2	66.8	68.6	58.5	67.4	71.2	73.1	62.9	72.4	76.5	78.6	67.5	77.7	82.1	84.3
		SHC	46.1	55.6	60.1	63.1	49.2	59.3	64.1	67.3	52.8	63.7	68.9	72.3	56.7	68.4	73.9	77.6
	67	TGC	51.9	59.7	63.2	64.4	55.3	63.6	67.4	68.7	59.5	68.3	72.4	73.8	63.8	73.3	77.7	79.2
		SHC	40.5	47.7	51.9	54.1	43.2	50.9	55.3	57.7	46.4	54.7	59.4	62.0	49.8	58.7	63.7	66.5
	73	TGC	49.8	57.3	68.6	70.7	53.1	61.1	73.1	75.3	57.1	65.6	78.6	80.9	61.2	70.4	84.3	86.9
		SHC	32.9	38.9	49.4	50.9	35.1	41.5	52.7	54.2	37.7	44.6	56.6	58.3	40.4	47.9	60.7	62.5
95	61	TGC	51.8	59.7	63.0	64.7	55.2	63.6	67.2	69.0	59.3	68.3	72.2	74.1	63.6	73.3	77.5	79.6
		SHC	43.5	52.5	56.7	59.5	46.4	56.0	60.5	63.5	49.8	60.1	65.0	68.2	53.5	64.5	69.7	73.2
	67	TGC	49.0	56.3	59.7	60.8	52.2	60.0	63.6	64.8	56.1	64.5	68.3	69.6	60.2	69.2	73.3	74.7
		SHC	38.2	45.0	48.9	51.1	40.7	48.0	52.2	54.4	43.7	51.6	56.0	58.5	46.9	55.3	60.1	62.8
	73	TGC	47.0	54.0	64.7	66.7	50.1	57.6	69.0	71.1	53.8	61.9	74.1	76.4	57.8	66.4	79.6	81.9
		SHC	31.0	36.7	46.6	48.0	33.1	39.2	49.7	51.2	35.5	42.1	53.4	55.0	38.1	45.2	57.3	59.0
105	61	TGC	44.5	51.3	54.2	55.6	48.3	55.7	58.8	60.4	51.6	59.4	62.8	64.4	55.3	63.7	67.3	69.1
		SHC	37.4	45.1	48.7	51.2	40.6	49.0	52.9	55.5	43.3	52.3	56.5	59.3	46.5	56.1	60.6	63.6
	67	TGC	42.1	48.4	51.3	52.2	45.7	52.5	55.7	56.7	48.8	56.0	59.4	60.5	52.3	60.1	63.7	64.9
		SHC	32.8	38.7	42.0	43.9	35.6	42.0	45.6	47.6	38.0	44.8	48.7	50.8	40.8	48.1	52.3	54.5
	73	TGC	40.4	46.4	55.6	57.3	43.8	50.4	60.4	62.2	46.8	53.8	64.4	66.4	50.2	57.7	69.1	71.2
		SHC	26.7	31.6	40.0	41.2	28.9	34.3	43.5	44.8	30.9	36.6	46.4	47.8	33.1	39.3	49.8	51.3
115	61	TGC	41.1	47.4	50.0	51.4	44.6	51.4	54.3	55.8	47.6	54.9	58.0	59.5	51.1	58.9	62.2	63.9
		SHC	34.5	41.7	45.0	47.3	37.5	45.2	48.9	51.3	40.0	48.3	52.2	54.8	42.9	51.8	56.0	58.8
	67	TGC	38.9	44.7	47.4	48.3	42.2	48.5	51.4	52.4	45.0	51.8	54.9	55.9	48.3	55.5	58.9	60.0
		SHC	30.3	35.7	38.8	40.5	32.9	38.8	42.2	44.0	35.1	41.4	45.0	47.0	37.7	44.4	48.3	50.4
	73	TGC	37.3	42.9	51.4	52.9	40.5	46.6	55.8	57.4	43.2	49.7	59.5	61.3	46.4	53.3	63.9	65.8
		SHC	24.6	29.2	37.0	38.1	26.7	31.7	40.2	41.4	28.5	33.8	42.9	44.2	30.6	36.3	46.0	47.4
125	61	TGC	34.1	39.3	41.5	42.6	37.0	42.6	45.0	46.2	39.5	45.5	48.1	49.3	42.4	48.8	51.6	52.9
		SHC	28.6	34.5	37.3	39.2	31.1	37.5	40.5	42.5	33.2	40.0	43.3	45.4	35.6	42.9	46.4	48.7
	67	TGC	32.2	37.0	39.3	40.0	35.0	40.2	42.6	43.4	37.3	42.9	45.5	46.3	40.1	46.0	48.8	49.7
		SHC	25.1	29.6	32.2	33.6	27.3	32.2	34.9	36.5	29.1	34.3	37.3	38.9	31.2	36.8	40.0	41.8
	73	TGC	30.9	35.6	42.6	43.9	33.6	38.6	46.2	47.6	35.8	41.2	49.3	50.8	38.5	44.2	52.9	54.5
		SHC	20.4	24.2	30.7	31.6	22.2	26.2	33.3	34.3	23.7	28.0	35.5	36.6	25.4	30.1	38.1	39.3

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Cooling capacity for 6.2ton:

Ambient Temperature (°F)		Entering Wet Bulb(°F)	Air Flow	CFM	2100				2480			
			Ent (DB)	(°F)	75	80	85	90	75	80	85	90
	85		61	TGC	67.2	69.3	74.2	77.4	69.1	72.3	76.2	79.1
				SHC	58.4	65.8	70.5	73.5	62.4	68.0	71.6	74.4
			67	TGC	75.7	76.0	76.6	77.7	76.5	77.0	77.8	79.3
				SHC	44.4	55.5	66.2	76.6	46.4	57.8	69.3	78.3
			73	TGC	79.1	80.0	80.8	81.7	79.4	80.3	81.4	82.2
				SHC	29.2	40.6	49.0	58.2	29.7	42.3	50.1	59.7
	95		61	TGC	62.2	65.3	70.6	75.1	64.1	68.3	73.6	77.5
				SHC	56.0	61.5	66.5	70.7	59.8	64.3	69.3	73.0
			67	TGC	72.2	72.5	73.4	75.2	72.9	73.4	76.2	77.8
				SHC	43.1	54.6	66.1	74.2	45.2	57.8	70.1	75.8
			73	TGC	78.1	78.6	79.4	80.1	78.5	79.1	79.9	80.8
				SHC	28.2	39.6	50.8	59.8	28.7	41.2	51.0	61.6
	105		61	TGC	57.0	61.0	66.4	71.8	58.8	63.9	69.7	74.6
				SHC	53.5	56.7	61.8	66.8	57.4	59.4	64.8	69.4
			67	TGC	66.8	67.4	68.5	72.1	68.4	69.0	70.4	74.6
				SHC	40.7	52.2	63.8	69.7	43.0	55.7	68.7	73.5
			73	TGC	75.9	76.2	76.4	77.0	76.5	76.9	77.3	78.0
				SHC	27.0	38.3	49.6	59.9	27.4	40.1	51.5	62.8
	115		61	TGC	51.7	56.6	62.1	67.7	53.6	59.3	64.2	70.9
				SHC	51.0	54.8	60.2	65.6	51.9	57.5	63.2	68.7
			67	TGC	51.0	56.8	62.4	67.9	62.2	63.0	66.2	71.2
				SHC	38.2	49.6	61.4	66.8	40.5	53.2	63.4	69.7
			73	TGC	72.1	72.3	72.7	72.9	73.1	73.5	73.8	74.2
				SHC	25.6	37.0	48.3	59.4	26.1	38.7	51.0	63.0
	125		61	TGC	45.3	47.2	49.0	50.6	46.3	48.3	50.1	51.7
				SHC	43.8	35.6	27.9	21.4	45.2	37.8	28.6	22.5
			67	TGC	50.0	50.9	51.7	52.2	51.1	52.1	52.8	53.4
				SHC	44.3	36.7	28.3	21.8	32.8	41.1	49.5	50.4
			73	TGC	53.8	54.5	55.3	56.7	55.0	55.8	56.5	57.2
				SHC	45.8	37.6	29.2	22.3	46.3	38.2	31.6	24.5

Cooling capacity for 7.5ton:

Ambient Temperature (°F)		Entering Wet Bulb(°F)	Air Flow	CFM	2700				3000			
			Ent (DB)	(°F)	75	80	85	90	75	80	85	90
	85		61	TGC	82.5	84.2	85.8	87.5	87.3	89.0	90.8	92.6
				SHC	72.7	80.4	85.3	87.5	77.4	84.3	88.2	91.1
			67	TGC	94.8	96.7	98.6	100.6	95.9	97.8	99.8	101.8
				SHC	55.6	68.8	81.8	94.3	58	72.6	85.4	96.3
			73	TGC	98.6	100.6	102.6	104.6	99.2	101.2	103.2	105.2
				SHC	36.8	51.0	62.0	72.4	37.3	50.7	62.3	75.1
	95		61	TGC	78.6	80.2	81.8	83.4	81	82.6	84.3	86.0
				SHC	69.6	75.6	78.0	81.4	72.3	78.6	81.2	85.3
			67	TGC	85.6	87.3	89.1	90.8	87.1	94.0	96.6	98.0
				SHC	53.9	67.7	81.6	86.2	56.3	71.6	86.5	91.3
			73	TGC	97.8	99.8	101.8	103.8	98.3	100.3	102.3	104.3
				SHC	35.7	50.2	62.3	74.5	36.2	51.2	64.1	77.3
	105		61	TGC	72.1	73.5	75.0	76.5	74.4	75.9	77.4	79.0
				SHC	66.4	68.3	71.3	73.2	71.2	72.4	76.3	78.4
			67	TGC	84.4	86.1	87.8	89.6	86.3	88.0	89.8	91.6
				SHC	51	65.0	79.2	86.3	53.7	66.2	85.0	90.3
			73	TGC	95.3	97.2	99.2	101.1	95.2	97.1	99.0	101.0
				SHC	34.2	48.9	64.2	76.8	34.1	50.4	65.6	78.8
	115		61	TGC	65.3	66.6	67.9	69.3	67.2	68.5	69.9	71.3
				SHC	63.2	64.6	66.4	68.6	61.2	64.3	67.6	69.1
			67	TGC	76.7	78.2	79.8	81.4	78.5	80.1	81.7	83.3
				SHC	47.8	62.1	75.4	80.2	50.5	66.0	78.3	82.1
			73	TGC	90.8	92.6	94.5	96.4	86	87.7	89.5	91.3
				SHC	32.4	46.3	61.2	76.4	33	48.4	63.5	78.1
	125		61	TGC	59.9	61.1	62.3	63.6	61.7	62.9	64.1	65.4
				SHC	58.0	59.3	60.9	62.9	56.1	59.0	62.0	63.4
			67	TGC	70.4	71.8	73.2	74.7	72.0	73.5	74.9	76.4
				SHC	43.9	57.0	69.2	73.6	46.3	60.6	71.8	75.3
			73	TGC	83.3	85.0	86.7	88.4	78.9	80.5	82.1	83.7
				SHC	29.7	42.5	56.1	70.1	30.3	44.4	58.3	71.7

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 7.5ton:

Outdoor Temp(℃)70% RH	Net Capacities(kW)-3000 CFM							
	Peak NetHeating(kW) at Indicated Dry Bulb(℃)				Peak Total Power(KW) at Indicated Dry Bulb(℃)			
	15	21	24	27	15	21	24	27
-15	14.9	14.0	13.7	13.4	6.9	7.6	8.0	8.5
-12	16.0	15.3	15.0	14.9	7.1	7.7	8.1	8.6
-9	17.0	16.5	16.4	16.4	7.1	7.8	8.2	8.8
-6	17.8	17.3	17.1	16.9	7.2	7.9	8.3	8.9
-3	18.8	18.5	18.4	18.1	7.3	8.0	8.5	9.1
0	20.3	20.0	19.7	19.4	7.4	8.1	8.6	9.2
3	23.3	23.1	22.7	22.4	7.5	8.3	8.8	9.3
6	26.9	26.5	26.2	26.0	7.8	8.4	9.1	9.6
9	30.5	30.2	29.9	29.6	8.1	9.0	9.5	10.1
12	32.4	33.5	33.4	33.1	8.4	9.4	9.9	10.5
15	35.0	34.4	34.2	33.8	8.6	9.6	10.1	10.7
18	37.1	36.4	36.0	35.7	8.9	9.8	10.4	11.0
21	39.8	38.9	38.4	37.9	9.0	10.0	10.5	11.0
24	42.0	40.9	40.2	39.8	9.2	10.1	10.9	11.3

Cooling capacity for 8.5ton:

Ambient Temperature (°F)		Entering Wet Bulb(°F)	Air Flow	CFM	2700				3000				3400			
			Ent (DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85		61	TGC	91.6	95.5	99.3	102.4	96.5	100.7	104.5	107.8	98.6	102.8	106.7	110.2
				SHC	71.4	82.1	90.1	94.9	76.8	88.1	96.6	101.7	80.8	92.8	101.7	107.1
			67	TGC	101.4	103.2	104.7	105.6	106.7	108.6	110.2	111.4	109	110.9	112.5	113.7
				SHC	54.1	67.9	81.7	90.6	58.1	72.8	87.7	97.3	61.2	76.6	92.3	102.6
			73	TGC	103.2	104.8	106.4	107.7	108.6	109.5	111.2	113.5	112.4	114.1	115.8	117.1
				SHC	23.9	44.5	61.6	74.9	25.8	48.3	67.9	86.1	27.2	56.3	74.6	97.8
	95		61	TGC	88.5	92.3	95.8	99.0	93.1	97.1	100.8	104.2	95.1	99.2	102.9	106.3
				SHC	72.6	83.2	91.7	96.3	78.2	89.8	98.6	103.7	82.4	94.6	98.1	102.1
			67	TGC	97.8	99.6	101.0	102.3	102.7	104.8	106.3	107.4	105.1	107.0	108.5	109.7
				SHC	55.2	68.7	83.4	92.4	59.2	74.3	89.4	99.8	62.4	78.1	94.1	104.5
			73	TGC	105.1	106.3	107.5	109.1	110.7	111.8	112.9	114.1	113.2	114.6	116.3	118.7
				SHC	26.4	55.2	67.8	88.9	26.1	48.9	69.8	82.3	30.8	67.2	94.3	106.7
	105		61	TGC	83.7	87.5	90.8	93.8	88.1	91.9	95.4	98.5	90.1	93.8	97.4	100.6
				SHC	69.7	80.0	87.7	92.3	74.7	85.8	94.1	98.5	78.7	90.4	93.5	96.5
			67	TGC	92.6	94.2	95.8	97.1	97.4	99.1	100.5	101.7	99.5	101.2	102.7	103.8
				SHC	52.8	66.1	79.5	88.4	56.6	70.8	86.1	98.3	59.6	74.7	89.9	99.8
			73	TGC	94.5	96.1	97.8	99.4	104.1	105.6	107.2	108.6	106.9	108.3	109.7	111.2
				SHC	23.3	44.7	59.8	72.6	82.3	87.1	90.6	99.8	31.2	67.4	98.6	106.8
	115		61	TGC	78.3	81.6	84.7	87.6	82.3	86.1	89.6	92.3	84.1	87.7	92.1	94.0
				SHC	67.2	77.1	83.5	86.6	72	82.7	89.1	92.0	75.8	87.1	91.0	92.7
			67	TGC	86.5	88.1	89.3	90.6	91	92.6	94.0	95.4	92.9	94.6	96.0	97.1
				SHC	50.9	63.7	76.7	85.2	54.5	68.7	82.3	94.6	57.4	71.9	86.6	96.2
			73	TGC	95.1	96.4	97.8	99.8	97.8	99.3	101.4	103.6	99.9	101.3	103.4	105.2
				SHC	22.5	41.8	57.7	70.5	28.3	53.2	89.1	101.6	32.1	68.4	98.9	103.6
	125		61	TGC	71.2	74.2	77.0	79.6	74.8	78.3	81.5	83.9	76.5	79.7	83.7	85.5
				SHC	61.1	70.1	76.8	78.5	65.5	75.2	81.0	83.6	68.9	79.2	82.7	84.3
			67	TGC	78.6	80.1	81.2	82.4	82.7	84.2	85.5	86.7	84.5	86.0	87.3	88.3
				SHC	46.3	57.9	69.7	77.5	49.5	62.5	74.8	86.0	52.2	65.4	78.7	87.5
			73	TGC	86.5	87.6	88.9	90.7	88.9	90.3	92.2	94.2	90.8	92.1	94.0	95.6
				SHC	20.5	38.0	52.5	64.1	25.7	48.4	81.0	92.4	29.2	62.2	89.9	94.2

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Cooling capacity for 10ton:

Ambient Temperature (°F)		Entering Wet Bulb(°F)		Air Flow	CFM	3600				4000			
				Ent (DB)	(°F)	75	80	85	90	75	80	85	90
85		61		TGC		110.9	113.1	115.4	117.7	113.8	116.1	118.4	120.8
				SHC		96.8	98.7	100.7	102.7	103.2	105.3	107.4	109.5
		67		TGC		123.4	125.9	128.4	131.0	124.6	127.1	129.6	132.2
				SHC		73.2	92.0	108.3	124.8	75.6	94.3	112.8	128.5
		73		TGC		127.9	130.5	133.1	135.7	128.3	130.9	133.5	136.2
				SHC		47.7	64.9	79.6	95.3	48.3	65.8	81.2	96.7
95		61		TGC		102.8	104.9	107.0	109.1	105.9	108.0	110.2	112.4
				SHC		92.7	94.6	96.4	98.4	99.2	101.2	103.2	105.3
		67		TGC		118.7	121.1	123.5	126.0	122.5	127.0	128.5	130.1
				SHC		70.8	89.8	108.6	123.4	74.3	94.8	114.0	124.3
		73		TGC		126.8	129.3	131.9	134.6	127.1	129.6	132.2	134.9
				SHC		46.3	65.4	81.5	97.8	47.2	66.7	84.3	101.9
105		61		TGC		94.5	96.4	98.3	100.3	97.8	99.8	101.8	103.8
				SHC		88.6	90.4	92.2	94.0	95.2	97.1	99.0	101.0
		67		TGC		110.3	112.5	114.8	117.1	112.9	115.2	117.5	119.8
				SHC		67.6	86.4	105.9	115.6	71.3	92.1	113.7	117.9
		73		TGC		123.8	126.3	128.8	131.4	124.6	127.1	129.6	132.2
				SHC		44.3	63.2	81.0	98.3	45.2	65.6	85.3	103.7
115		61		TGC		86.3	88.0	89.8	91.6	89.2	91.0	92.8	94.7
				SHC		84.6	86.3	88.0	89.8	86.2	87.9	89.7	91.5
		67		TGC		101.3	103.3	105.4	107.5	103.2	107.0	107.4	109.5
				SHC		63.5	83.2	102.1	104.1	67.3	88.2	105.3	107.4
		73		TGC		119.2	121.6	124.0	126.5	120.1	122.5	125.0	127.5
				SHC		42.2	61.3	80.1	98.7	42.9	64.1	84.3	104.1
125		61		TGC		78.5	80.0	81.6	83.3	81.1	82.7	84.4	86.1
				SHC		76.9	78.4	80.0	81.6	78.4	79.9	81.5	83.2
		67		TGC		92.1	93.9	95.8	97.7	93.8	97.9	98.2	99.6
				SHC		57.7	75.6	92.8	94.7	61.2	80.2	95.7	97.6
		73		TGC		108.4	110.5	112.7	115.0	109.2	111.4	113.6	115.9
				SHC		38.4	55.7	72.8	89.7	39.0	58.3	76.6	94.6

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 10ton:

Net Capacities(kW)-4000 CFM								
Outdoor Temp(℃) 70% RH	Peak Net Heating(kW) at Indicated Dry Bulb(℃)				Peak Total Power(KW) at Indicated Dry Bulb(℃)			
	15	21	24	27	15	21	24	27
-15	19.8	18.6	18.2	17.9	9.2	10.1	10.7	11.3
-12	21.3	20.4	20	19.8	9.4	10.3	10.8	11.5
-9	22.6	22	21.8	21.8	9.5	10.4	10.9	11.7
-6	23.7	23	22.8	22.5	9.6	10.5	11.1	11.9
-3	25.1	24.7	24.5	24.1	9.7	10.6	11.3	12.1
0	27	26.6	26.2	25.9	9.8	10.8	11.5	12.2
3	31.1	30.8	30.3	29.9	10	11	11.7	12.4
6	35.8	35.3	34.9	34.7	10.4	11.2	12.1	12.8
9	40.7	40.2	39.8	39.4	10.8	12	12.7	13.5
12	43.2	44.7	44.5	44.1	11.2	12.5	13.2	14
15	46.6	45.9	45.6	45.1	11.5	12.8	13.5	14.3
18	49.4	48.5	48	47.6	11.8	13.1	13.9	14.6
21	53	51.9	51.2	50.5	12	13.3	14	14.7
24	56	54.5	53.6	53	12.3	13.5	14.5	15

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

Cooling capacity for 12.5ton:

Ambient Temperature (°F)		Entering Wet Bulb(°F)		Air Flow	CFM	4500				5000			
				Ent (DB)	(°F)	75	80	85	90	75	80	85	90
85		61		TGC		133.0	134.6	140.6	148.5	136.6	139.5	145.5	153.4
				SHC		106.9	126.7	135.0	142.6	112.8	134.6	141.1	148.8
		67		TGC		149.0	150.8	152.5	154.6	153.4	154.5	155.4	156.4
				SHC		85.1	103.9	121.8	140.6	88.9	107.9	127.7	146.5
		73		TGC		157.4	160.4	162.4	164.4	159.2	161.4	164.4	166.3
				SHC		58.7	78.7	95.1	110.9	59.8	80.5	97.2	112.7
95		61		TGC		124.7	127.7	133.7	142.6	126.3	131.7	139.6	147.5
				SHC		101.9	121.8	124.7	131.6	107.9	126.4	134.0	141.6
		67		TGC		139.6	141.6	143.6	146.5	145.5	150.0	151.5	152.5
				SHC		81.2	100.0	118.8	137.6	84.6	104.9	124.8	145.5
		73		TGC		153.5	155.4	157.3	159.4	154.6	156.3	158.7	161.4
				SHC		56.1	75.7	93.3	109.9	57.3	78.3	95.8	113.9
105		61		TGC		116	119.0	125.0	135.0	120	123.0	133.0	139.0
				SHC		97.2	104.0	113.0	125.0	104	111.0	122.0	129.0
		67		TGC		133	135.0	138.0	139.0	134	137.0	141.0	143.0
				SHC		76.9	96.0	114.9	134.7	88.6	101.0	121.8	143.0
		73		TGC		151	152.0	153.0	154.0	153	154.0	155.0	157.0
				SHC		53.3	72.5	90.8	108.0	54.5	75.1	93.9	112.9
115		61		TGC		106	110.0	120.0	130.0	109	115.0	125.0	135.0
				SHC		93.1	106.7	116.4	126.1	98.9	111.6	121.3	131.0
		67		TGC		125	127.0	128.0	130.0	126	129.0	131.0	133.0
				SHC		80	92.2	111.0	127.0	84	97.5	118.0	121.0
		73		TGC		141	143.0	145.0	146.0	145	147.0	148.0	149.0
				SHC		50.5	69.6	88.5	107.0	51.6	73.0	92.0	111.0
125		61		TGC		101.9	104.4	108.0	109.4	104.8	107.1	109.0	111.6
				SHC		93.5	83.9	69.7	66.8	96.5	89.9	74.3	68.6
		67		TGC		103.4	105.9	109.5	110.8	121.2	123.8	126.2	129.1
				SHC		96.1	85.2	75.1	67.6	99.9	91.5	76.4	69.5
		73		TGC		106.7	109.3	111.9	114.4	141.1	143.7	146.5	149.6
				SHC		103.0	89.9	80.1	69.7	103.8	93.1	77.8	70.7

Cooling capacity for 15ton:

Ambient Temperature (°F)		Entering Wet Bulb(°F)		Air Flow	CFM	5500				6000			
				Ent (DB)	(°F)	75	80	85	90	75	80	85	90
85		61		TGC		163.6	165.6	172.9	182.7	168.0	171.6	179.0	188.7
				SHC		131.5	155.8	166.0	175.3	138.7	165.6	173.6	183.0
		67		TGC		183.3	185.5	187.6	190.2	188.7	190.0	191.1	192.4
				SHC		104.7	127.8	149.8	172.9	109.3	132.7	157.1	180.2
		73		TGC		193.6	197.3	199.8	202.2	195.8	198.5	202.2	204.5
				SHC		72.2	96.8	117.0	136.4	73.6	99.0	119.6	138.6
95		61		TGC		153.4	157.1	164.5	175.4	155.3	162.0	171.7	181.4
				SHC		125.3	149.8	159.5	170.1	132.7	157.1	166.6	176.0
		67		TGC		171.7	174.2	176.6	180.2	179.0	180.0	182.7	183.9
				SHC		99.9	123.0	146.1	169.2	104.1	129.0	153.5	179.0
		73		TGC		188.8	191.1	193.5	196.1	190.2	192.2	195.2	198.5
				SHC		69.0	93.1	114.8	135.2	70.5	96.3	117.8	140.1
105		61		TGC		142.7	146.4	153.8	166.1	147.6	151.3	163.6	171.0
				SHC		119.6	140.5	147.6	159.4	127.9	145.2	157.0	164.1
		67		TGC		163.6	166.1	169.7	171.0	164.8	168.5	173.4	175.9
				SHC		94.6	118.1	141.3	165.7	109.0	124.2	149.8	170.6
		73		TGC		185.7	187.0	188.2	189.4	188.2	189.4	190.7	193.1
				SHC		65.6	89.2	111.7	132.8	67.0	92.3	115.5	138.9
115		61		TGC		130.4	135.3	147.6	159.9	134.1	141.5	153.8	166.1
				SHC		114.5	131.2	143.2	155.1	121.6	135.8	147.6	159.4
		67		TGC		153.8	156.2	157.4	160.9	155.0	158.7	161.1	163.6
				SHC		98.4	113.4	136.5	159.9	103.3	119.9	145.1	163.6
		73		TGC		173.4	175.9	178.4	179.6	178.4	180.8	182.0	183.3
				SHC		62.1	85.6	108.9	131.6	63.5	89.8	113.2	136.5
125		61		TGC		125.4	130.1	141.9	152.1	128.9	136.0	147.8	159.7
				SHC		110.1	126.2	137.7	147.5	117.0	131.9	143.4	154.9
		67		TGC		147.8	150.2	151.4	153.8	149.0	152.6	154.9	157.3
				SHC		94.6	109.0	131.3	153.8	99.3	115.3	139.6	152.6
		73		TGC		166.8	169.1	171.5	172.7	171.5	173.9	175.0	176.2
				SHC		59.7	82.3	104.7	126.5	61.0	86.3	108.8	131.3

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 15ton:

Net Capacities(kW)-6000 CFM								
Outdoor Temp(℃) 70% RH	Peak Net Heating(kW) at Indicated Dry Bulb(℃)				Peak Total Power(KW) at Indicated Dry Bulb(℃)			
	15	21	24	27	15	21	24	27
-15	29.7	27.9	27.3	26.9	13.8	15.2	16.1	17.0
-12	32.0	30.6	30.0	29.7	14.1	15.5	16.2	17.3
-9	33.9	33.0	32.7	32.7	14.3	15.6	16.4	17.6
-6	35.6	34.5	34.2	33.8	14.4	15.8	16.7	17.9
-3	37.7	37.1	36.8	36.2	14.6	15.9	17.0	18.2
0	40.5	39.9	39.3	38.9	14.7	16.2	17.3	18.3
3	46.7	46.2	45.5	44.9	15.0	16.5	17.6	18.6
6	53.7	53.0	52.4	52.1	15.6	16.8	18.2	19.2
9	61.1	60.3	59.7	59.1	16.2	18.0	19.1	20.3
12	64.8	67.1	66.8	66.2	16.8	18.8	19.8	21.0
15	69.9	68.9	68.4	67.7	17.3	19.2	20.3	21.5
18	74.1	72.8	72.0	71.4	17.7	19.7	20.9	21.9
21	79.5	77.9	76.8	75.8	18.0	20.0	21.0	22.1
24	84.0	81.8	80.4	79.5	18.5	20.3	21.8	22.5

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

Cooling capacity for 17.5ton:

		Air Flow		CFM	6500				7000			
		Ent (DB)		(°F)	75	80	85	90	75	80	85	90
Ambient Temperature (°F)	85	Entering Wet Bulb(°F)	61	TGC	191.4	193.7	202.3	213.7	196.6	200.7	209.4	220.7
				SHC	153.8	182.3	196.3	207.3	162.3	193.7	203.1	214.1
			67	TGC	214.4	217.0	219.4	222.5	220.7	222.3	223.6	225.1
				SHC	122.5	149.5	175.3	202.3	127.9	155.3	183.8	210.8
			73	TGC	226.5	230.8	233.7	236.6	229.1	232.3	236.6	239.3
				SHC	84.5	113.2	136.8	159.6	86.1	115.8	139.9	162.2
	95		61	TGC	179.4	183.8	192.4	205.2	181.7	189.5	200.9	212.3
				SHC	146.6	175.3	186.6	199.0	155.3	183.8	194.9	205.9
			67	TGC	200.9	203.8	206.6	208.0	207.0	210.0	213.7	215.1
				SHC	116.8	143.9	171.0	198.0	121.7	151.0	179.6	209.4
			73	TGC	220.9	223.6	226.4	229.4	222.5	224.9	228.4	232.3
				SHC	80.7	108.9	134.3	158.1	82.5	112.7	137.9	163.9
	105		61	TGC	166.9	171.2	179.9	194.3	172.7	177.0	191.4	200.0
				SHC	139.9	166.1	174.5	188.4	149.7	171.7	185.6	194.0
			67	TGC	191.4	194.3	198.6	200.0	192.8	197.1	202.9	205.8
				SHC	110.7	138.1	165.3	193.8	127.5	145.3	175.3	199.6
			73	TGC	217.3	218.7	220.2	221.6	220.2	221.6	223.0	225.9
				SHC	76.7	104.3	130.7	155.4	78.4	108.0	135.1	162.5
	115		61	TGC	152.5	158.3	172.7	187.1	156.9	165.5	179.9	194.3
				SHC	134.0	145.3	161.7	170.1	142.3	155.5	168.9	184.3
			67	TGC	179.9	182.8	184.2	187.1	181.3	185.6	188.5	191.4
				SHC	115.1	132.7	159.7	167.1	120.9	140.3	169.8	181.4
			73	TGC	202.9	205.8	208.7	210.1	208.7	211.5	213.0	214.4
				SHC	72.7	100.2	127.4	154.0	74.3	105.0	132.4	159.7
	125		61	TGC	145.3	150.8	164.5	178.2	149.4	157.6	171.3	185.0
				SHC	127.6	146.2	159.5	172.8	135.5	152.9	166.2	179.5
			67	TGC	171.3	174.1	175.4	180.2	172.7	176.8	179.5	182.3
				SHC	109.6	126.4	152.1	178.2	115.1	133.6	161.7	171.3
			73	TGC	193.2	196.0	198.7	200.1	198.7	201.4	202.8	204.2
				SHC	69.2	95.4	121.3	146.6	70.7	100.0	126.1	152.1

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Cooling capacity for 20ton:

		Air Flow		CFM	7500				8000			
		Ent (DB)		(°F)	75	80	85	90	75	80	85	90
Ambient Temperature (°F)	85	Entering Wet Bulb(°F)	61	TGC	216.1	218.7	228.5	241.3	222.0	226.7	236.4	249.3
				SHC	173.7	205.9	221.6	234.1	183.3	218.7	229.3	241.8
			67	TGC	242.1	245.1	247.8	251.2	249.3	251.1	252.5	254.2
				SHC	138.3	168.8	197.9	228.5	144.5	175.3	207.5	238.1
			73	TGC	255.8	260.7	263.9	267.2	258.7	262.3	267.2	270.2
				SHC	95.4	127.9	154.5	180.2	97.2	130.8	158.0	183.1
	95		61	TGC	202.6	207.5	217.3	231.7	205.2	214.0	226.9	239.7
				SHC	165.6	197.9	210.7	224.8	175.3	205.5	217.8	230.1
			67	TGC	226.9	230.1	233.4	238.1	236.4	240.0	241.3	242.9
				SHC	132.0	162.5	193.1	223.6	137.5	170.5	202.8	236.4
			73	TGC	249.4	252.5	255.6	259.0	251.2	254.0	257.9	262.3
				SHC	91.2	123.0	151.6	178.6	93.1	127.2	155.7	185.1
	105		61	TGC	188.5	193.4	203.1	219.4	195.0	199.9	216.1	225.9
				SHC	158.0	187.6	197.0	212.8	169.0	193.9	209.6	219.1
			67	TGC	216.1	219.4	224.3	225.9	217.8	222.6	229.1	232.4
				SHC	125.0	156.0	186.7	218.9	144.0	164.1	197.9	209.1
			73	TGC	245.4	247.0	248.6	250.3	248.6	250.3	251.9	255.1
				SHC	86.6	117.8	147.6	175.5	88.6	122.0	152.6	183.5
	115		61	TGC	172.3	178.8	195.0	211.3	177.1	186.9	203.1	219.4
				SHC	151.3	173.4	189.2	204.9	160.7	181.3	197.0	212.8
			67	TGC	203.1	206.4	208.0	211.3	204.8	209.6	212.9	216.1
				SHC	130.0	149.8	180.4	211.3	136.5	158.4	191.8	216.1
			73	TGC	229.1	232.4	235.6	237.3	235.6	238.9	240.5	242.1
				SHC	82.1	113.1	143.8	173.9	83.9	118.6	149.5	180.4
	125		61	TGC	162.5	168.6	184.0	199.3	167.1	176.3	191.6	207.0
				SHC	142.7	163.6	178.4	193.3	151.6	171.0	185.9	200.7
			67	TGC	191.6	194.7	196.2	210.3	193.2	197.8	200.8	203.9
				SHC	122.6	141.3	170.2	189.3	128.8	149.5	180.9	199.8
			73	TGC	216.2	219.2	222.3	223.8	222.3	225.4	226.9	228.4
				SHC	77.4	106.7	135.7	164.0	79.1	111.9	141.0	170.2

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 20ton:

Net Capacities(kW)-8000 CFM								
Outdoor Temp(℃)70% RH	Peak Net Heating(kW) at Indicated Dry Bulb(℃)				Peak Total Power(KW) at Indicated Dry Bulb(℃)			
	15	21	24	27	15	21	24	27
-15	39.6	37.2	36.4	35.8	18.4	20.2	21.4	22.6
-12	42.6	40.8	40.0	39.6	18.8	20.6	21.6	23.0
-9	45.2	44.0	43.6	43.6	19.0	20.8	21.8	23.4
-6	47.4	46.0	45.6	45.0	19.2	21.0	22.2	23.8
-3	50.2	49.4	49.0	48.2	19.4	21.2	22.6	24.2
0	54.0	53.2	52.4	51.8	19.6	21.6	23.0	24.4
3	62.2	61.6	60.6	59.8	20.0	22.0	23.4	24.8
6	71.6	70.6	69.8	69.4	20.8	22.4	24.2	25.6
9	81.4	80.4	79.6	78.8	21.6	24.0	25.4	27.0
12	86.4	89.4	89.0	88.2	22.4	25.0	26.4	28.0
15	93.2	91.8	91.2	90.2	23.0	25.6	27.0	28.6
18	98.8	97.0	96.0	95.2	23.6	26.2	27.8	29.2
21	106.0	103.8	102.4	101.0	24.0	26.6	28.0	29.4
24	112.0	109.0	107.2	106.0	24.6	27.0	29.0	30.0

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

Cooling capacity for 25ton:

Ambient Temperature (°F)		Entering Wet Bulb(°F)		Air Flow	CFM	9500				10000			
				Ent (DB)	(°F)	75	80	85	90	75	80	85	90
	85		61		TGC	277	283	288	294	285	290	296	302
					SHC	242	247	252	257	258	263	268	274
			67		TGC	309	315	321	327	312	318	324	331
					SHC	183	230	276	312	189	241	295	321
			73		TGC	320	326	333	339	321	327	334	340
					SHC	119	172	209	248	121	175	216	267
	95		61		TGC	257	262	267	273	265	270	275	281
					SHC	232	236	241	246	248	253	258	263
			67		TGC	284	290	296	302	289	300	306	312
					SHC	177	225	269	309	186	237	285	295
			73		TGC	317	323	330	336	318	324	331	337
					SHC	116	164	204	245	118	167	211	262
	105		61		TGC	236	241	246	251	245	249	254	259
					SHC	222	226	230	235	238	243	248	253
			67		TGC	276	281	287	293	282	288	294	300
					SHC	169	216	265	289	178	230	280	295
			73		TGC	310	316	322	328	312	318	324	331
					SHC	111	158	198	234	113	164	203	259
	115		61		TGC	216	220	224	229	223	227	232	237
					SHC	212	216	220	224	216	220	224	229
			67		TGC	253	258	263	269	258	263	268	274
					SHC	159	208	255	260	168	221	263	269
			73		TGC	298	304	310	316	300	306	312	319
					SHC	106	153	193	222	107	160	196	253
	125		61		TGC	196	200	204	208	203	207	211	215
					SHC	192	196	200	204	196	200	204	208
			67		TGC	230	235	240	244	235	239	244	249
					SHC	144	189	232	237	153	200	239	244
			73		TGC	271	276	282	287	273	278	284	290
					SHC	96	139	175	202	98	146	178	230

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 25ton:

Net Capacities(kW)-10000 CFM								
Outdoor Temp(℃)70% RH	Peak NetHeating(kW) at Indicated Dry Bulb(℃)				Peak Total Power(KW) at Indicated Dry Bulb(℃)			
	15	21	24	27	15	21	24	27
-15	49.5	46.5	45.5	44.8	23.0	25.3	26.8	28.3
-12	53.3	51.0	50.0	49.5	23.5	25.8	27.0	28.8
-9	56.5	55.0	54.5	54.5	23.8	26.0	27.3	29.3
-6	59.3	57.5	57.0	56.3	24.0	26.3	27.8	29.8
-3	62.8	61.8	61.3	60.3	24.3	26.5	28.3	30.3
0	67.5	66.5	65.5	64.8	24.5	27.0	28.8	30.5
3	77.8	77.0	75.8	74.8	25.0	27.5	29.3	31.0
6	89.5	88.3	87.3	86.8	26.0	28.0	30.3	32.0
9	101.8	100.5	99.5	98.5	27.0	30.0	31.8	33.8
12	108.0	111.8	111.3	110.3	28.0	31.3	33.0	35.0
15	116.5	114.8	114.0	112.8	28.8	32.0	33.8	35.8
18	123.5	121.3	120.0	119.0	29.5	32.8	34.8	36.5
21	132.5	129.8	128.0	126.3	30.0	33.3	35.0	36.8
24	140.0	136.3	134.0	132.5	30.8	33.8	36.3	37.5

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

T3 condition-R410A

Cooling capacity for 5ton

Ambient Temperature(°F)		Entering Wet Bulb(°F)		Air Flow	CFM	1800			
				Ent (DB)	(°F)	75	80	85	90
	75		61		TGC	63.6	66.8	72.8	75
					SHC	46.8	48.1	51.7	53.2
			67		TGC	65.7	69	74.5	76.7
					SHC	47.3	49	52.9	54.5
			73		TGC	67.4	70.7	76.4	78.3
					SHC	47.8	50.2	54.2	55.7
	85		61		TGC	59.6	62.6	68.2	70.3
					SHC	42.9	45.1	49.1	50.6
			67		TGC	61.5	64.6	69.7	71.8
					SHC	44.3	46.5	50.2	51.7
			73		TGC	63	66.2	71.5	73.3
					SHC	45.4	47.7	51.5	52.8
	95		61		TGC	55.5	58.3	63	64.8
					SHC	41.1	43.1	46.6	48
			67		TGC	57.1	60	65	66.9
					SHC	41.7	44	47.2	48.8
			73		TGC	58.7	61.7	66.6	68.3
					SHC	42.9	45	48.6	49.8
	105		61		TGC	51.6	54.2	59	60.8
					SHC	39.7	41.7	45.5	46.8
			67		TGC	53.2	55.9	60.3	62.2
					SHC	40.4	42.5	45.9	47.2
			73		TGC	54.6	57.3	61.9	63.4
					SHC	40.9	43	46.4	47.6
	115		61		TGC	47.4	49.7	54.2	55.8
					SHC	38.8	39.3	42.8	44.1
			67		TGC	48.8	51.2	55.7	57.4
					SHC	39	39.8	43.7	45.4
			73		TGC	49.9	52.4	57.1	58.6
					SHC	39.4	41.4	45.1	46.2

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Cooling capacity for 6.2ton

Ambient Temperature(°F)		Entering Wet Bulb(°F)		Air Flow CFM	2400				2600				2800			
		Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
85		61		TGC	73.9	75.3	76.8	78.4	75.6	77.1	78.6	80.2	77.0	78.5	80.1	81.7
				SHC	65.5	71.3	74.6	77.1	69.4	71.5	74.4	78.1	72.9	76.4	79.1	80.6
		67		TGC	81.1	82.8	84.4	86.1	81.8	83.4	85.1	86.8	82.3	83.9	85.6	87.4
				SHC	49.1	61.4	72.3	81.5	50.3	62.4	74.6	84.7	51.4	64.1	76.7	85.3
		73		TGC	83.9	85.6	87.3	89.0	84.1	85.8	87.5	89.3	84.4	86.1	87.7	89.5
				SHC	31.6	42.9	52.7	63.5	32.0	46.4	53.6	63.8	32.4	48.0	54.3	65.0
95		61		TGC	68.5	69.9	71.3	72.8	70.5	71.9	73.4	74.8	72.2	73.6	75.1	76.6
				SHC	61.2	66.5	68.7	72.2	63.6	67.1	70.7	73.4	70.9	72.0	73.8	75.6
		67		TGC	73.7	75.2	77.4	79.8	74.1	75.6	77.9	80.2	78.9	83.0	85.4	86.2
				SHC	47.6	60.6	73.2	77.3	49.7	63.5	76.8	77.8	51.7	66.1	80.0	81.1
		73		TGC	83.2	84.9	86.6	88.3	83.5	85.2	86.9	88.6	83.4	85.1	86.8	88.5
				SHC	30.6	43.3	54.2	65.4	31.1	44.0	55.5	67.0	31.6	47.0	56.6	68.6
105		61		TGC	63.0	64.2	65.5	66.8	64.7	66.0	67.4	68.7	66.3	67.7	69.0	70.4
				SHC	60.2	61.3	64.6	66.3	63.7	64.7	65.9	68.0	64.4	66.5	67.9	69.8
		67		TGC	73.0	74.5	76.0	77.5	74.3	75.8	77.3	78.9	75.4	76.9	78.4	80.0
				SHC	45.4	56.0	71.9	76.4	47.6	62.0	76.7	78.1	49.8	65.3	76.2	78.2
		73		TGC	80.6	82.2	83.8	85.5	81.8	83.4	85.1	86.8	82.2	83.8	85.5	87.2
				SHC	28.9	42.6	55.5	66.7	30.0	44.2	56.9	68.5	30.4	45.2	58.3	70.7
115		61		TGC	56.9	58.0	59.1	60.3	59.1	60.2	61.4	62.7	61.0	62.2	63.5	64.7
				SHC	51.8	54.4	57.2	58.5	56.9	58.5	60.1	61.9	59.5	60.2	62.3	64.1
		67		TGC	66.4	67.8	69.1	70.5	63.1	65.0	66.3	68.3	69.0	70.3	71.8	73.2
				SHC	42.7	55.8	66.3	69.5	44.9	59.4	61.2	63.0	47.1	63.0	69.5	72.4
		73		TGC	72.8	74.2	75.7	77.3	78.6	80.2	81.8	83.4	79.2	80.8	82.4	84.0
				SHC	27.9	41.0	53.7	66.1	28.5	42.6	56.4	69.6	29.0	44.4	58.7	72.7
125		61		TGC	52.2	53.2	54.2	55.3	54.2	55.3	56.4	57.5	55.9	57.1	58.2	59.4
				SHC	47.5	49.9	52.5	53.6	52.2	53.6	55.1	56.9	54.6	55.3	57.1	58.8
		67		TGC	60.9	62.2	63.4	64.6	62.2	63.5	64.7	66.0	63.3	64.6	65.8	67.1
				SHC	39.2	51.3	60.8	63.7	41.2	54.5	63.7	65.7	43.2	57.8	63.7	66.4
		73		TGC	66.8	68.1	69.5	70.8	72.1	73.5	75.1	76.5	72.7	74.1	75.6	77.1
				SHC	25.6	37.6	49.3	60.7	26.1	39.1	51.7	63.9	26.7	40.8	53.9	66.7

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 6.2ton:

Outdoor Temp(°F)70% RH	Net Capacities(kW)-2600 CFM							
	Peak Net Heating(kW) at Indicated Dry Bulb(°F)				Peak Total Power(KW) at Indicated Dry Bulb(°F)			
	59	68	75.2	80.6	59	68	75.2	80.6
23	15.7	15.2	14.8	14.3	6.0	6.3	6.5	6.7
26.6	17.4	16.9	16.4	15.9	6.3	6.6	6.8	7.0
32	19.3	18.8	18.2	17.7	6.7	6.9	7.2	7.4
37.4	22.8	22.1	21.4	20.8	7.0	7.3	7.5	7.8
44.6	26.8	26.0	25.2	24.5	7.4	7.6	7.9	8.2
48.2	28.7	27.8	27.0	26.2	7.5	8.3	8.8	9.3
53.6	30.4	29.5	28.6	27.7	7.8	8.7	9.1	9.7
59	32.2	31.3	30.3	29.4	7.9	8.9	9.3	9.9
64.4	34.1	33.1	32.1	31.2	8.2	9.0	9.6	10.2
69.8	36.2	35.1	34.1	33.0	8.3	9.2	9.7	10.2
75.2	38.3	37.2	36.1	35.0	8.5	9.3	10.1	10.4

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

Cooling capacity for 7.5ton

Ambient Temperature(°F)		Entering Wet Bulb(°F)		Air Flow CFM	2800				3000				3200			
		Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
85		61		TGC	82.5	84.2	85.8	87.5	87.3	89	90.8	92.6	89.3	91.1	92.9	94.8
				SHC	72.7	80.4	85.3	87.5	77.4	84.3	88.2	91.1	82	84.5	87.9	92.3
		67		TGC	94.8	96.7	98.6	100.6	95.9	97.8	99.8	101.8	96.7	98.6	100.6	102.6
				SHC	55.6	68.8	81.8	94.3	58	72.6	85.4	96.3	59.5	73.8	83.2	100.1
		73		TGC	98.6	100.6	102.6	104.6	99.2	101.2	103.2	105.2	99.4	101.4	103.4	105.5
				SHC	36.8	51	62	72.4	37.3	50.7	62.3	75.1	37.8	54.8	63.3	75.4
95		61		TGC	78.6	80.2	81.8	83.4	81	82.6	84.3	86	83.3	85	86.7	88.4
				SHC	69.6	75.6	78	81.4	72.3	78.6	81.2	85.3	75.2	79.3	83.5	86.7
		67		TGC	85.6	87.3	89.1	90.8	87.1	89	96.6	98	91.4	96.2	98.1	99.8
				SHC	53.9	67.7	81.6	86.2	56.3	71.6	86.5	91.3	58.7	75	90.8	92
		73		TGC	97.8	99.8	101.8	103.8	98.3	100.3	102.3	104.3	98.7	100.7	102.7	104.7
				SHC	35.7	50.2	62.3	74.5	36.2	51.2	64.1	77.3	36.8	52	65.6	79.2
105		61		TGC	72.1	73.5	75	76.5	74.4	75.9	77.4	79	76.5	78	79.6	81.2
				SHC	66.4	68.3	71.3	73.2	71.2	72.4	76.3	78.4	75.3	76.5	77.9	80.4
		67		TGC	84.4	86.1	87.8	89.6	86.3	88	89.8	91.6	87.8	89.6	91.3	93.2
				SHC	51	65	79.2	86.3	53.7	66.2	85	90.3	56.3	73.3	90.6	92.3
		73		TGC	95.3	97.2	99.2	101.1	95.2	97.1	99	101	96.7	98.6	100.6	102.6
				SHC	34.2	48.9	64.2	76.8	34.1	50.4	65.6	78.8	35.4	52.2	67.2	80.9
115		61		TGC	65.3	66.6	67.9	69.3	67.2	68.5	69.9	71.3	69.8	71.2	72.6	74.1
				SHC	63.2	64.6	66.4	68.6	61.2	64.3	67.6	69.1	67.3	69.1	71	73.2
		67		TGC	76.7	78.2	79.8	81.4	78.5	80.1	81.7	83.3	80.1	817	83.3	85
				SHC	47.8	62.1	75.4	80.2	50.5	66	78.3	82.1	53.1	70.2	82.1	84.6
		73		TGC	90.8	92.6	94.5	96.4	86	87.7	89.5	91.3	92.9	94.8	96.7	98.6
				SHC	32.4	46.3	61.2	76.4	33	48.4	63.5	78.1	33.7	50.4	66.6	82.3
125		61		TGC	59.9	61.1	62.3	63.6	61.7	62.9	64.1	65.4	64	65.3	66.6	68
				SHC	58	59.3	60.9	62.9	56.1	59	62	63.4	61.7	63.4	65.1	67.2
		67		TGC	70.4	71.8	73.2	74.7	72	73.5	74.9	76.4	73.5	75	76.5	78
				SHC	43.9	57	69.2	73.6	46.3	60.6	71.8	75.3	48.7	64.4	75.3	77.6
		73		TGC	83.3	85	86.7	88.4	78.9	80.5	82.1	83.7	85.2	86.9	88.7	90.4
				SHC	29.7	42.5	56.1	70.1	30.3	44.4	58.3	71.7	30.9	46.2	61.1	75.5

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 7.5ton:

Outdoor Temp (°F)70%RH	Net Capacities(kW)-3000 CFM							
	Peak Net Heating(kW) at Indicated Dry Bulb(°F)				Peak Total Power(KW) at Indicated Dry Bulb(°F)			
	59	68	75.2	80.6	59	68	75.2	80.8
5	14.9	14.0	13.7	13.4	6.9	7.6	8.0	8.5
10.4	16.0	15.3	15.0	14.9	7.1	7.7	8.1	8.6
15.8	17.0	16.5	16.4	16.4	7.1	7.8	8.2	8.8
21.2	17.8	17.3	17.1	16.9	7.2	7.9	8.3	8.9
26.6	18.8	18.5	18.4	18.1	7.3	8.0	8.5	9.1
32	20.3	20.0	19.7	19.4	7.4	8.1	8.6	9.2
37.4	23.3	23.1	22.7	22.4	7.5	8.3	8.8	9.3
44.6	30.3	30	29.6	29.2	7.8	8.8	9.1	9.6
48.2	30.5	30.2	29.9	29.6	8.1	9.0	9.5	10.1
53.6	32.4	33.5	33.4	33.1	8.4	9.4	9.9	10.5
59	35.0	34.4	34.2	33.8	8.6	9.6	10.1	10.7
64.4	37.1	36.4	36.0	35.7	8.9	9.8	10.4	11.0
69.8	39.8	38.9	38.4	37.9	9.0	10.0	10.5	11.0
75.2	42.0	40.9	40.2	39.8	9.2	10.1	10.9	11.3

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

Cooling capacity for 8.5ton

Ambient Temperature(°F)		Entering Wet Bulb(°F)		Air Flow	CFM	3000				3300				3600			
				Ent (DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85		61		TGC	91.6	95.5	99.3	102.4	96.5	100.7	104.5	107.8	98.6	102.8	106.7	110.2
					SHC	71.4	82.1	90.1	94.9	76.8	88.1	96.6	101.7	80.8	92.8	101.7	107.1
			67		TGC	101.4	103.2	104.7	105.6	106.7	108.6	110.2	111.4	109	110.9	112.5	113.7
					SHC	54.1	67.9	81.7	90.6	58.1	72.8	87.7	97.3	61.2	76.6	92.3	102.6
			73		TGC	103.2	104.8	106.4	107.7	108.6	109.5	111.2	113.5	112.4	114.1	115.8	117.1
					SHC	23.9	44.5	61.6	74.9	25.8	48.3	67.9	86.1	27.2	56.3	74.6	97.8
	95		61		TGC	88.5	92.3	95.8	99.0	93.1	97.1	100.8	104.2	95.1	99.2	102.9	106.3
					SHC	72.6	83.2	91.7	96.3	78.2	89.8	98.6	103.7	82.4	94.6	98.1	102.1
			67		TGC	97.8	99.6	101.0	102.3	99.8	101.8	104.3	105.4	101.1	103.0	105.5	107.7
					SHC	55.2	68.7	83.4	92.4	59.2	74.3	89.4	99.8	62.4	78.1	94.1	104.5
			73		TGC	104.1	106	107.5	109.1	110.7	111.8	112.9	114.1	113.2	114.6	116.3	118.7
					SHC	26.4	55.2	67.8	88.9	26.1	48.9	69.8	82.3	30.8	67.2	94.3	106.7
	105		61		TGC	83.7	87.5	90.8	93.8	88.1	91.9	95.4	98.5	90.1	93.8	97.4	100.6
					SHC	69.7	80.0	87.7	92.3	74.7	85.8	94.1	98.5	78.7	90.4	93.5	96.5
			67		TGC	92.6	94.2	95.8	97.1	97.4	99.1	100.5	101.7	99.5	101.2	102.7	103.8
					SHC	52.8	66.1	79.5	88.4	56.6	70.8	86.1	98.3	59.6	74.7	89.9	99.8
			73		TGC	94.5	96.1	97.8	99.4	104.1	105.6	107.2	108.6	106.9	108.3	109.7	111.2
					SHC	23.3	44.7	59.8	72.6	82.3	87.1	90.6	99.8	31.2	67.4	98.6	106.8
	115		61		TGC	78.3	81.6	84.7	87.6	82.3	86.1	89.6	92.3	84.1	87.7	92.1	94.0
					SHC	67.2	77.1	83.5	86.6	72	82.7	89.1	92.0	75.8	87.1	91.0	92.7
			67		TGC	76.5	78.1	79.3	80.6	81	82.6	84.0	85.4	89.9	91.6	95.4	99.5
					SHC	50.9	63.7	76.7	85.2	54.5	68.7	82.3	94.6	57.4	71.9	86.6	96.2
			73		TGC	95.1	96.4	97.8	99.8	97.8	99.3	101.4	103.6	99.9	101.3	103.4	105.2
					SHC	22.5	41.8	57.7	70.5	28.3	53.2	89.1	101.6	32.1	68.4	98.9	103.6
	125		61		TGC	71.2	74.2	77.0	79.6	74.8	78.3	81.5	83.9	76.5	79.7	83.7	85.5
					SHC	61.1	70.1	76.8	78.5	65.5	75.2	81.0	83.6	68.9	79.2	82.7	84.3
			67		TGC	78.6	80.1	81.2	82.4	82.7	84.2	85.5	86.7	84.5	86.0	87.3	88.3
					SHC	46.3	57.9	69.7	77.5	49.5	62.5	74.8	86.0	52.2	65.4	78.7	87.5
			73		TGC	86.5	87.6	88.9	90.7	88.9	90.3	92.2	94.2	90.8	92.1	94.0	95.6
					SHC	20.5	38.0	52.5	64.1	25.7	48.4	81.0	92.4	29.2	62.2	89.9	94.2

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 8.5ton:

Net Capacities(kW)-3600 CFM								
Outdoor Temp (°F) 70% RH	Peak Net Heating(kW) at Indicated Dry Bulb(°F)				Peak Total Power(KW) at Indicated Dry Bulb(°F)			
	59	68	75.2	80.6	59	68	75.2	80.8
5	18.7	17.6	17.2	16.9	8.6	8.8	9.2	9.7
10.4	20.1	19.3	18.9	18.7	8.8	8.9	9.4	9.9
15.8	21.4	20.8	20.6	20.6	8.9	9.1	9.6	10.1
21.2	22.4	21.8	21.6	21.3	9.0	9.3	9.9	10.3
26.6	23.7	23.4	23.2	22.8	9.1	9.6	10.1	10.5
32	25.5	25.2	24.8	24.5	9.2	9.8	10.3	10.8
37.4	29.4	29.1	28.7	28.3	9.4	10.0	10.5	11.0
44.6	35.4	35.0	33.0	32.8	9.7	10.2	10.7	11.2
48.2	38.5	38.0	37.7	37.3	9.9	10.4	10.9	11.5
53.6	40.9	42.3	42.1	41.7	10.1	10.6	11.1	11.7
59	44.1	43.4	43.1	42.7	10.3	10.9	11.4	12.1
64.4	46.7	45.9	45.4	45.0	10.5	11.1	11.7	12.3
69.8	50.1	49.1	48.4	47.8	10.9	11.4	11.9	12.5
75.2	53.0	51.6	50.7	50.1	11.1	11.6	12.2	12.8

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

Cooling capacity for 10ton

Ambient Temperature(°F)		Entering Wet Bulb(°F)		Air Flow	CFM	3800				4000				4200			
				Ent (DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85		61		TGC	110.9	113.1	115.4	117.7	113.8	116.1	118.4	120.8	116.5	118.8	121.2	123.6
					SHC	96.8	98.7	100.7	102.7	103.2	105.3	107.4	109.5	109.2	111.4	113.6	115.9
			67		TGC	123.4	125.9	128.4	131	124.6	127.1	129.6	132.2	125.7	128.2	130.8	133.4
					SHC	73.2	92	108.3	124.8	75.6	94.3	112.8	128.5	78	97.3	116.5	130.4
			73		TGC	127.9	130.5	133.1	135.7	128.3	130.9	133.5	136.2	128.6	131.2	133.8	136.5
					SHC	47.7	64.9	79.6	95.3	48.3	65.8	81.2	96.7	49	72.1	82.4	98.4
	95		61		TGC	102.8	104.9	107	109.1	105.9	108	110.2	112.4	108.9	111.1	113.3	115.6
					SHC	92.7	94.6	96.4	98.4	99.2	101.2	103.2	105.3	105.4	107.5	109.7	111.9
			67		TGC	116.7	117	118.5	121	119.5	121	123.5	126	124	126	128.7	132.3
					SHC	70.8	89.8	108.6	123.4	74.3	94.8	114	124.3	77.4	99.3	120.3	128.4
			73		TGC	126.8	129.3	131.9	134.6	127.1	129.6	132.2	134.9	127.8	130.4	133	135.6
					SHC	46.3	65.4	81.5	97.8	47.2	66.7	84.3	101.9	47.5	67.6	85.8	104.7
	105		61		TGC	94.5	96.4	98.3	100.3	97.8	99.8	101.8	103.8	99.8	101.8	103.8	105.9
					SHC	88.6	90.4	92.2	94	95.2	97.1	99	101	93.4	95.3	97.2	99.1
			67		TGC	110.3	112.5	114.8	117.1	112.9	115.2	117.5	119.8	114.6	116.9	119.2	121.6
					SHC	67.6	86.4	105.9	115.6	71.3	92.1	113.7	117.9	74.2	98.3	115.5	117.6
			73		TGC	123.8	126.3	128.8	131.4	124.6	127.1	129.6	132.2	125.2	127.7	130.3	132.9
					SHC	44.3	63.2	81	98.3	45.2	65.6	85.3	103.7	45.7	67.5	86.9	106.8
	115		61		TGC	86.3	88	89.8	91.6	89.2	91	92.8	94.7	92.3	94.1	96	97.9
					SHC	84.6	86.3	88	89.8	86.2	87.9	89.7	91.5	90.2	92	93.8	95.7
			67		TGC	101.3	103.3	105.4	107.5	103.2	107	107.4	109.5	105.6	107.7	109.9	112.1
					SHC	63.5	83.2	102.1	104.1	67.3	88.2	105.3	107.4	70.8	94.1	107.3	110.5
			73		TGC	119.2	121.6	124	126.5	120.1	122.5	125	127.5	120.8	123.2	125.7	128.2
					SHC	42.2	61.3	80.1	98.7	42.9	64.1	84.3	104.1	43.7	66.8	87.9	109.3
	125		61		TGC	78.5	80	81.6	83.3	81.1	82.7	84.4	86.1	83.9	85.6	87.8	89
					SHC	76.9	78.4	80	81.6	78.4	79.9	81.5	83.2	82	83.6	85.3	87
			67		TGC	92.1	93.9	95.8	97.7	93.8	97.9	98.2	99.6	96	98.1	99.9	101.9
					SHC	57.7	75.6	92.8	94.7	61.2	80.2	95.7	97.6	64.4	85.5	97.7	100.5
			73		TGC	108.4	110.5	112.7	115	109.2	111.4	113.6	115.9	109.8	112	114.3	116.5
					SHC	38.4	55.7	72.8	89.7	39	58.3	76.6	94.6	39.7	60.7	79.9	99.4

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 10ton:

Net Capacities(kW)-4000 CFM								
Outdoor Temp (°F)70%RH	Peak Net Heating(kW) at Indicated Dry Bulb(°F)				Peak Total Power(KW) at Indicated Dry Bulb(°F)			
	59	68	75.2	80.6	59	68	75.2	80.8
5	19.8	18.6	18.2	17.9	9.2	10.1	10.7	11.3
10.4	21.3	20.4	20	19.8	9.4	10.3	10.8	11.5
15.8	22.6	22	21.8	21.8	9.5	10.4	10.9	11.7
21.2	23.7	23	22.8	22.5	9.6	10.5	11.1	11.9
26.6	25.1	24.7	24.5	24.1	9.7	10.6	11.3	12.1
32	27	26.6	26.2	25.9	9.8	10.8	11.5	12.2
37.4	31.1	30.8	30.3	29.9	10	11	11.7	12.4
44.6	37.8	37	36.3	35.7	10.4	10.9	11.9	12.8
48.2	40.7	40.2	39.8	39.4	10.8	12	12.7	13.5
53.6	43.2	44.7	44.5	44.1	11.2	12.5	13.2	14
59	46.6	45.9	45.6	45.1	11.5	12.8	13.5	14.3
64.4	49.4	48.5	48	47.6	11.8	13.1	13.9	14.6
69.8	53	51.9	51.2	50.5	12	13.3	14	14.7
75.2	56	54.5	53.6	53	12.3	13.5	14.5	15

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

Cooling capacity for 12.5ton

Ambient Temperature	Entering Wet Bulb(°F)		Air Flow（CFM）	4800				5200				5600				6000			
		Ent(DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90	75	80	85	90
85	61		TGC	125.9	130.2	138.2	152.2	130.1	135.5	143.5	157.5	135.9	142.6	149.6	164.6	139.7	144.2	151.7	166.7
			SHC	111.8	115.9	123.9	137.9	115.0	123.5	131.5	145.5	119.9	128.2	135.2	150.2	126.2	130.1	137.6	152.6
	67		TGC	141.5	145.3	153.3	167.3	145.6	149.8	157.8	171.8	149.0	152.2	159.2	174.2	151.6	156.0	163.5	178.5
			SHC	92.6	106.6	114.6	128.6	103.6	112.2	120.2	134.2	106.6	115.9	122.9	137.9	109.9	118.1	125.6	140.6
	73		TGC	153.5	156.6	164.6	178.6	156.3	158.2	166.2	180.2	160.1	163.5	170.5	185.5	162.1	166.7	174.2	189.2
			SHC	79.6	89.9	97.9	111.9	83.9	89.9	97.9	111.9	88.4	92.5	99.5	114.5	86.3	94.1	101.6	116.6
95	61		TGC	111.7	114.5	122.5	136.5	114.9	126.6	134.6	148.6	126.2	128.8	135.8	150.8	128.5	130.7	138.2	153.2
			SHC	108.4	111.7	119.7	133.7	110.9	116.0	124.0	138.0	113.1	118.9	125.9	140.9	118.9	122.2	129.7	144.7
	67		TGC	136.0	140.3	148.3	162.3	144.0	146.0	154.0	168.0	146.8	148.8	155.8	170.8	147.5	150.9	158.4	173.4
			SHC	89.9	104.6	112.6	126.6	101.2	109.9	117.9	131.9	103.2	111.3	118.3	133.3	106.5	114.9	122.4	137.4
	73		TGC	151.7	154.1	162.1	176.1	155.3	155.5	163.5	177.5	157.8	161.6	168.6	183.6	159.6	164.1	171.6	186.6
			SHC	77.4	82.3	90.3	104.3	79.0	85.1	93.1	107.1	81.0	89.2	96.2	111.2	83.0	91.2	98.7	113.7
105	61		TGC	101.2	112.9	120.9	134.9	107.6	117.8	125.8	139.8	112.3	119.2	126.2	141.2	114.2	125.3	132.8	147.8
			SHC	99.8	110.1	118.1	132.1	104.5	114.5	122.5	136.5	105.2	116.2	123.2	138.2	107.0	118.4	125.9	140.9
	67		TGC	114.5	128.5	136.5	150.5	116.0	129.9	137.9	151.9	119.1	130.2	137.2	152.2	122.7	133.8	141.3	156.3
			SHC	78.8	101.4	109.4	123.4	81.76	106.7	114.7	128.7	85.2	114.1	121.1	136.1	89.6	119.5	127.0	142.0
	73		TGC	134.5	136.7	144.7	158.7	139.8	148.9	156.9	170.9	151.2	158.2	165.2	180.2	156.3	162.1	169.6	184.6
			SHC	63.2	85.8	93.8	107.8	64.2	88.7	96.7	110.7	64.8	90.0	97.0	112.0	65.6	93.6	101.1	116.1
115	61		TGC	93.6	95.6	103.6	117.6	105.0	107.2	115.2	129.2	108.0	112.9	119.9	134.9	112.3	115.4	122.9	137.9
			SHC	77.2	80.3	88.3	102.3	82.8	100.7	108.7	122.7	103.4	104.8	111.8	126.8	107.1	111.3	118.8	133.8
	67		TGC	111.5	114.3	122.3	136.3	114.2	116.8	124.8	138.8	116.8	119.0	126.0	141.0	120.1	123.9	131.4	146.4
			SHC	69.3	75.3	83.3	97.3	78.9	97.6	105.6	119.6	83.9	102.3	109.3	124.3	88.9	118.5	126.0	141.0
	73		TGC	121.9	125.6	133.6	147.6	125.2	128.9	136.9	150.9	130.0	135.3	142.3	157.3	136.1	139.2	146.7	161.7
			SHC	55.4	73.6	81.6	95.6	58.9	78.8	86.8	100.8	59.9	85.3	92.3	107.3	63.7	87.3	94.8	109.8
125	61		TGC	88.6	92.6	100.6	114.6	92.5	94.2	102.2	116.2	96.9	100.4	107.4	122.4	99.9	105.8	113.3	128.3
			SHC	70.5	77.6	85.6	99.6	77.5	85.9	93.9	107.9	80.0	95.1	102.1	117.1	85.3	97.3	104.8	119.8
	67		TGC	102.3	105.9	113.9	127.9	104.1	107.2	115.2	129.2	106.3	109.5	116.5	131.5	109.2	110.9	118.4	133.4
			SHC	65.7	72.1	80.1	94.1	68.2	81.9	89.9	103.9	75.2	90.1	97.1	112.1	81.9	90.9	98.4	113.4
	73		TGC	109.8	113.7	121.7	135.7	112.6	120.5	128.5	142.5	123.6	131.1	138.1	153.1	130.0	135.0	142.5	157.5
			SHC	54.3	62.9	70.9	84.9	56.8	69.1	77.1	91.1	58.6	76.9	83.9	98.9	59.3	75.9	83.4	98.4

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Cooling capacity for 12.5Ton: (暂缺)

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

Cooling capacity for 15ton

Ambient Temperature(°F)	Entering Wet Bulb(°F)		Air Flow	CFM	5500				6000				6500			
		Ent (DB)		(°F)	75	80	85	90	75	80	85	90	75	80	85	90
85		61		TGC	163.6	165.6	172.9	182.7	168	171.6	179	188.7	169.9	174.2	185.1	193.6
				SHC	131.5	155.8	166	175.3	138.7	165.6	173.6	183	146.1	167.2	177.7	185.9
		67		TGC	183.3	185.5	187.6	190.2	188.7	190	191.1	192.4	191	192.5	193.6	195.1
				SHC	104.7	127.8	149.8	172.9	109.3	132.7	157.1	180.2	111.2	136.4	162	187.6
		73		TGC	193.6	197.3	199.8	202.2	195.8	198.5	202.2	204.5	198.3	201	203.3	205.8
				SHC	72.2	96.8	117	136.4	73.6	99	119.6	138.6	74.9	99.9	121.6	143.7
95		61		TGC	153.4	157.1	164.5	175.4	155.3	162	171.7	181.4	160.8	164.5	176.6	186.3
				SHC	125.3	149.8	159.5	170.1	132.7	157.1	166.6	176	140.1	159.5	171.3	180.8
		67		TGC	171.7	174.2	176.6	180.2	179	180	182.7	183.9	185.1	186.5	187.7	188.7
				SHC	99.9	123	146.1	169.2	104.1	129	153.5	179	108.1	132.8	160.8	186.3
		73		TGC	188.8	191.1	193.5	196.1	190.2	192.2	195.2	198.5	191.9	194.3	196.8	198
				SHC	69	93.1	114.8	135.2	70.5	96.3	117.8	140.1	71.8	97.9	120.7	143.7
105		61		TGC	142.7	146.4	153.8	166.1	147.6	151.3	163.6	171	150.1	156.2	169.7	180.8
				SHC	119.6	140.5	147.6	159.4	127.9	145.2	157	164.1	135.3	151.5	164.6	173.2
		67		TGC	163.6	166.1	169.7	171	164.8	168.5	173.4	175.9	173.4	175.9	178.4	180.8
				SHC	94.6	118.1	141.3	165.7	109	124.2	149.8	170.6	102.6	130.3	157.1	175.4
		73		TGC	185.7	187	188.2	189.4	188.2	189.4	190.7	193.1	190.7	191.9	193.1	194.3
				SHC	65.6	89.2	111.7	132.8	67	92.3	115.5	138.9	68.3	95.3	118.6	142.4
115		61		TGC	130.4	135.3	147.6	159.9	134.1	141.5	153.8	166.1	137.8	140.4	150.9	172.2
				SHC	114.5	131.2	143.2	155.1	121.6	135.8	147.6	159.4	127.9	136.2	146.9	167
		67		TGC	153.8	156.2	157.4	160.9	155	158.7	161.1	163.6	163.6	166.1	169.7	174
				SHC	98.4	113.4	136.5	159.9	103.3	119.9	145.1	163.6	108.2	125.5	151.3	168.8
		73		TGC	173.4	175.9	178.4	179.6	178.4	180.8	182	183.3	182	183.3	184.5	185.7
				SHC	62.1	85.6	108.9	131.6	63.5	89.8	113.2	136.5	66.4	92.3	118.1	143.9
125		61		TGC	125.4	130.1	141.9	152.1	128.9	136	147.8	159.7	132.5	140.7	153.8	165.6
				SHC	110.1	126.2	137.7	147.5	117	131.9	143.4	154.9	13	136.5	149.1	160.6
		67		TGC	147.8	150.2	151.4	153.8	149	152.6	154.9	157.3	157.3	159.7	163.2	167.1
				SHC	94.6	109	131.3	153.8	99.3	115.3	139.6	152.6	104.1	120.6	145.5	162.1
		73		TGC	166.8	169.1	171.5	172.7	171.5	173.9	175	176.2	175	176.2	177.4	178.6
				SHC	59.7	82.3	104.7	126.5	61	86.3	108.8	131.3	63.9	88.7	113.5	138.4

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 15ton:

Outdoor Temp(°F)70% RH	Net Capacities(kW)-6000 CFM							
	Peak Net Heating(kW) at Indicated Dry Bulb(°F)				Peak Total Power(KW) at Indicated Dry Bulb(°F)			
	59	68	75.2	80.6	59	68	75.2	80.8
5	29.7	27.9	27.3	26.9	13.8	15.2	16.1	17.0
10.4	32.0	30.6	30.0	29.7	14.1	15.5	16.2	17.3
15.8	33.9	33.0	32.7	32.7	14.3	15.6	16.4	17.6
21.2	35.6	34.5	34.2	33.8	14.4	15.8	16.7	17.9
26.6	37.7	37.1	36.8	36.2	14.6	15.9	17.0	18.2
32	40.5	39.9	39.3	38.9	14.7	16.2	17.3	18.3
37.4	46.7	46.2	45.5	44.9	15.0	16.5	17.6	18.6
44.6	56.7	56	54.3	53.7	15.6	17.5	18.2	19.2
48.2	61.1	60.3	59.7	59.1	16.2	18.0	19.1	20.3
53.6	64.8	67.1	66.8	66.2	16.8	18.8	19.8	21.0
59	69.9	68.9	68.4	67.7	17.3	19.2	20.3	21.5
64.4	74.1	72.8	72.0	71.4	17.7	19.7	20.9	21.9
69.8	79.5	77.9	76.8	75.8	18.0	20.0	21.0	22.1
75.2	84.0	81.8	80.4	79.5	18.5	20.3	21.8	22.5

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

Cooling capacity for 17.5ton

Ambient Temperature(°F)	Entering Wet Bulb(°F)	Air Flow	CFM	6800				7300				7600			
		Ent (DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90
85	61		TGC	187.6	189.9	198.3	209.5	192.6	196.8	205.3	216.4	194.8	199.7	212.2	222.0
			SHC	150.8	178.7	190.3	201.0	159.0	189.9	199.1	209.8	167.5	191.7	203.8	213.2
	67		TGC	210.2	212.7	215.1	218.1	216.4	217.9	219.1	220.6	219.0	220.7	222.0	223.7
			SHC	120.1	146.5	171.8	198.3	125.3	152.2	180.1	206.6	127.5	156.4	185.8	215.1
	73		TGC	222.0	226.2	229.1	231.9	224.5	227.6	231.9	234.5	227.4	230.5	233.1	236.0
			SHC	82.8	111.0	134.2	156.4	84.4	113.5	137.1	158.9	85.9	114.6	139.4	164.8
95	61		TGC	175.9	180.1	188.6	201.1	178.1	185.8	196.9	208.0	184.4	188.6	202.5	213.6
			SHC	143.7	171.8	182.9	195.0	152.2	180.1	191.0	201.8	160.6	182.9	196.4	207.3
	67		TGC	196.9	199.7	202.5	206.6	205.3	206.4	209.5	210.9	212.2	213.9	215.2	216.4
			SHC	114.6	141.0	167.5	194.0	119.4	147.9	176.0	205.3	124.0	152.3	184.4	213.6
	73		TGC	216.5	219.1	221.9	224.9	218.1	220.4	223.8	227.6	220.0	222.8	225.7	227.0
			SHC	79.1	106.8	131.6	155.0	80.8	110.4	135.1	160.6	82.3	112.3	138.4	164.8
105	61		TGC	163.6	167.9	176.4	190.5	169.2	173.5	187.6	196.1	172.1	179.1	194.6	207.3
			SHC	137.1	161.1	169.2	182.8	146.7	166.5	180.0	188.2	155.1	173.7	188.7	198.6
	67		TGC	187.6	190.5	194.6	196.1	189.0	193.2	198.8	201.7	198.8	201.7	204.6	207.3
			SHC	108.5	135.4	162.0	190.0	125.0	142.4	171.8	195.6	117.6	149.4	180.1	201.1
	73		TGC	212.9	214.4	215.8	217.2	215.8	217.2	218.7	221.4	218.7	220.0	221.4	222.8
			SHC	75.2	102.3	128.1	152.3	76.8	105.8	132.4	159.3	78.3	109.3	136.0	163.3
115	61		TGC	149.5	155.1	169.2	183.4	153.8	162.3	176.4	190.5	158.0	161.0	173.0	197.5
			SHC	131.3	150.4	164.2	177.8	139.4	155.7	169.2	182.8	146.7	156.2	168.4	191.5
	67		TGC	176.4	179.1	180.5	183.4	177.7	182.0	184.7	187.6	187.6	190.5	194.6	199.5
			SHC	112.8	130.0	156.5	183.4	118.5	137.5	166.4	187.6	124.1	143.9	173.5	193.6
	73		TGC	198.8	201.7	204.6	205.9	204.6	207.3	208.7	210.2	208.7	210.2	211.6	212.9
			SHC	71.2	98.2	124.9	150.9	72.8	103.0	129.8	156.5	76.1	105.8	135.4	165.0
125	61		TGC	143.8	149.2	162.7	174.4	147.8	155.9	169.5	183.1	151.9	161.3	176.4	189.9
			SHC	126.2	144.7	157.9	169.1	134.2	151.2	164.4	177.6	141.0	156.5	171.0	184.2
	67		TGC	169.5	172.2	173.6	176.4	170.9	175.0	177.6	180.4	180.4	183.1	187.1	191.6
			SHC	100.4	125.0	150.6	176.4	113.5	132.2	160.1	175.0	119.4	138.3	166.8	185.9
	73		TGC	191.3	193.9	196.7	198.0	196.7	199.4	200.7	202.0	200.7	202.0	203.4	204.8
			SHC	68.5	94.4	120.1	145.1	69.9	99.0	124.8	150.6	73.3	101.7	130.1	158.7

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 17.5ton:

Outdoor Temp(°F)70% RH	Net Capacities(kW)-7300 CFM							
	Peak Net Heating(kW) at Indicated Dry Bulb (°F)				Peak Total Power(KW) at Indicated Dry Bulb (°F)			
	59	68	75.2	80.6	59	68	75.2	80.8
5	35.6	33.5	32.8	32.3	15.6	17.2	18.2	19.2
10.4	38.4	36.7	36.0	35.6	15.9	17.5	18.3	19.5
15.8	40.7	39.6	39.2	39.2	16.2	17.6	18.5	19.9
21.2	42.7	41.4	41.0	40.6	16.3	17.9	18.9	20.2
26.6	45.2	44.5	44.2	43.4	16.5	18.0	19.2	20.6
32	48.6	47.9	47.2	46.7	16.6	18.3	19.5	20.7
37.4	56.0	55.4	54.6	53.9	17.0	18.6	19.9	21.0
44.6	68.5	67.0	62.9	62.5	17.6	19.8	20.6	21.7
48.2	73.3	72.4	71.6	70.9	18.3	20.3	21.6	22.9
53.6	77.8	80.5	80.2	79.4	19.0	21.2	22.4	23.7
59	83.9	82.7	82.1	81.2	19.5	21.7	22.9	24.3
64.4	88.9	87.4	86.4	85.7	20.0	22.3	23.6	24.7
69.8	95.4	93.5	92.2	91.0	20.3	22.6	23.7	25.0
75.2	100.8	98.2	96.5	95.4	20.9	22.9	24.6	25.4

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

Cooling capacity for 20ton

Ambient Temperature(°F)	Entering Wet Bulb(°F)	Air Flow	CFM	7700				8400				9000			
		Ent (DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90
85	61		TGC	216.1	218.7	228.5	241.3	222.0	226.7	236.4	249.3	224.4	230.1	244.6	255.8
			SHC	173.7	205.9	221.6	234.1	183.3	218.7	229.3	241.8	193.1	223.2	237.2	248.1
	67		TGC	242.1	245.1	247.8	251.2	249.3	251.1	252.5	254.2	252.4	254.3	255.8	257.7
			SHC	138.3	168.8	197.9	228.5	144.5	175.3	207.5	238.1	146.9	180.2	214.0	247.8
	73		TGC	255.8	260.7	263.9	267.2	258.7	262.3	267.2	270.2	262.0	265.5	268.6	271.9
			SHC	95.4	127.9	154.5	180.2	97.2	130.8	158.0	183.1	99.0	132.0	160.7	189.8
95	61		TGC	202.6	207.5	217.3	231.7	205.2	214.0	226.9	239.7	212.4	217.3	233.4	246.2
			SHC	165.6	197.9	210.7	224.8	175.3	205.5	217.8	230.1	185.1	210.7	226.3	238.8
	67		TGC	226.9	230.1	233.4	238.1	236.4	240.0	241.3	242.9	244.6	246.4	248.0	249.3
			SHC	132.0	162.5	193.1	223.6	137.5	170.5	202.8	236.4	142.8	175.5	212.4	246.2
	73		TGC	249.4	252.5	255.6	259.0	251.2	254.0	257.9	262.3	253.5	256.8	260.0	261.6
			SHC	91.2	123.0	151.6	178.6	93.1	127.2	155.7	185.1	94.9	129.4	159.4	189.8
105	61		TGC	188.5	193.4	203.1	219.4	195.0	199.9	216.1	225.9	198.3	206.4	224.3	238.9
			SHC	158.0	187.6	197.0	212.8	169.0	193.9	209.6	219.1	178.8	200.2	217.5	231.7
	67		TGC	216.1	219.4	224.3	225.9	217.8	222.6	229.1	232.4	229.1	232.4	235.6	238.9
			SHC	125.0	156.0	186.7	218.9	144.0	164.1	197.9	209.1	135.5	172.1	207.5	238.9
	73		TGC	245.4	247.0	248.6	250.3	248.6	250.3	251.9	255.1	251.9	253.5	255.1	256.8
			SHC	86.6	117.8	147.6	175.5	88.6	122.0	152.6	183.5	90.2	125.9	156.7	188.2
115	61		TGC	172.3	178.8	195.0	211.3	177.1	186.9	203.1	219.4	182.0	193.4	211.3	227.5
			SHC	151.3	173.4	189.2	204.9	160.7	181.3	197.0	212.8	169.0	187.6	204.9	220.7
	67		TGC	203.1	206.4	208.0	211.3	204.8	209.6	212.9	216.1	216.1	219.4	224.3	227.5
			SHC	130.0	149.8	180.4	211.3	136.5	158.4	191.8	216.1	143.0	165.8	199.9	227.5
	73		TGC	229.1	232.4	235.6	237.3	235.6	238.9	240.5	242.1	240.5	242.1	243.8	245.4
			SHC	82.1	113.1	143.8	173.9	83.9	118.6	149.5	180.4	87.8	121.9	156.0	190.1
125	61		TGC	162.5	168.6	184.0	199.3	167.1	176.3	191.6	207.0	171.6	182.4	199.3	214.6
			SHC	147.2	163.6	178.4	193.3	151.6	171.0	185.9	200.7	159.4	177.0	193.3	208.2
	67		TGC	191.6	194.7	196.2	210.3	193.2	197.8	200.8	203.9	203.9	207.0	211.6	214.6
			SHC	122.6	141.3	170.2	189.3	128.8	149.5	180.9	199.8	134.9	156.4	188.6	210.3
	73		TGC	216.2	219.2	222.3	223.8	222.3	225.4	226.9	228.4	226.9	228.4	230.0	231.5
			SHC	77.4	106.7	135.7	164.0	79.1	111.9	141.0	170.2	82.8	115.0	147.2	179.4

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 20ton:

Outdoor Temp(°F)70% RH	Net Capacities(kW)-8400 CFM							
	Peak Net Heating(kW) at Indicated Dry Bulb (°F)				Peak Total Power(KW) at Indicated Dry Bulb (°F)			
	59	68	75.2	80.6	59	68	75.2	80.8
5	39.6	37.2	36.4	35.8	18.4	20.2	21.4	22.6
10.4	42.6	40.8	40.0	39.6	18.8	20.6	21.6	23.0
15.8	45.2	44.0	43.6	43.6	19.0	20.8	21.8	23.4
21.2	47.4	46.0	45.6	45.0	19.2	21.0	22.2	23.8
26.6	50.2	49.4	49.0	48.2	19.4	21.2	22.6	24.2
32	54.0	53.2	52.4	51.8	19.6	21.6	23.0	24.4
37.4	62.2	61.6	60.6	59.8	20.0	22.0	23.4	24.8
44.6	75.8	75	74.2	73.6	20.8	23.4	24.2	25.6
48.2	81.4	80.4	79.6	78.8	21.6	24.0	25.4	27.0
53.6	86.4	89.4	89.0	88.2	22.4	25.0	26.4	28.0
59	93.2	91.8	91.2	90.2	23.0	25.6	27.0	28.6
64.4	98.8	97.0	96.0	95.2	23.6	26.2	27.8	29.2
69.8	106.0	103.8	102.4	101.0	24.0	26.6	28.0	29.4
75.2	112.0	109.0	107.2	106.0	24.6	27.0	29.0	30.0

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

Cooling capacity for 30ton:

Ambient Temperature (°F)		Air Flow	(CFM)	11000				12000				13000			
		Ent(DB)	(°F)	75	80	85	90	75	80	85	90	75	80	85	90
	85	61	TGC	289.0	292.9	307.0	326.0	297.5	304.5	318.8	337.6	301.2	309.5	330.6	347.0
			SHC	231.3	278.2	298.0	315.9	245.2	297.2	312.7	324.8	259.5	300.3	320.6	336.4
		67	TGC	327.1	331.4	335.4	340.5	337.6	340.1	342.2	344.7	342.0	344.9	347.0	349.9
			SHC	179.4	224.1	266.6	311.3	188.3	233.6	280.8	325.4	192.0	240.7	290.2	319.7
		73	TGC	347.0	354.2	359.0	363.7	351.3	356.5	363.7	368.1	356.1	361.3	365.8	370.6
			SHC	116.6	164.2	203.2	240.7	119.3	168.4	208.3	245.0	121.8	170.2	212.1	254.8
	95	61	TGC	269.3	276.5	290.8	311.8	273.0	313.2	304.7	323.4	283.6	290.8	314.2	332.9
			SHC	219.3	266.6	285.4	305.9	233.6	276.0	299.1	317.3	247.9	285.4	308.2	326.6
		67	TGC	315.0	319.8	324.5	331.4	329.1	331.0	336.3	338.6	340.9	343.6	345.9	347.9
			SHC	170.2	214.8	259.5	304.1	230.3	278.4	301.8	313.1	233.0	249.8	293.9	319.2
		73	TGC	337.8	342.2	346.8	351.9	340.5	344.3	350.1	356.5	343.7	348.4	353.2	355.5
			SHC	110.4	157.0	199.0	238.4	113.3	163.2	204.8	247.9	115.8	166.3	210.4	254.8
	105	61	TGC	248.6	255.8	270.1	293.9	258.1	265.3	289.0	303.3	262.9	274.7	300.8	322.3
			SHC	208.3	248.7	262.4	285.2	224.3	257.7	280.6	294.3	238.6	269.9	295.3	311.9
		67	TGC	289.0	293.9	300.8	303.3	291.4	298.5	308.0	312.8	308.0	312.8	317.6	322.3
			SHC	159.9	205.4	250.2	297.4	187.8	217.1	266.6	306.9	175.4	228.9	280.8	316.1
		73	TGC	331.8	334.3	336.6	338.9	336.6	338.9	341.4	346.1	341.4	343.7	346.1	348.0
			SHC	103.9	149.5	193.0	233.8	106.6	155.5	200.3	245.6	109.1	161.3	206.3	252.3
	115	61	TGC	234.8	244.3	268.1	291.9	242.0	256.3	280.1	303.9	249.2	254.2	274.5	315.7
			SHC	198.4	230.7	253.9	276.9	212.1	239.6	262.4	285.2	224.3	238.3	251.0	289.9
		67	TGC	290.1	294.7	297.0	301.9	292.4	299.6	302.2	309.0	309.0	313.9	320.8	329.1
			SHC	192.9	221.9	266.5	291.0	202.3	234.4	283.2	287.0	216.8	250.3	290.1	294.0
		73	TGC	308.0	312.8	317.6	320.0	317.6	322.3	324.6	327.1	324.6	327.1	329.4	331.8
			SHC	97.1	142.5	187.6	231.5	102.8	150.6	195.9	240.9	105.4	155.5	205.4	255.2
	125	61	TGC	215.2	224.3	247.1	266.8	221.9	235.7	258.5	281.5	228.9	244.8	270.1	292.9
			SHC	189.9	201.0	223.2	242.2	203.2	232.0	254.3	276.5	214.8	230.9	255.3	285.5
		67	TGC	258.5	263.1	265.4	270.1	260.8	267.8	272.2	276.9	276.9	281.5	288.3	295.8
			SHC	146.4	187.8	230.9	254.4	168.4	199.9	246.9	262.1	178.3	210.2	258.3	286.4
		73	TGC	295.2	299.7	304.3	306.6	304.3	308.9	311.1	313.4	311.1	313.4	315.7	318.0
			SHC	92.4	136.1	179.4	221.6	95.0	143.9	187.4	230.9	100.6	148.5	196.5	244.6

Notes:
- All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
- TGC=Total Gross Capacity.(Unit:kBtu/h).
- SHC=Sensible Heat Capacity. (Unit: kBtu/h).

Heating capacity for 30ton

Net Capacities(kW)-12000 CFM								
Outdoor Temp(°F) 70% RH	Peak Net Heating(kW) at Indicated Dry Bulb(°F)				Peak Total Power (kW) at Indicated Dry Bulb(°F)			
	59	68	75.2	80.6	59	68	75.2	80.8
5	59.4	55.8	54.6	53.8	27.6	30.4	32.2	34
10.4	64	61.2	60	59.4	28.2	31	32.4	34.6
15.8	67.8	66	65.4	65.4	28.6	31.2	32.8	35.2
21.2	71.2	69	68.4	67.6	28.8	31.6	33.4	35.8
26.6	75.4	74.2	73.6	72.4	29.2	31.8	34	36.4
32	81	79.8	78.6	77.8	29.4	32.4	34.6	36.6
37.4	93.4	92.4	91	89.8	30	33	35.2	37.2
44.6	107.4	105.0	104.8	104.2	31.2	34.8	36.4	38.4
48.2	122.2	120.6	119.4	118.2	32.4	36	38.2	40.6
53.6	129.6	134.2	133.6	132.4	33.6	37.6	39.6	42
59	139.8	137.8	136.8	135.4	34.6	38.4	40.6	43
64.4	148.2	145.6	144	142.8	35.4	39.4	41.8	43.8
69.8	159	155.8	153.6	151.6	36	40	42	44.2
75.2	168	163.6	160.8	159	37	40.6	43.6	45

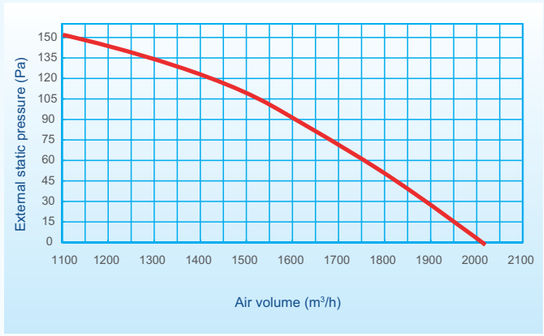
Notes:
- For other airflows, see heating capacity correction factor tables.
- Heating capacities and power are integrated to include the effects of defrost in the frost region.

Static pressure chart for air volume

T1 Condition -R22

MRA

2&3ton



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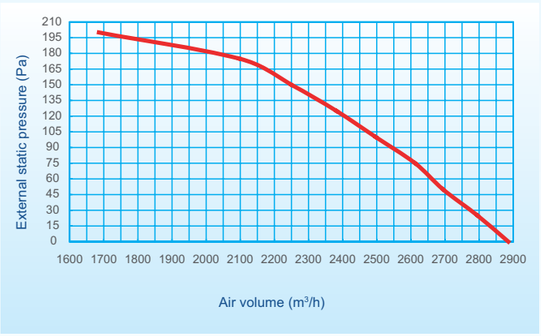
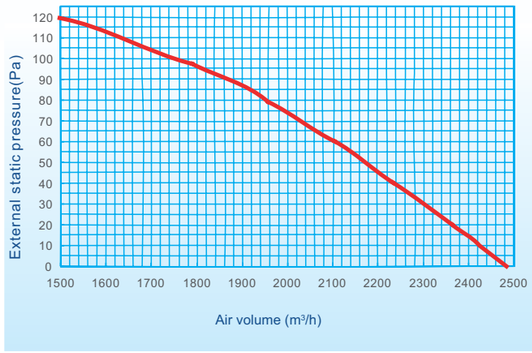


MRC

3ton



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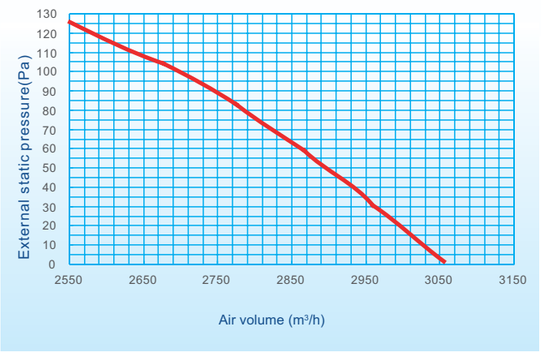
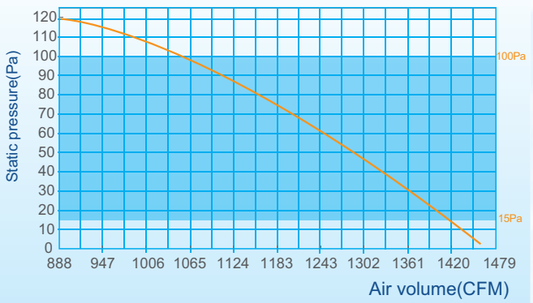


Notes:
The static pressure is recommended to use within shadow, the outer static pressure is availabe, but the user will be obligated risk himself.

T3 Condition-R22

3ton



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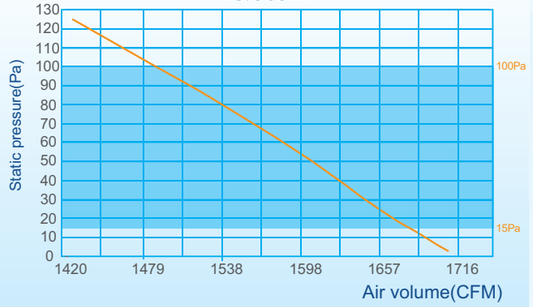

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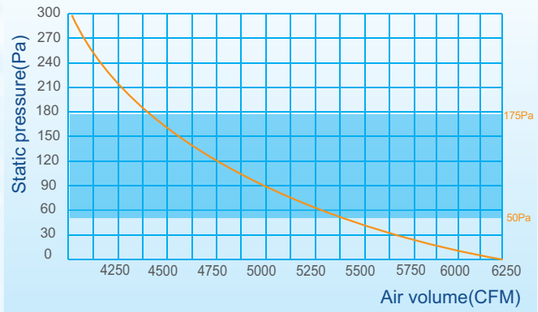

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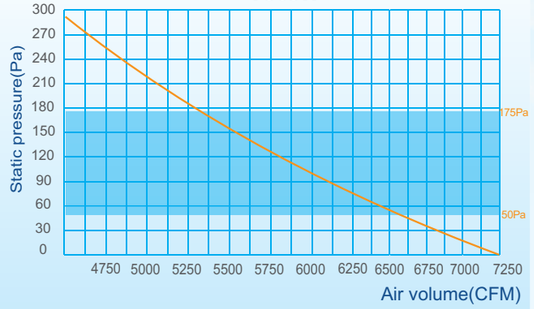

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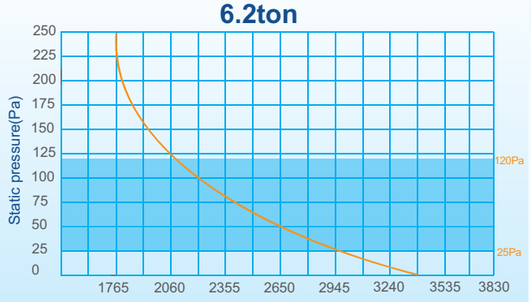

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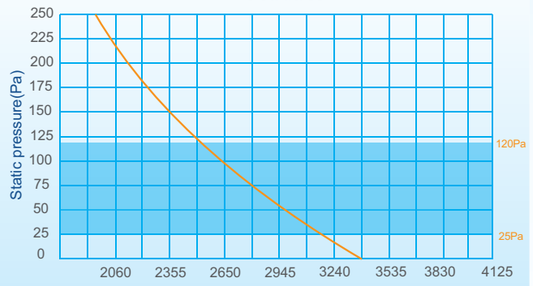

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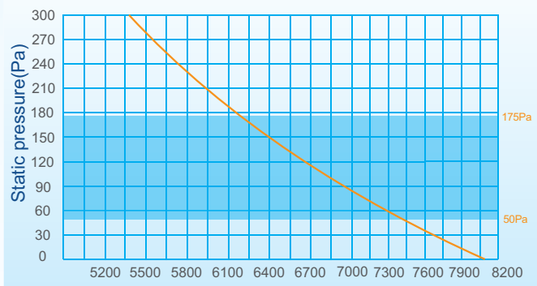

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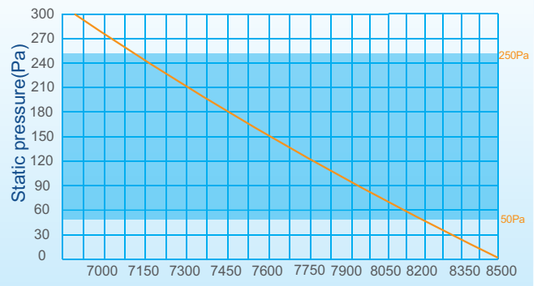

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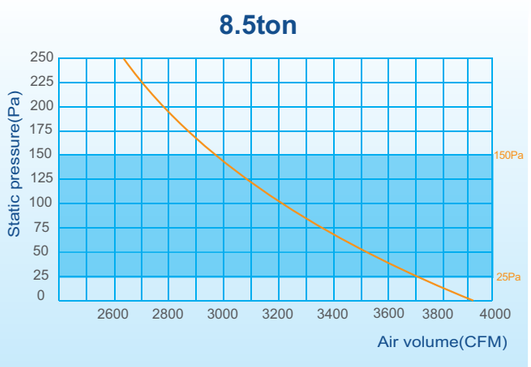

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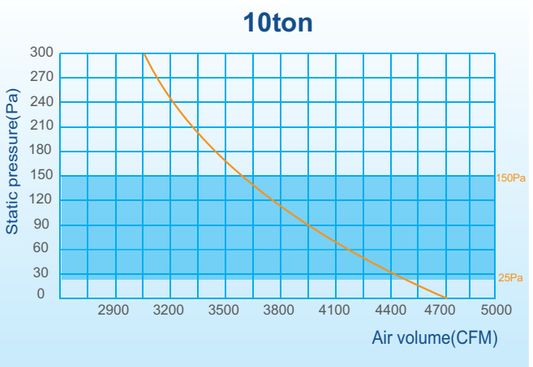

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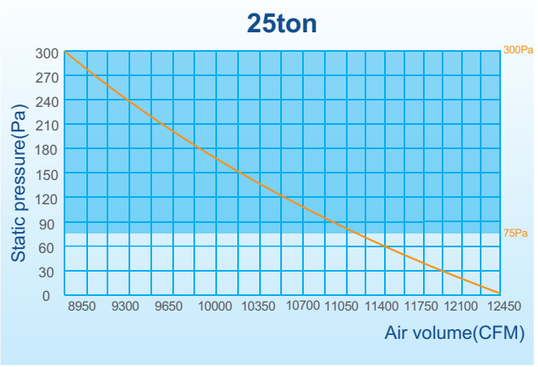
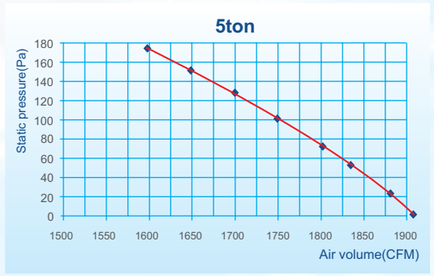


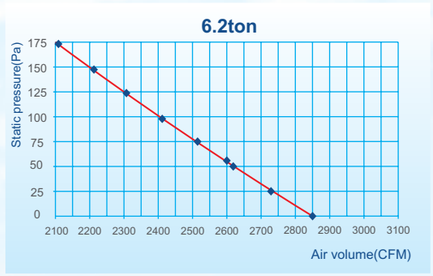
Notes:
The static pressure is recommended to use within shadow, the outer static pressure is availabe, but the user will be obligated risk himself.

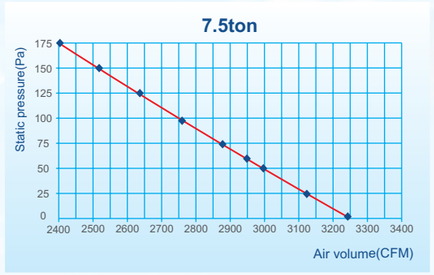
Notes:
The static pressure is recommended to use within shadow, the outer static pressure is availabe, but the user will be obligated risk himself.

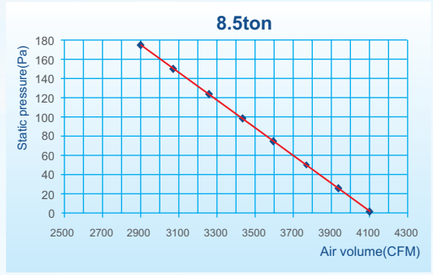
Static pressure chart for air volume

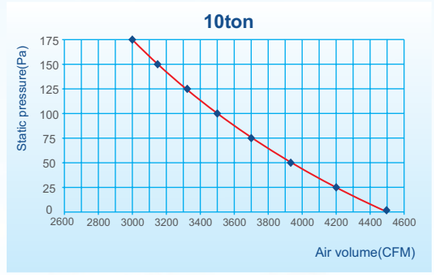
T3 Condition-R410A

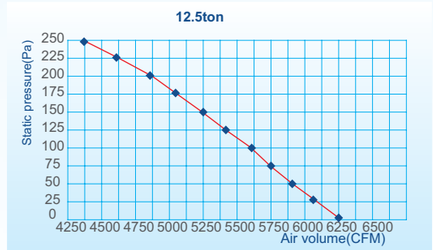


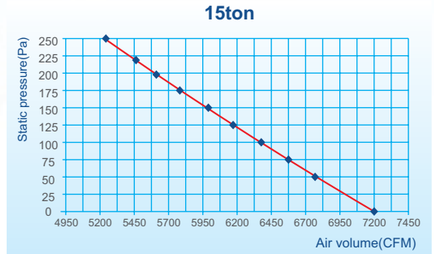


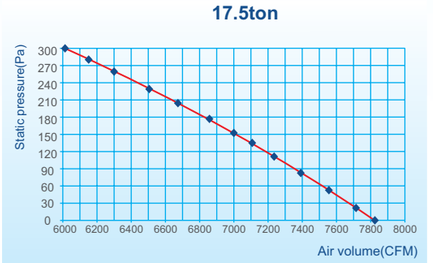


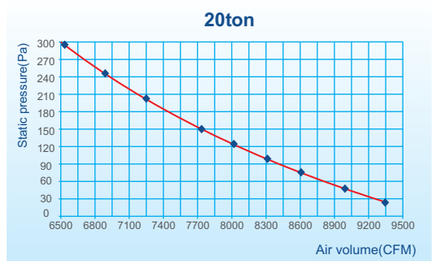


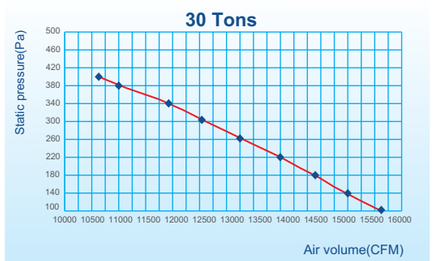












Electrical data

T1 Condition-R22

Model	Power Supply			Compressor				Evaporator fan motor			Condenser fan motor		
	MCA	TOCA	MFA	STC	RNC	IPT	Qty	FLA	IPT	Qty	FLA	IPT	Qty
MRA-24HW-Q	18	15	40	55	12.0	2.45	1	2.8	0.65	1	1.2	0.24	1
MRA-36HW-Q	30	22	70	122	17.4	3.75	1	2.8	0.65	1	1.2	0.24	1
MRA-36HW-R	10	8	25	48	6.8	3.8	1	2.8	0.65	1	1.2	0.24	1
MRA-48HW-R	11	9	30	52	7.2	4.45	1	3.8	0.86	1	1.2	0.24	1
MRA-60HW-R	14	11	40	66	9.3	5.45	1	3.8	0.86	1	1.2	0.26	1
MRC-36HW	25	28	35	19.3	112	3.75	1	1.5	0.33	1	1.2	0.25	1
MRC-36HW-R	9	10	15	6.9	45	3.8	1	1.5	0.33	1	1.2	0.25	1
MRC-48HW-R	12	13	18	8.2	55	4.45	1	3.6	0.76	1	1.2	0.25	1
MRC-60HW-R	14	15	20	9.7	69	5.45	1	3.6	0.76	1	1.2	0.25	1

T3 Condition-R22

Model	Power Supply			Compressor(Each)				Evaporator fan motor(Each)			Condenser fan motor(Each)		
	MCA	TOCA	MFA	STC	RNC	IPT	Qty	FLA(A)	IPT(WK)	Qty	FLA(A)	IPT(WK)	Qty
MRCT-36CW	12	15.8	17	55.5	8.2	3.15	1	2.1	0.48	1	1.17	0.255	1
MRCT-36CW-R	22	28	30	97	17.1	3.09	1	2.1	0.48	1	1.17	0.255	1
MRCT-48CW-R	9.5	10.8	13	41	7.14	4.16	1	4.5	0.99	1	1.17	0.255	1
MRCT-60CW-R	14	18	20	67	10	4.97	1	4.5	0.99	1	1.17	0.255	1
MRBT-062CW-R	37	43	62	39	12.6	7	2	3.6	1.8	1	1.7	0.7	1
MRCT-062EW-R	37	43	62	39	12.6	7	2	3.6	1.8	1	1.7	0.7	1
MRDT-062EW-R	37	43	62	39	12.6	7	2	3.6	1.8	1	1.7	0.7	1
MRBT-075CW-R	30	35	50	58	10	4.6	2	3.6	2.5	1	1.7	1	1
MRCT-075EW-R	30	35	50	58	10	4.6	2	3.6	2.5	1	1.7	1	1
MRDT-075EW-R	30	35	50	58	10	4.6	2	3.6	2.5	1	1.7	1	1
MRBT-075HW-R	30	35	50	58	10	4.6	2	3.6	2.5	1	1.7	1	1
MRBT-085CW-R	28	33	47	55	9.2	5.3	2	3.6	2.2	1	1.7	0.75	1
MRCT-085EW-R	28	33	47	55	9.2	5.3	2	3.6	2.2	1	1.7	0.75	1
MRDT-085EW-R	28	33	47	55	9.2	5.3	2	3.6	2.2	1	1.7	0.75	1
MRBT-100CW-R	28	33	47	58	9.2	5.3	2	3.6	2.2	1	1.7	0.75	1
MRCT-100EW-R	28	33	47	58	9.2	5.3	2	3.6	2.2	1	1.7	0.75	1
MRDT-100EW-R	28	33	47	60	9.2	5.3	2	3.6	2.2	1	1.7	0.75	1
MRBT-100HW-R	28	33	47	74	9.2	5.3	2	3.6	2.2	1	1.7	0.75	1
MRBT-125CW-R	47	54	74	110/74	17.6/9.2	10.1+5.3	2	11.6	6	1	1.7	0.75	2
MRCT-125EW-R	47	54	74	110/74	17.6/9.2	10.1+5.3	2	11.6	6	1	1.7	0.75	2
MRDT-125EW-R	47	54	74	110/74	17.6/9.2	10.1+5.3	2	11.6	6	1	1.7	0.75	2
MRBT-150CW-R	47	54	74	110/74	17.6/9.2	10.1+5.3	2	11.6	6	1	1.7	0.75	2
MRCT-150EW-R	47	54	74	110/74	17.6/9.2	10.1+5.3	2	11.6	6	1	1.7	0.75	2
MRDT-150EW-R	47	54	74	110/74	17.6/9.2	10.1+5.3	2	11.6	6	1	1.7	0.75	2
MRBT-150HW-R	47	54	74	110/74	17.6/9.2	10.1+5.3	2	11.6	6	1	1.7	0.75	2
MRBT-175CW-R	54	62	85	110	15.8	9	2	11.6	5.5	1	2.75	1.3	2
MRCT-175EW-R	54	62	85	110	15.8	9	2	11.6	5.5	1	2.75	1.3	2
MRBT-200CW-R	58	67	94	110	17.6	10.1	2	11.6	6	1	2.75	1.3	2
MRCT-200EW-R	58	67	94	110	17.6	10.1	2	11.6	6	1	2.75	1.3	2
MRDT-200EW-R	58	67	94	110	17.6	10.1	2	11.6	6	1	2.75	1.3	2
MRBT-200HW-R	58	67	94	110	17.6	10.1	2	11.6	6	1	2.75	1.3	2
MRCT-250CW-R	83	95	134	174	25.6	13.6	2	15.4	8	1	3.25	1.7	2
MRCT-250EW-R	83	95	134	174	25.6	13.6	2	15.4	8	1	3.25	1.7	2
MRCT-250HW-R	83	95	134	174	25.6	13.6	2	15.4	8	1	3.25	1.7	2

Notes:

■Voltage imbalance between phases to be <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 Power(kW) **FLA:**Full Load Amps.(A)

T3 Condition-R410A

Model	Power Supply			Compressor				Evaporator fan motor			Condenser fan motor		
	MCA	TOCA	MFA	STC	RNC	IPT	Qty	RNC	IPT	Qty	RNC	IPT	Qty
MRBT-60CWN1-R	19.75	21.5	25	74	11.8	5.2	1	3.5	0.8	1	1.5	0.35	1
MRBT-062CWN1-R	23	29	38	98	14.3	7.185	1	3.7	1.5	1	1.7	0.6	1
MRCT-062EWN1-R	23	29	38	98	14.3	7.185	1	3.7	1.5	1	1.7	0.6	1
MRBT-062HWN1-R	23	29	38	98	14.3	7.185	1	3.7	1.5	1	1.7	0.6	1
MRBT-075CWN1-R	26	32	42	142	16.4	8.47	1	3.7	1.9	1	1.7	0.85	1
MRCT-075EWN1-R	26	32	42	142	16.4	8.47	1	3.7	1.9	1	1.7	0.85	1
MRBT-075HWN1-R	26	32	42	142	16.4	8.47	1	3.7	1.9	1	1.7	0.85	1
MRBT-085CWN1-R	32	39	53	142	20.7	9.5	1	3.4	1.66	1	3.5	1.02	1
MRCT-085EWN1-R	32	39	53	142	20.7	9.5	1	3.4	1.66	1	3.5	1.02	1
MRBT-085HWN1-R	32	39	53	142	20.7	9.5	1	3.4	1.66	1	3.5	1.02	1
MRBT-100CWN1-R	33	40	55	147	29.5	10.8	1	3.7	1.9	1	2.7	1.3	1
MRCT-100EWN1-R	33	40	55	147	29.5	10.8	1	3.7	1.9	1	2.7	1.3	1
MRBT-100HWN1-R	33	40	55	147	29.5	10.8	1	3.7	1.9	1	2.7	1.3	1
MRBT-125CWN1-R													
MRBT-125HWN1-R													
MRBT-150CWN1-R	56	67	89	110	32.8	16.8	2	9.2	4.65	1	1.7	0.85	2
MRCT-150EWN1-R	56	67	89	110	32.8	16.8	2	9.2	4.65	1	1.7	0.85	2
MRBT-150HWN1-R	56	67	89	110	32.8	16.8	2	9.2	4.65	1	1.7	0.85	2
MRBT-175CWN1-R	66	79	108	142	20.7	9.5	2	10.3	5.3	1	2.7	1.3	2
MRCT-175EWN1-R	66	79	108	142	20.7	9.5	2	10.3	5.3	1	2.7	1.3	2
MRBT-175HWN1-R	66	79	108	142	20.7	9.5	2	10.3	5.3	1	2.7	1.3	2
MRBT-200CWN1-R	72	85	115	140	42.8	21.6	2	11.8	5.5	1	3.3	1.7	2
MRCT-200EWN1-R	72	85	115	140	42.8	21.6	2	11.8	5.5	1	3.3	1.7	2
MRBT-200HWN1-R	72	85	115	140	42.8	21.6	2	11.8	5.5	1	3.3	1.7	2
MRCT-300CWN1-R	91	109	146	197	55.2	27.4	2	13	7.0	1	6.5	3.4	2
MRCT-300EWN1-R	91	109	146	197	55.2	27.4	2	13	7.0	1	6.5	3.4	2
MRCT-300HWN1-R	91	109	146	197	55.2	27.4	2	13	7.0	1	6.5	3.4	2

Notes:

■Voltage imbalance between phases to be <2%

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Error code

Error code for 5ton

Type	Content	Code	Remarks
Normal	Standby	--	
Normal	Constraint cooling	On	
Normal	Run	10.	
Error	Compressor phase sequence error or phase failure	E0	Manual reset
Error	Outdoor coil temp. sensor T3-1 error	E1	Manual reset
Error	Outdoor coil temp. sensor T3-2 error	E2	Manual reset
Error	Indoor coil temp. sensor T2-1 error	E5	Manual reset
Error	Indoor coil temp. sensor T2-2 error	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	Overcurrent protection	P0	Auto reset
Protection	Comprehensive protection for outdoor fan	P3	Auto reset
Protection	Protection for hi./lo pressure or exhaust temperature(system 1)	P4	Auto reset
Protection	Protection for hi./lo pressure or exhaust temperature(system 2)	P5	Auto reset
Protection	Protection for high temperature of the outdoor condenser	P8	Auto reset

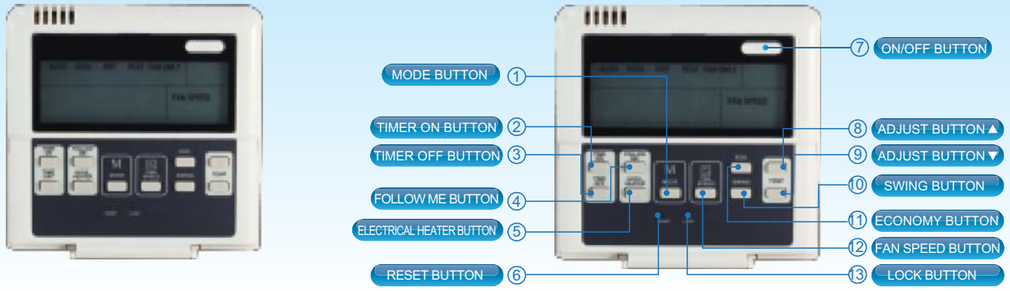
Error code for 6.2ton and above

Type	Content	Code	Remarks
Normal	Standby	--	
Normal	Constraint cooling	On	
Normal	Running	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	Indoor coil temp. sensor in sys. A error	E5	Manual reset
Error	Indoor coil temp. sensor in sys. B error	E6	Manual reset
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	Overcurrent protection in sys. A	P0	Auto reset
Protection	Overcurrent protection in sys. B	P1	Auto reset
Protection	Overcurrent protection for indoor fan	P2	Auto reset
Protection	Comprehensive protection for outdoor fan	P3	Auto reset
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	T2 evaporator Hi-temperature protection stop outdoor unit fan	P6	Auto reset
Protection	T2 evaporator Hi- temperature protection then stop outdoor unit fan and compressor	P7	Auto reset
Protection	Protection for condenser Hi-temp. in sys. A	P8	Auto reset
Protection	Protection for condenser Hi-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

Wired controller is a human-machine interaction(HMI) used for the communication between indoor & outdoor and main board. The setting and operation can be sent to main board and the running condition can be displayed by the wired controller.

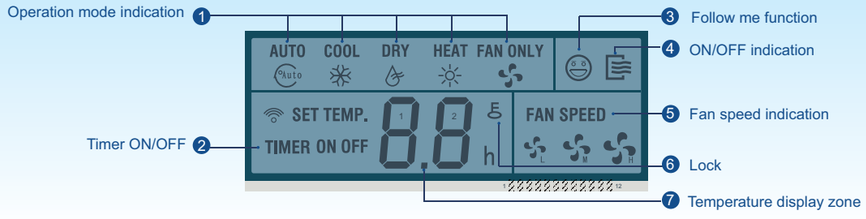
Standard wired conroller:KJR-12B/DP (T)-E



Feature

- Easier to read because LCD screen is larger.
- Digital display lets you set temperature in 1°C units.
- Built in a thermostat sensor that makes more comfortable room temperature control.
- Simply and conveniently select cool/heat/fan operation mode
- Economical operation power supply 5V DC.
- Wide operation temperature from -15°C to +43°C.
- Wide operation humidity from 40% to 90%, RH.
- Timer for rest time.

Name and function of indicators on the controller



Optional wired controller

KJR-23B

For cooling only and cooling with auxiliary heater

KJR-25B

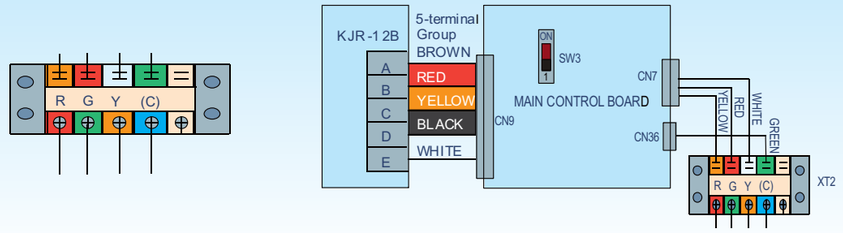
For cooling and heating

Field wiring

To connect with wired controller

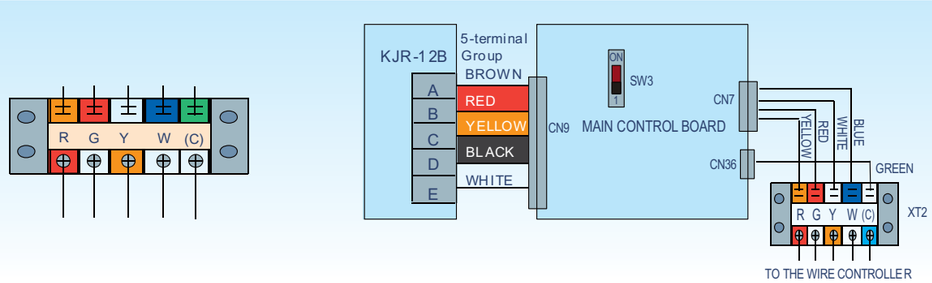
Set the dial code SW3 of PCB in roof-top unit's wired control box as per the wired controller you are in using. After settings, please shut off the power supply and then power to it again, otherwise, the new settings function couldn't work.

For cooling units



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

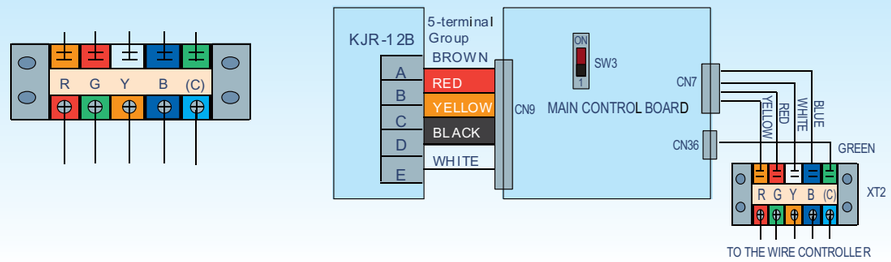
For cooling +EAH units



See the upper figure:

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

For heating & cooling units



See the upper figure:

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

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 12.5 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, 7.94 mm (5/16 inch) 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.