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 UKAS QUALITY MANAGEMENT 068

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

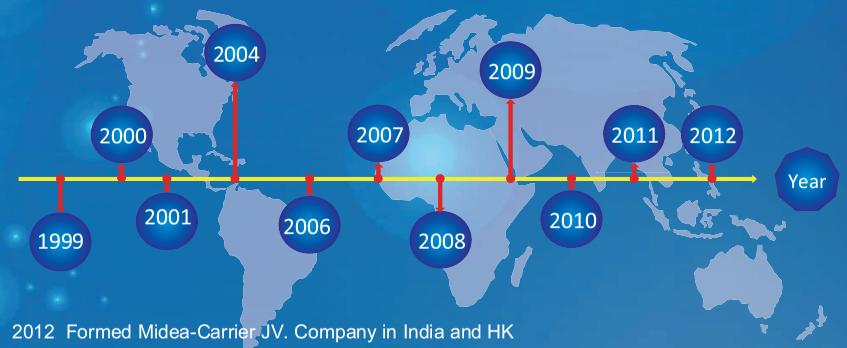
Note:The data in this book may be changed without notice for further improvement on quality and performance.

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.

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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

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

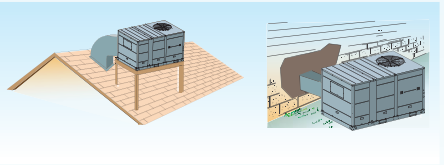
The rational design of Midea reduces the risk of defects, while the high efficiency allows saving on energy consumption and therefore on system costs. Midea is therefore the ideal solution for all applications in the residential, tertiary and industrial sectors with simultaneous heating and cooling load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

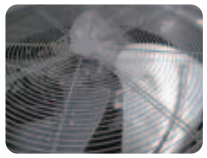
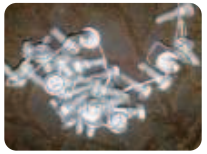


Easy to install, service and maintain

- 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.

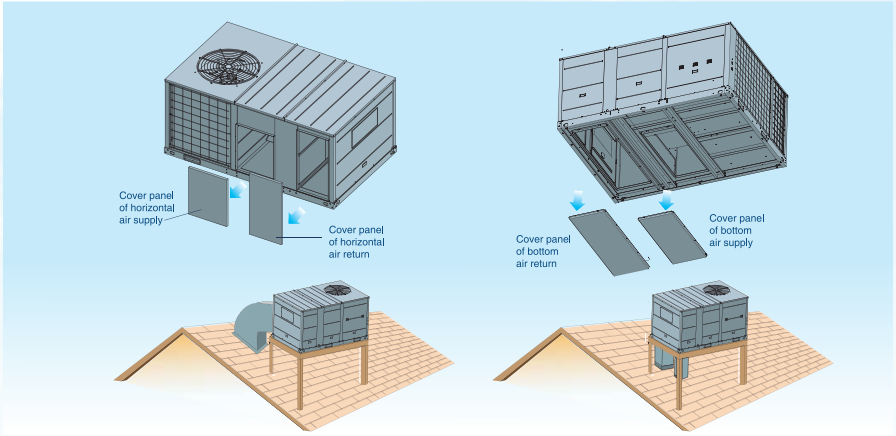




External pressure gauge ports

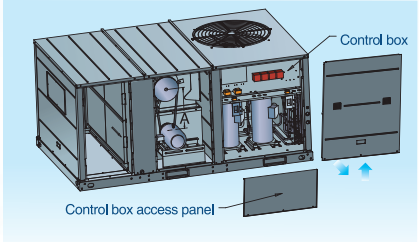
To external pressure gauge ports, which are permanently identified embossed wording that clearly identifies the compressor circuit, high pressure connection and low pressure connection. With the gauge ports mounted externally, an accurate diagnostic of system operation can be performed quickly and easily 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.

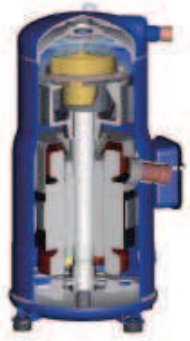


Easy access doors



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

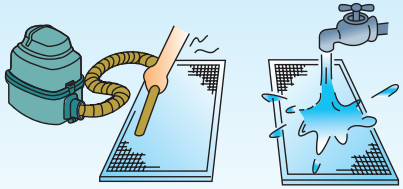
Well compressor control



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.

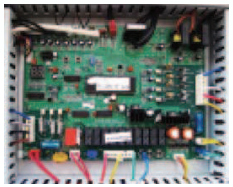
Recyclable and washable filter

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



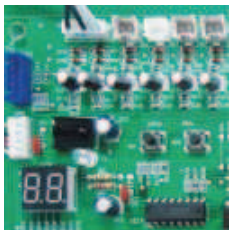
Easy drainage

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.

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 Refrigerant oil charge	Btu/h	35000	35000	46600	56000
		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.