

1R202506



DISCOVER
easyCOMFORT

Midea Group
Midea Building Technologies Division

Creator 6.2-30 Ton202506

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Rooftop Package Creator 6.2-30 Ton

2025

MBT

Midea Building Technologies (MBT) is a key division of the Midea Group, a leading provider of comprehensive, intelligent-building solutions including energy sources, elevators, control systems and heating, ventilation and air conditioning.

Built on a foundation of innovation, Midea has emerged as a global leader in the HVAC and building management industry. Our unwavering dedication to research and development coupled with an extensive network of global partners has given birth to cutting-edge technologies that provide innovative solutions to our customers around the world.

Committed to providing users with intelligent, digital, low carbon overall building solution

Midea Building Tech.

HVAC

Elevator

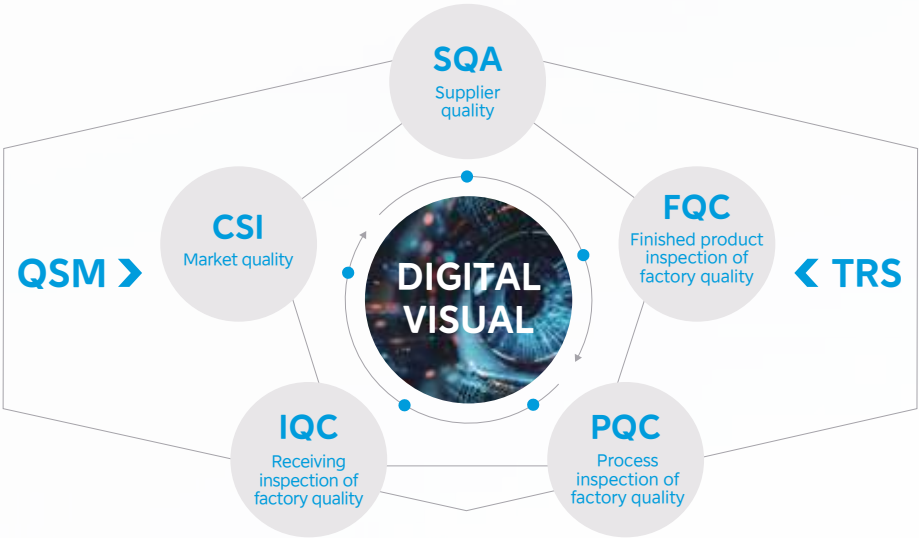
Building Intelligence

Energy Management

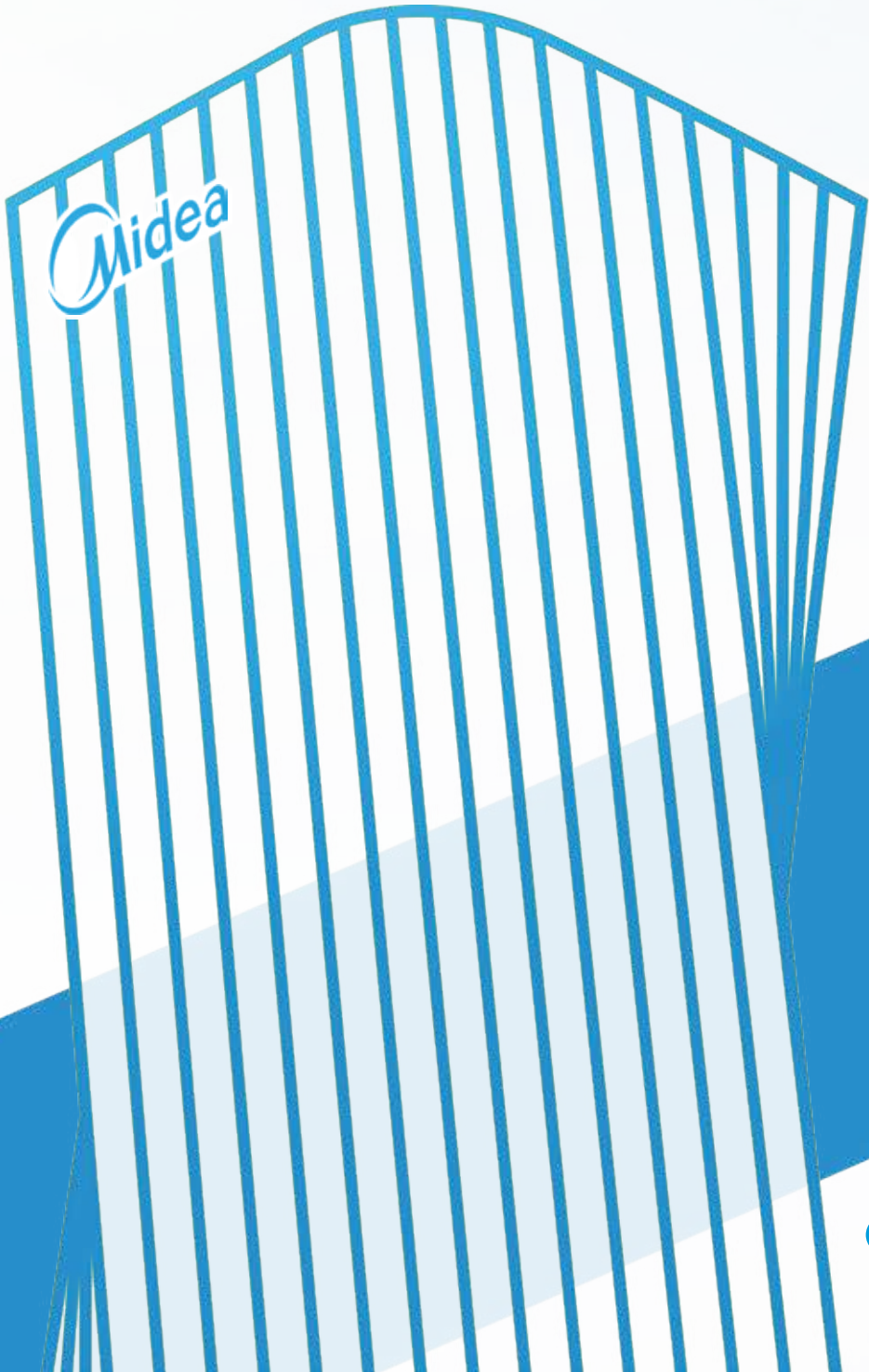
Over 100 testing labs cover a wide range of real application scenarios.



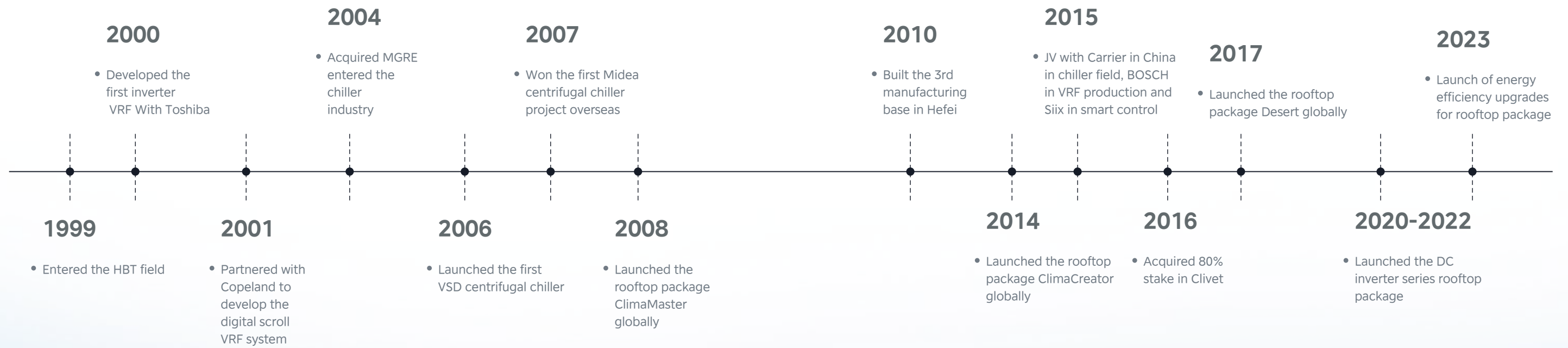
All products can be visualized and digitalized throughout entire process.



4 global manufacturing locations assure timely delivery with less sensitivity to supply chain interruption.



Midea MBT



GLOBAL BULK WAREHOUSE LAYOUT OVERVIEW

Available Spare Parts centers 30

Europe (10):

Italy/Germany/France/UK/Spain/Poland/Hungary/Greece/Turkey/Romania

Asia-Africa (10):

China/Russia/Georgia/UAE/Egypt/Uzbekistan/India/South Africa/Iraq/Qatar

Latin America (5):

Mexico/Puerto Rico/Venezuela/Brazil/Australia

South-East Asia (5):

Vietnam/Thailand/Malaysia/Indonesia/Philippines



INTERNATIONAL SERVICE MANAGEMENT

Our International Service Management (ICS) system provides customers with professional technical support. Through ICS, you can download product information/documentation, get help with technical questions and troubleshooting, submit complaints and order parts using our self-service interface.

Q >

https://ics.midea.com



My order

Inquire about spare parts from an exploded view and place orders for spare parts directly in ICS.

Document inquiry and download

View or download product technical documentation online, such as catalogs, images, training PPTs and other assets.

Technical inquiry & FAQ

Ask technical questions online and receive a prompt response from our technicians or browse the FAQ for answers to commonly asked questions.

Troubleshooting

Query the error code and solution by SN, model name, error code or product type.

Complain

Submit product quality complaints online, and our after-sales engineers will respond promptly.

MOBILE INTELLIGENCE SERVICE APP

The Mobile Intelligence Service App (MISA) is the mobile version of ICS and features the same functionality. MISA often makes getting technical support timelier and more convenient.

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Product lineups

Nominal ton*	7.5	10	12.5/15	17.5/20	25/30
Heat pump 380-415V-3N~ 50Hz					

Nominal ton*	6.2/7.5	8.5/10	12.5/15	17.5/20	25/30
Cooling only 380-415V-3N~ 50Hz					

Nominal ton*	7.5	10	15	20	25/30
Cooling only 220V 3N ~ 60Hz					

Nominal ton*	20	25/30
Cooling only 460V 3N ~ 60Hz		

Notes:
1. * Nominal ton only for reference.
2. Cooling or heating capacity as per specifications.

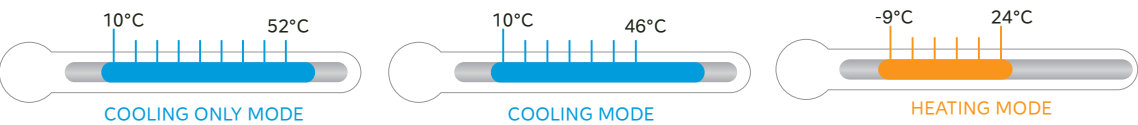
WIDE APPLICATION RANGE

Wide Application Range

- Wide cooling capacity range from 6.2 to 30 tons.
- Heat pump and cooling only products are available.

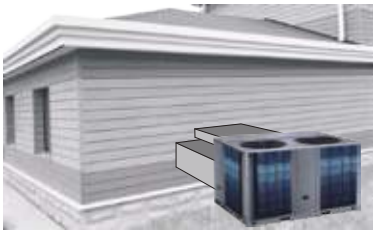
Wide Operation Range

- Creater series rooftop package units can operate stably in a wide ambient temperature range.
- Cooling only type from 10°C to 52°C in cooling mode.
- Heat pump type from 10°C to 46°C in cooling mode and from -9°C to 24°C in heating mode.



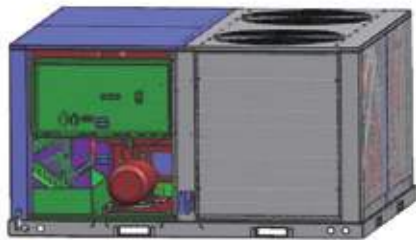
Design Flexibility

- Vertical side-discharge structure design.
- Flanges of air flow inlet and outlet as standard.
- It is suitable for installation on rooftop and ground.



Convenient for wires connection

- Vertical side-discharge structure design.
- Flanges of air flow inlet and outlet as standard.
- It is suitable for installation on rooftop and ground.



EASY SERVICE

Easily Connect The Drainage Pipe

- Reserved external drainage port, quickly and accurately connect the rubber drainage pipe.



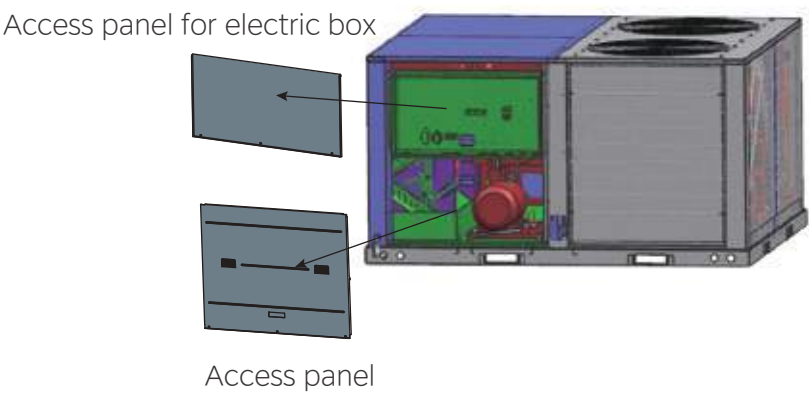
External Pressure Gauge Ports

The unit provides external pressure gauge ports for convenient and fast checking system pressure without removing the panel. (Only for 7.5Ton-15Ton)



Easy Access Doors Design

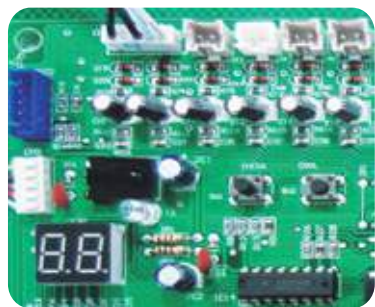
- Removable the access doors on the filter, fan motor, and electric box sections.
- Provide convenient access to system components for maintenance and service.



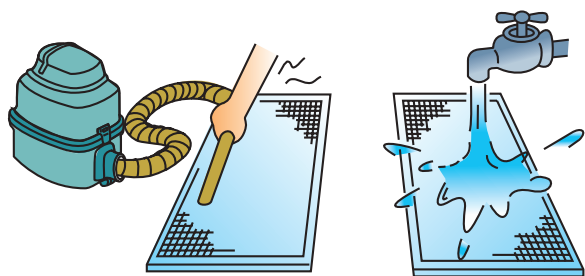
EASY SERVICE

System Self-Diagnostic

- Press the 'Check' button, the LED display in PCB board of the unit will display the normal checking code.
- If the unit is in running with abnormal operation, the LED display will show the error code.



Washable Filter



Durable Construction

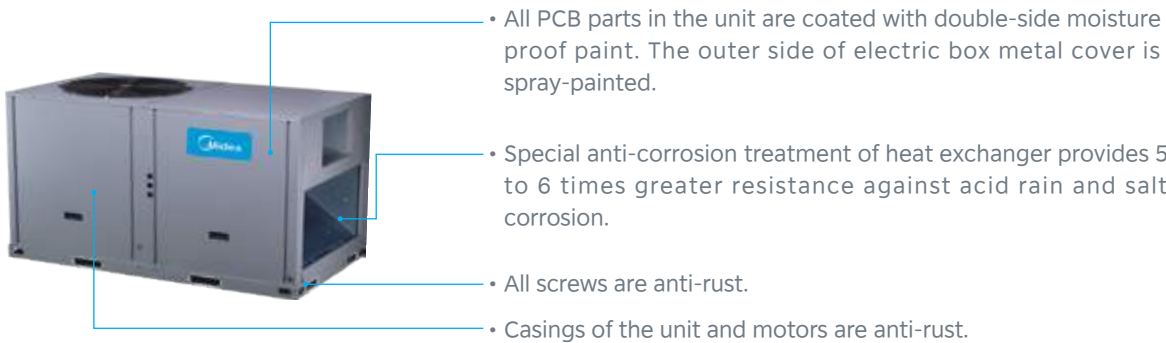
- Pre-painted exterior cabinet panels pass 500 hours Salt Spray Test for durability.
- Weather-resistant construction with capped steams and sloped top panels.
- G90 galvanized heavy gauge plate conforming to ASTM-A-653.



OUTSTANDING RELIABILITY

Customized Anti-corrosion Treatment

- The rooftop package air conditioners with special anti-corrosion treatment are suitable for seaside areas or the areas exposed to acidic substances.



Reliable Scroll Compressor

- Famous brand compressor: Copeland, Hitachi, Danfoss, etc.. More reliable.
- No complex internal suction and discharge valves for quieter operation and higher reliability.
- Compact, light-weight, and fewer moving parts design.



Multi-protection Design

- Multiply measures to ensure units operate normally and reliably: System current protection, High/low pressure protection, Temperature sensor protection, etc.
- Three-phase protector can be customized.



HP/LP switch

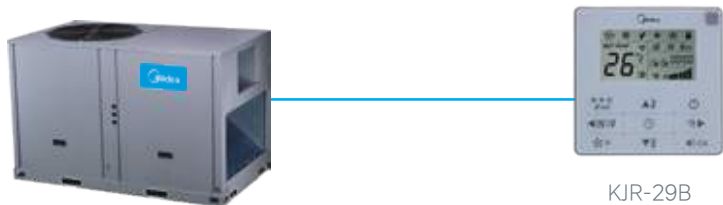


Temperature sensor

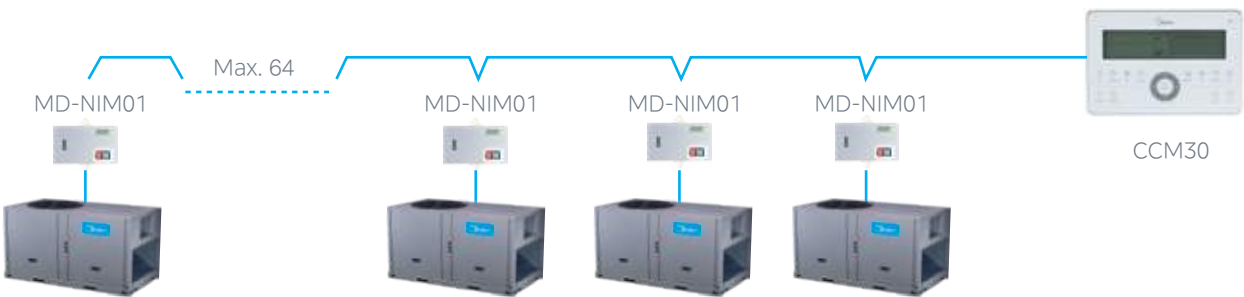
FLEXIBLE CHOISE OF ACCESSORIES

Controllers

- Wired controller as standard.
- Besides standard wired controller, others can be chosen too.



- Other brand thermostat can be matched as optional solution.
- Centralized control function can be achieved through the centralized controller as optional. MD-NIM01 should be connected between rooftop package units and centralized controller.



Accessories

Description	Creator series	
	Standard accessories	Optional accessories
Filter		●
Outlet drainage	●	
Snap ring	●	
Drainage pipe	●	
Anti-corrosion fin		●
EHK (Electric Heater Kits)		●
Network interface module		●
Three-phase protector		●

MECHANICAL SPECIFICATION

General

All units are 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. Internal wiring is colored and numbered for simplified identification. The unit is provided with an integral weather resistant control panel.

Casing

Unit casing is constructed of Zinc coated, heavy gauge, galvanized steel. Exterior surfaces are cleaned, G90 galvanized heavy gauge plate conforming to ASTM A653, followed by baked on electrostatic polyester dry powder coat paint on all external panels, completely weatherized for outdoor installation and propely reinforced and brazed. Salt Spray Test for steel sheet under 1000 hours, specially treated can be up to 2000 hours and even more. Cabinet contruction allows for all maintenance. Service panels can be easily removed and reassembled. All panels and top covers indoor side of the unit are insulated with 16mm, foam-faced, closed-cell insulation. The unit has provisions for forklift and crane lifting, with forklift capabilities on four sides of the unit.

Compressors

All units have direct-drive, hermetic, scroll type compressors with centrifugal type oil pump. Motor is suction gas-cooled and has a voltage utilization range of plus or minus 10 percent of unit nameplate voltage. Internal overloads are provided with the scroll compressors. The compressors, incorporating a built-in muffler, are mounted on spring 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 applicaitons.

Controls

The unit is completely factory-wired with necessary controls and terminal block for power wiring. The unit provides an external location for mounting a fused disconnect device. Microprocessor controls provide for all 24V control functions. The precision control makes 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 micro-processor provides a higher level of machine protection.

Coils

Internally finned, copper tubes mechanically bonded to a configured hydrophilic aluminum fin is standard. Coils are leak tested under 3100KPa (450 psig) at the factory to ensure the pressure integrity.

Electronic Thermostats

General information: A dedicated electronic thermostat is supplied with unit controls as standard. The thermostat normally displays room temperature and mode of operation. It also allows to select continuous fan operation, or has the fan on intermittent operation with the equipment. Finally, it displays the status of unit, thus providing maximum information for the user.

Specifications

Heat pump, 380-415V 3N~ 50Hz

7.5RT



10RT



12.5RT



Nominal ton*			7.5	10	12.5
Model			MRC-075HWN1-R(C)	MRC-100HWN1-R(C)	MRC-125HWN1-R(C)
Cooling	Capacity	Btu/h	89,000	120,000	150,000
		kW	26.0	35.0	44.0
	Input	kW	7.9	10.7	13.3
	EER	Btu/h.W	11.3	11.2	11.3
Heating	Capacity	Btu/h	103,000	137,000	154,000
		kW	30.0	40.0	45.0
	Input	kW	8.9	11.9	13.2
	EER	Btu/h.W	11.6	11.5	11.7
Air flow	Indoor side	CFM	2,830	3,900	5,500
External static pressure		Pa	Default: 80; 0 - 250	Default: 90; 0 - 250	Default: 110; 0 - 275
Max. power input		kW	12	16	19,7
Max. current		A	24.8	28.8	38.2
Compressor	Type / Quantity		Scroll / 1	Scroll / 2	Scroll / 2
	Brand		Danfoss	Hitachi	Copeland
Indoor fan	Type / Drive type		Centrifugal / Direct	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-25B	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller (Optional)			Yes	Yes	Yes
REfrigerant	Type		R410A	R410A	R410A
	Control		Throttle valve	Throttle valve	Throttle valve
	Charged	kg	4.8	2.9+2.9	3.4+2.1
		lbs	10.56	6.38+6.38	7.48+4.62
Sound pressure level		dB(A)	72.1	71.5	71.8
Ambient temperature	Cooling		10°C - 46°C	10°C - 46°C	10°C - 46°C
	Heating		-9°C - 24°C	-9°C - 24°C	-9°C - 24°C
Dimension	Net (W×H×D)		1,475×840×1,130	1,483×1,138×1,231	1,965×1,230×1,130
	Packing (W×H×D)		1,495×870×1,150	1,500×1,255×1,155	1,995×1,255×1,160
Weight	Net / Gross	kg	244/249	343/354	451/471

Notes:
1. Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Heating capacity test condition (2): Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB;
2. Units are suitable for operation to ±20% of nominal CFM;
3. Sound values are measured in a semi-anechoic room, at a positon 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
4. Specifications are subject to change without prior notice for product improvement.
5. * Nominal ton only for reference.
6. Cooling or heating capacity as per specifications.

Specifications

Heat pump, 380-415V 3N~ 50Hz

15RT



17.5RT & 20RT



25RT & 30RT



Nominal ton*			15	17.5	20	25	30
Model			MRC-150HWN1-R(C)	MRC-175HWN1-R(C)	MRC-200HWN1-R(C)	MRC-250HWN1-R(C)	MRC-300HWN1-R(C)
Cooling	Capacity	Btu/h	180,000	208,000	240,000	300,000	335,000
		kW	53.0	61.0	70.0	88.0	98.0
	Input	kW	16.7	19.1	22.6	28.9	32.8
	EER	Btu/h.W	10.8	10.9	10.6	10.4	10.2
Heating	Capacity	Btu/h	191,000	218,000	260,000	330,000	380,000
		kW	56.0	64.0	76.2	97.0	111.5
	Input	kW	17.2	19.5	23.6	30.3	36.5
	EER	Btu/h.W	11.1	11.2	11.0	10.9	10.4
Air flow	Indoor side	CFM	7,000	7,600	8,800	10,000	11,200
External static pressure		Pa	Default: 110; 0 - 325	Default: 110; 0 - 250	Default: 120; 0 - 375	Default: 130; 0 - 350	Default: 270; 25 - 400
Max. power input		kW	25.0	27.0	32.5	38.5	49.5
Max. current		A	46.1	55.4	63.2	74.3	81.7
Compressor	Type / Quantity		Scroll / 2	Scroll / 2	Scroll / 2	Scroll / 2	Scroll / 2
	Brand		Copeland	Copeland	Copeland	Danfoss	Danfoss
Indoor fan	Type / Drive type		Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller (Optional)			Yes	Yes	Yes	Yes	Yes
REfrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Control		Throttle valve	Throttle valve	Throttle valve	Capillary	Capillary
	Charged	kg	6.1+3.0	5.8+5.8	6.9+6.9	8.7+8.7	10+10
		lbs	13.42+6.6	12.76+12.76	15.18+15.18	19.14+19.14	22+22
Sound pressure level		dB(A)	76.9	76.0	75.3	76.8	77.9
Ambient temperature	Cooling		10°C - 46°C	10°C - 46°C	10°C - 46°C	10°C - 46°C	10°C - 46°C
	Heating		-9°C - 24°C	-9°C - 24°C	-9°C - 24°C	-9°C - 24°C	-9°C - 24°C
Dimension	Net (W×H×D)		1,965×1,230×1,130	1,670×1,247×2,192	1,670×1,247×2,192	2,320×1,245×2,220	2,320×1,245×2,220
	Packing (W×H×D)		1,995×1,255×1,160	1,695×1,284×2,212	1,695×1,284×2,212	2,330×1,275×2,230	2,330×1,275×2,230
Weight	Net / Gross	kg	492/512	615/645	690/720	940/970	970/1000

Notes:
1. Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Heating capacity test condition (2): Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB;
2. Units are suitable for operation to ±20% of nominal CFM;
3. Sound values are measured in a semi-anechoic room, at a positon 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
4. Specifications are subject to change without prior notice for product improvement.
5. * Nominal ton only for reference.
6. Cooling or heating capacity as per specifications.

Specifications

Cooling only, 380-415V 3N~ 50Hz

6.2RT & 7.5RT



Nominal ton*			6.2	7.5
Model			MRCT-062CWN1-R(C)	MRCT-075CWN1-R(C)
Cooling1	Capacity (1)	Btu/h	75,000	89,000
		kW	22.0	26.0
	Input (1)	kW	6.6	7.9
	EER (1)	Btu/h.W	11.4	11.3
Cooling2	Capacity (2)	Btu/h	61,400	69,600
		kW	18.0	20.4
	Input (2)	kW	7.8	9.0
	EER (2)	Btu/h.W	7.9	7.8
Air flow	Indoor side	CFM	2,800	2,830
External static pressure		Pa	Default: 80; 0 - 250	Default: 80; 0 - 250
Max. power input		kW	9.0	13.6
Max. current		A	19.3	27.2
Compressor	Type / Quantity		Scroll / 1	Scroll / 1
	Brand		Copeland	Danfoss
Indoor fan	Type / Drive type		Centrifugal / Direct	Centrifugal / Direct
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct
Wired controller			KJR-25B	KJR-25B
Centralized controller (Optional)			Yes	Yes
REfrigerant	Type		R410A	R410A
	Control		Throttle valve	Throttle valve
	Charged	kg	4	3.7
		lbs	8.8	8.14
Sound pressure level		dB(A)	71.0	71.5
Ambient temperature			10°C - 52°C	10°C - 52°C
Dimension	Net (W×H×D)		1,475×840×1,130	1,475×840×1,130
	Packing (W×H×D)		1,495×870×1,150	1,495×870×1,150
Weight	Net / Gross	kg	223/228	231/236

Notes:
1. Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Cooling capacity test condition (2): Outdoor ambient temperature: 46.1°C, indoor temperature 26.7°C DB / 19.4°C WB;
2. Units are suitable for operation to ±20% of nominal CFM;
3. Sound values are measured in a semi-anechoic room, at a positon 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
4. Specifications are subject to change without prior notice for product improvement.
5. * Nominal ton only for reference.
6. Cooling capacity as per specifications.

Specifications

Cooling only, 380-415V 3N~ 50Hz

8.5RT & 10RT



12.5RT & 15RT



Nominal ton*			8.5	10	12.5	15
Model			MRCT-085CWN1-R(C)	MRCT-100CWN1-R(C)	MRCT-125CWN1-R(C)	MRCT-150CWN1-R(C)
Cooling	Capacity (1)	Btu/h	102,000	120,000	150,000	180,000
		kW	30.0	35.0	44.0	53.0
	Input (1)	kW	9.2	10.7	13.3	16.7
	EER (1)	Btu/h.W	11.1	11.2	11.3	10.8
	Capacity (2)	Btu/h	80,700	100,200	125,400	146,000
		kW	23.7	29.4	36.8	42.8
	Input (2)	kW	10.3	12.6	16.1	18.7
	EER (2)	Btu/h.W	7.9	8.0	7.8	7.8
Air flow	Indoor side	CFM	3,500	4,100	5,500	7,000
External static pressure		Pa	Default: 80; 0 - 200	Default: 90; 0 - 250	Default: 110; 0 - 275	Default: 110; 0 - 325
Max. power input		kW	14.8	18.0	21.0	25.0
Max. current		A	29.2	34.1	41.2	48.0
Compressor	Type / Quantity		Scroll / 1	Scroll / 1	Scroll / 2	Scroll / 2
	Brand		Copeland	Copeland	Copeland	Copeland
Indoor fan	Type / Drive type		Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-25B	KJR-25B	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller (Optional)			Yes	Yes	Yes	Yes
REfrigerant	Type		R410A	R410A	R410A	R410A
	Control		Throttle valve	Capillary	Throttle valve	Throttle valve
	Charged	kg	4.2	4.6	2.8+1.7	4.9+2.25
		lbs	9.24	10.12	6.16+3.74	10.78+4.95
Sound pressure level		dB(A)	71.7	72.4	71.8	75.5
Ambient temperature			10°C - 52°C	10°C - 52°C	10°C - 52°C	10°C - 52°C
Dimension	Net (W×H×D)		1,483×1,231×1,138	1,483×1,231×1,138	1,965×1,230×1,130	1,965×1,230×1,130
	Packing (W×H×D)		1,500×1,255×1,155	1,500×1,255×1,155	1,995×1,255×1,160	1,995×1,255×1,160
Weight	Net / Gross	kg	302/313	323/335	433/453	470/490

Notes:
1. Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Cooling capacity test condition (2): Outdoor ambient temperature: 46.1°C, indoor temperature 26.7°C DB / 19.4°C WB;
2. Units are suitable for operation to ±20% of nominal CFM;
3. Sound values are measured in a semi-anechoic room, at a positon 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
4. Specifications are subject to change without prior notice for product improvement.
5. * Nominal ton only for reference.
6. Cooling capacity as per specifications.

Specifications

Cooling only, 380-415V 3N~ 50Hz

17.5RT & 20RT



25RT & 30RT



Nominal ton*			17.5	20	25	30
Model			MRCT-175CWN1-R(C)	MRCT-200CWN1-R(C)	MRCT-250CWN1-R(C)	MRCT-300CWN1-R(C)
Cooling	Capacity (1)	Btu/h	208,000	240,000	300,000	360,000
		kW	61.0	70.0	87.0	105.0
	Input (1)	kW	19.1	22.6	28.0	34.3
	EER (1)	Btu/h.W	10.9	10.6	10.7	10.5
	Capacity (2)	Btu/h	181,100	199,200	251,700	336,300
		kW	53.1	58.4	73.8	98.6
	Input (2)	kW	22.6	25.1	32.0	41.8
	EER (2)	Btu/h.W	8.0	7.9	7.9	8.0
Air flow	Indoor side	CFM	7,600	8,800	10,000	12,000
External static pressure		Pa	Default: 110; 0 - 250	Default: 120; 0 - 375	Default: 130; 0 - 350	Default: 270; 0 - 400
Max. power input		kW	26.5	33.0	40.5	49.5
Max. current		A	55.0	66.9	77.4	94.1
Compressor	Type / Quantity		Scroll / 2	Scroll / 2	Scroll / 2	Scroll / 2
	Brand		Copeland	Copeland	Danfoss	Danfoss
Indoor fan	Type / Drive type		Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller			Yes	Yes	Yes	Yes
REfrigerant	Type		R410A	R410A	R410A	R410A
	Control		Throttle valve	Throttle valve	Capillary	Capillary
	Charged	kg	3.7+3.7	5.65+5.65	6+6	7.6+7.6
		lbs	8.14+8.14	12.43+12.43	13.2+13.2	16.72+16.72
Sound pressure level		dB(A)	75.0	75.3	76.8	77.9
Ambient temperature			10°C - 52°C	10°C - 52°C	10°C - 52°C	10°C - 52°C
Dimension	Net (W×H×D)		1,670×1,247×2,192	1,670×1,247×2,192	2,320×1,245×2,220	2,320×1,245×2,220
	Packing (W×H×D)		1,695×1,284×2,212	1,695×1,284×2,212	2,330×1,275×2,230	2,330×1,275×2,230
Weight	Net / Gross	kg	590/620	670/700	895/925	910/940

Notes:
1. Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Cooling capacity test condition (2): Outdoor ambient temperature: 46.1°C, indoor temperature 26.7°C DB / 19.4°C WB;
2. Units are suitable for operation to ±20% of nominal CFM;
3. Sound values are measured in a semi-anechoic room, at a position 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
4. Specifications are subject to change without prior notice for product improvement.
5. * Nominal ton only for reference.
6. Cooling capacity as per specifications.

Specifications

Cooling only, 220V 3N~ 60Hz

7.5RT



10RT



15RT



Nominal ton*			7.5	10	15
Model			MRCT-075CWN1-D(C)	MRCT-100CWN1-D(C)	MRCT-150CWN1-D(C)
Cooling	Capacity (1)	Btu/h	89,000	120,000	180,000
		kW	26,100	35,200	52,800
	Input (1)	kW	7,876	10,714	16,667
	EER (1)	Btu/h.W	11.3	11.2	10.8
Air flow	Indoor side	CFM	2,700	4,120	6,450
External static pressure		Pa	Default: 80; 0 - 250	Default: 90; 0 - 250	Default: 110; 0 - 325
Max. power input		kW	11,300	17,500	25,000
Max. current		A	42.2	52.3	78.1
Compressor	Type / Quantity		Scroll / 1	Scroll / 1	Scroll / 2
	Brand		Copeland	Copeland	Copeland
Indoor fan	Type / Drive type		Centrifugal / Direct	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-25B	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller (Optional)			Yes	Yes	Yes
REfrigerant	Type		R410A	R410A	R410A
	Control		Throttle valve	Throttle valve	Throttle valve
	Charged	kg	3.8	4.1	2.2+4.6
		lbs	8.36	9.02	4.84+10.12
Sound pressure level		dB(A)	75.6	75.7	76.8
Ambient temperature			10°C - 52°C	10°C - 52°C	10°C - 52°C
Dimension	Net (W×H×D)		1,475×840×1,130	1,483×1,231×1,138	1,965×1,230×1,130
	Packing (W×H×D)		1,495×870×1,150	1,500×1,255×1,155	1,995×1,255×1,160
Weight	Net / Gross	kg	235/240	325/335	470/485

Notes:
1. Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
2. Units are suitable for operation to ±20% of nominal CFM;
3. Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and (1 meter + height of unit)/2 above the floor.
4. Specifications are subject to change without prior notice for product improvement.
5. * Nominal ton only for reference.
6. Cooling capacity as per specifications.

Specifications

Cooling only, 220V 3N~ 60Hz

20RT



25RT & 30RT



Nominal ton*			20	25	30
Model			MRCT-200CWN1-D(C)	MRCT-250CWN1-D(C)	MRCT-300CWN1-D(C)
Cooling	Capacity (1)	Btu/h	240,000	300,000	360,000
		kW	70,300	87,900	105,500
	Input (1)	kW	22,642	28,037	36,000
	EER (1)	Btu/h.W	10.6	10.7	10
Air flow	Indoor side	CFM	8,580	11,138	11,000
External static pressure		Pa	Default: 120; 0 - 400	Default: 250; 125 - 450	Default: 270; 0 - 500
Max. power input		kW	36,000	45,000	50,100
Max. current		A	111.3	139.3	155.2
Compressor	Type / Quantity		Scroll / 2	Scroll / 2	Scroll / 2
	Brand		Copeland	Copeland	Danfoss
Indoor fan	Type / Drive type		Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller (Optional)			Yes	Yes	Yes
REfrigerant	Type		R410A	R410A	R410A
	Control		Throttle valve	Capillary	Capillary
	Charged	kg	5.4+5.4	6.7+6.7	7.1+7.1
		lbs	11.88+11.88	14.74+14.74	15.62+15.62
Sound pressure level		dB(A)	78.3	79.2	79.7
Ambient temperature			10°C - 52°C	10°C - 52°C	10°C - 52°C
Dimension	Net (W×H×D)		1,670×1,247×2,192	2,320×1,245×2,220	2,220x1,245x2,320
	Packing (W×H×D)		1,695×1,284×2,212	2,330×1,275×2,230	2,230x1,275x2,330
	Net / Gross	kg	670/700	895/925	940/970

Weight
Notes:
1. Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
2. Units are suitable for operation to ±20% of nominal CFM;
3. Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and (1 meter + height of unit)/2 above the floor.
4. Specifications are subject to change without prior notice for product improvement.
5. * Nominal ton only for reference.
6. Cooling capacity as per specifications.

Specifications

Cooling only 460V 3N~ 60Hz

20RT



25RT & 30RT



Nominal ton*			20	25	30
Model			MRCT-200CWN1-Z(C)	MRCT-250CWN1-Z(C)	MRCT-300CWN1-Z(C)
Power supply			460V 3N~60Hz	460V 3N~60Hz	460V 3N~60Hz
Cooling	Capacity (1)	Btu/h	240,000	300,000	360,000
		kW	70.3	87.9	105.5
	Input (1)	kW	23.6	33.0	37.9
	EER (1)	Btu/h.W	10.2	9.1	9.5
Air flow	Indoor side	CFM	8,300@120Pa	11,500@130Pa	11,000@270pa
External static pressure		Pa	Default: 120; 0 - 400	Default: 250; 125 - 450	Default: 270; 0 - 400
Max. power input		kW	36.0	45.0	46.8
Max. current		A	60.8	66.2	150
Compressor	Type		Scroll	Scroll	Scroll
	Quantity		2	2	2
Indoor fan	Type / Drive type		Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt
	Quantity		1	1	1
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct
	Quantity		2	2	2
Wired controller			KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller (Optional)			Yes	Yes	Yes
REfrigerant	Type		R410A	R410A	R410A
	Control		Throttle valve	Capillary	Capillary
	Charged	kg	5.4+5.4	6.1+6.1	7.6+7.6
		lbs	11.88+11.88	13.42+13.42	16.72+16.72
Sound pressure level		dB(A)	78.3	79.2	77.9
Ambient temperature			10°C - 52°C	10°C - 52°C	10°C - 52°C
Dimension	Net (W×H×D)		2,192x1,247x1,670	2,220x1,245x2,320	2,220x1,245x2,320
	Packing (W×H×D)		2,212x1,284x1,695	2,230x1,275x2,330	2,230x1,275x2,330
Weight	Net / Gross	kg	670/700	895/925	940/970

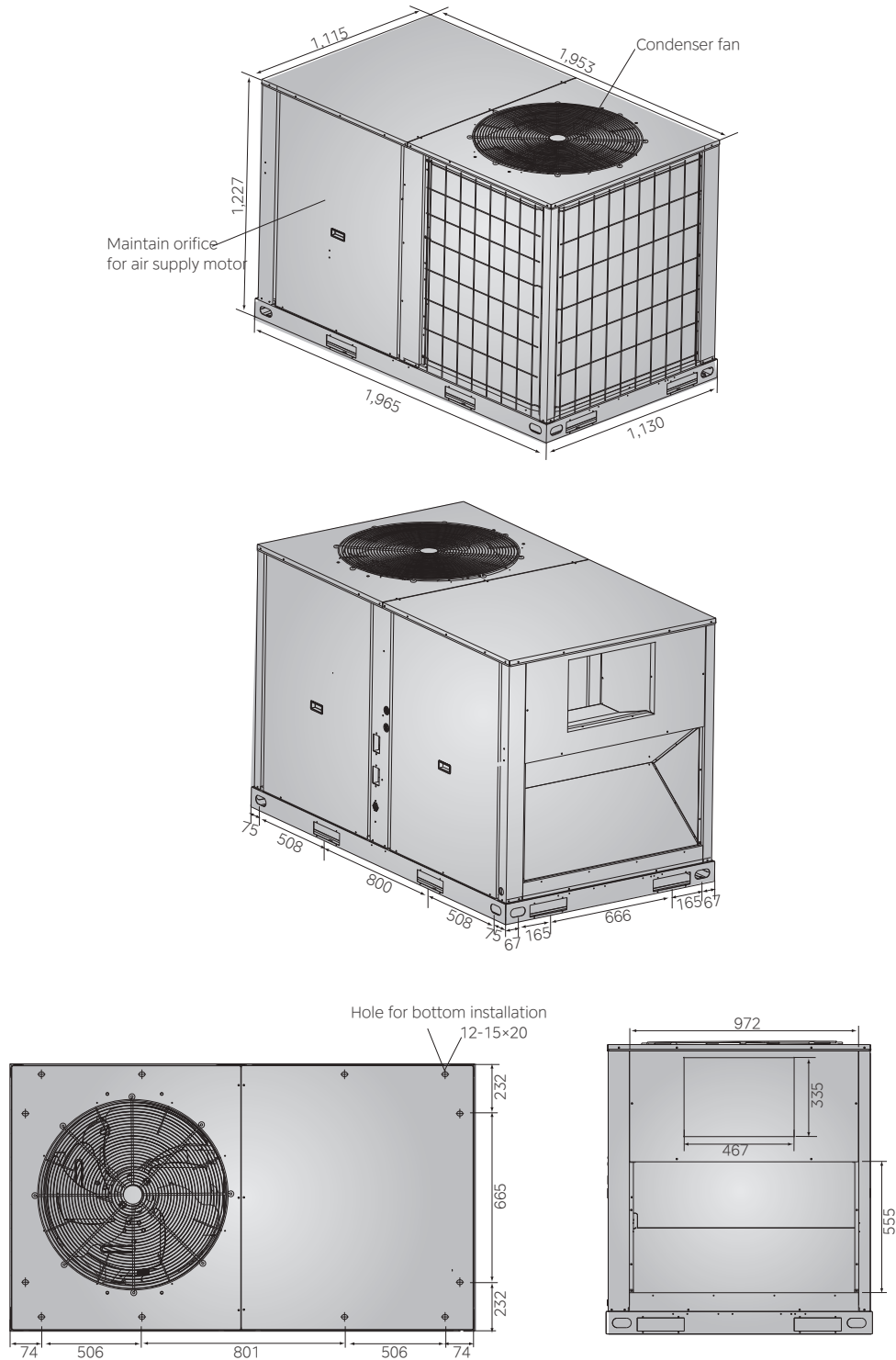
Notes:
1. Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
2. Units are suitable for operation to ±20% of nominal CFM;
3. Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and (1 meter + height of unit)/2 above the floor.
4. Specifications are subject to change without prior notice for product improvement.
5. * Nominal ton only for reference.
6. Cooling capacity as per specifications.

6.2RT & 7.5RT
(Units: mm)



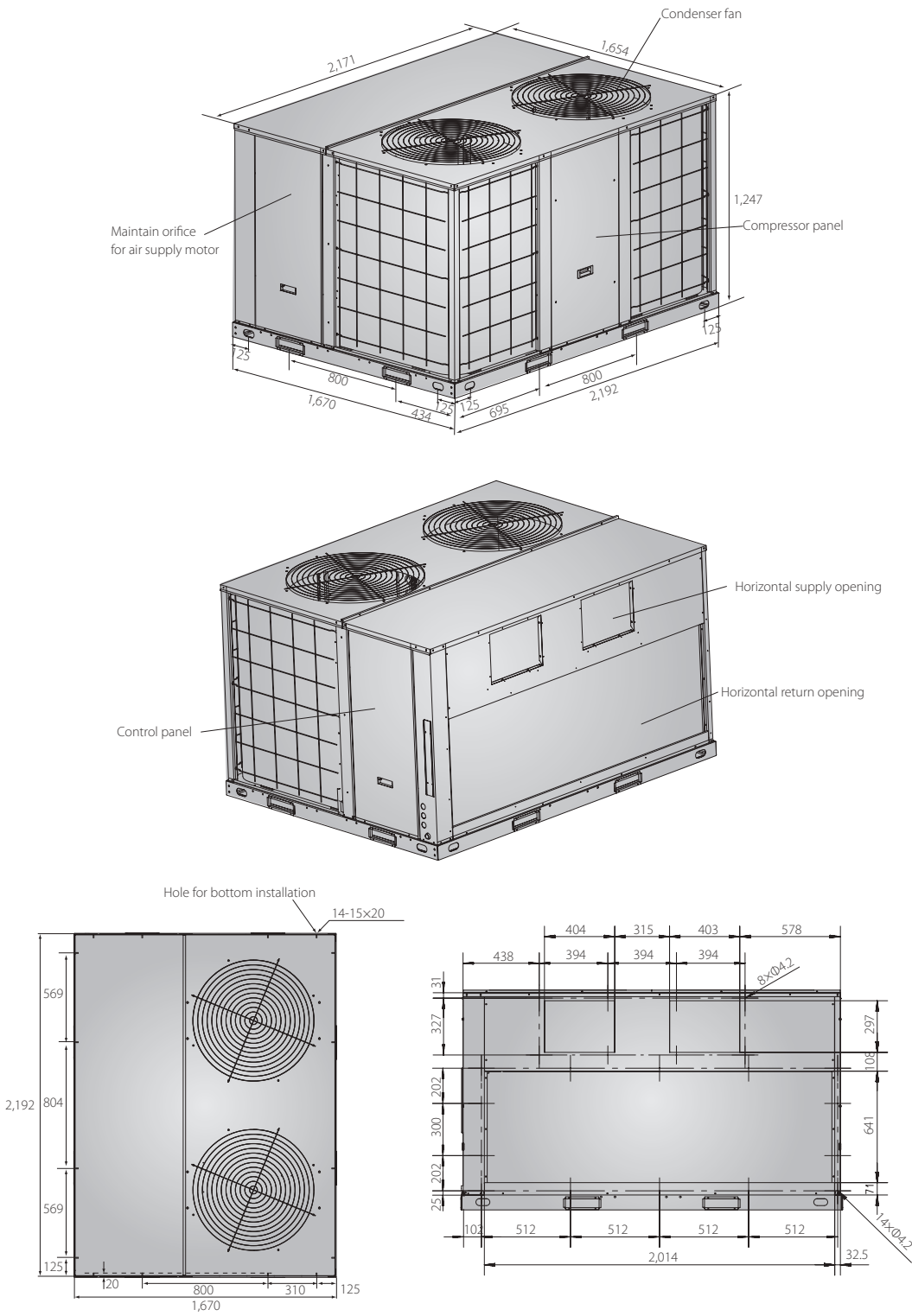
Dimensions

12.5RT & 15RT
(Units: mm)



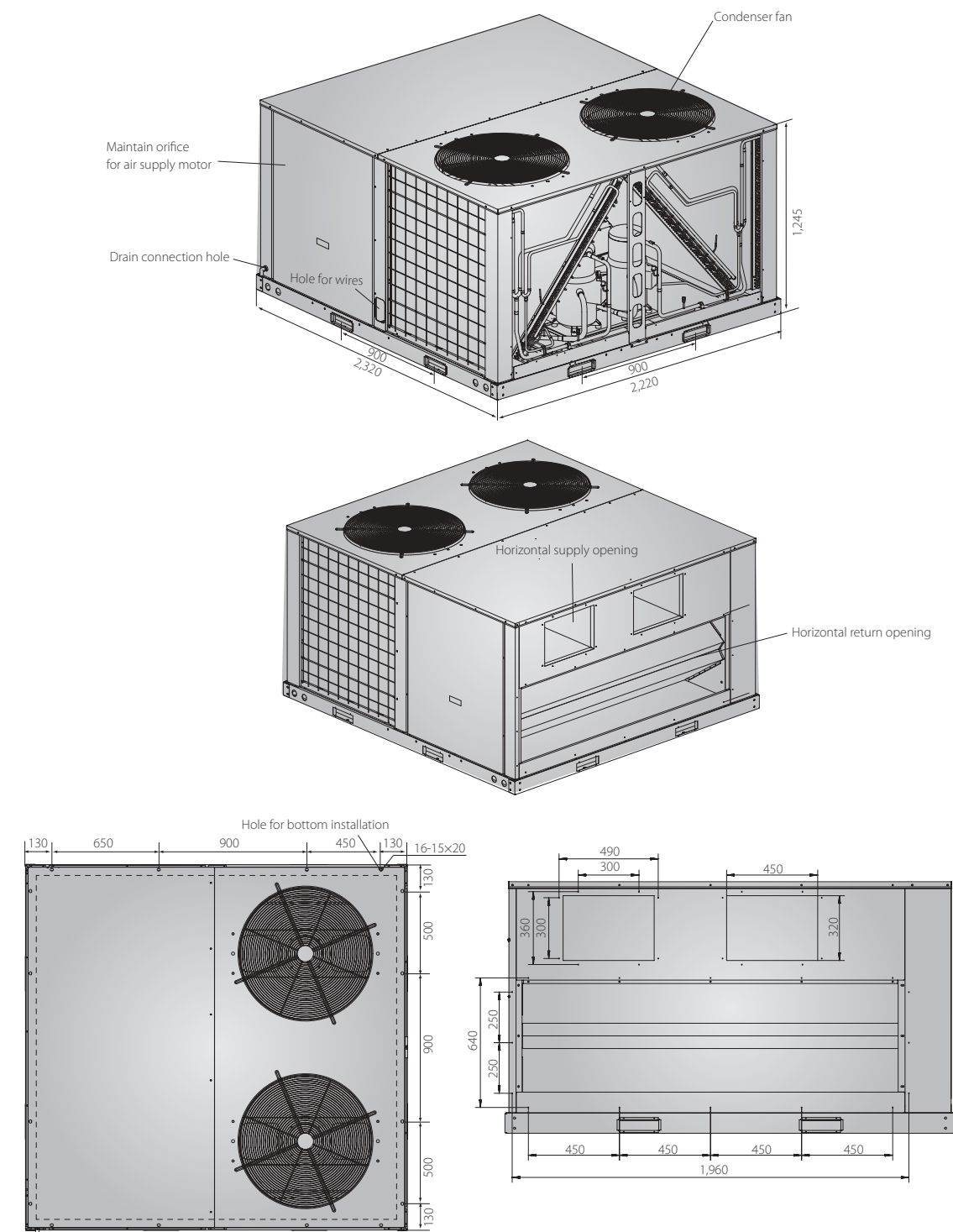
Dimensions

17.5RT & 20RT
(Units: mm)



Dimensions

25RT & 30RT
(Units: mm)



Controllers

Wired Controllers

  			
Model	KJR-90K/BK-E	KJR-125ABMWKS-E	KJR-29B/BK-E
Key type	Touch key	Touch screen	Touch key
On / Off	●	●	●
Mode selection	●	●	●
Clock	✕	●	●
Temperature setting	1°C	1°C	1°C
Fan mode	●	●	●
Follow me	●	✕	●
Eco mode	●	✕	✕
Room temperature display	●	●	●
°F/°C display	●	●	●
Daily timer	●	●	●
Weekly schedule	✕	●	✕
Keyboard lock	✕	●	●
Mode lock	●	●	✕
Background light	●	●	●
Bi-directional communication	●	✕	✕
Clean filter reminder	●	●	●
Language	English	English	English
Error check function	●	✕	✕
System parameter querying	✕	✕	✕
Dimensions (WxHxD) (mm)	86x86x18	124.5x84.5x22.5	120x120x20
Power supply	18V DC	AC 24V	5V DC

Note:
● : equipped as standard; ✕: without this function
The optional wired controllers to each unit referring to electrical wiring diagram.

Controllers

Central Controller



CCM30



MD-NIM01

- Central control function. It is a multifunctional device which is able to control up to 64 units.
- The control object can be either single or all, making the controlling operation convenient. It also easy to check all units status.



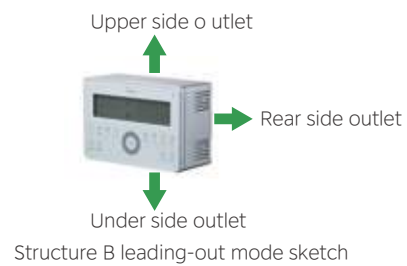
- Two structures of centralized central design, easy installation.



Structure A



Structure B



BMS connectivity is not supported by these products.