

DISCOVER
easyCOMFORT

Midea Group
Midea Building Technologies Division

Desert 5-30ton202604

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Rooftop Package 5-30 Ton Desert Series

MBT

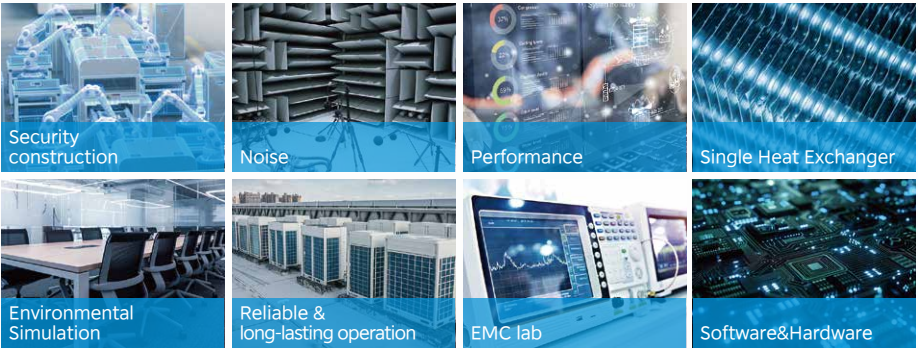
Midea Building Technologies (MBT) is a key division of the Midea Group, a leading provider of comprehensive, intelligent-building solutions including energy sources, elevators, control systems and heating, ventilation and air conditioning.

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.

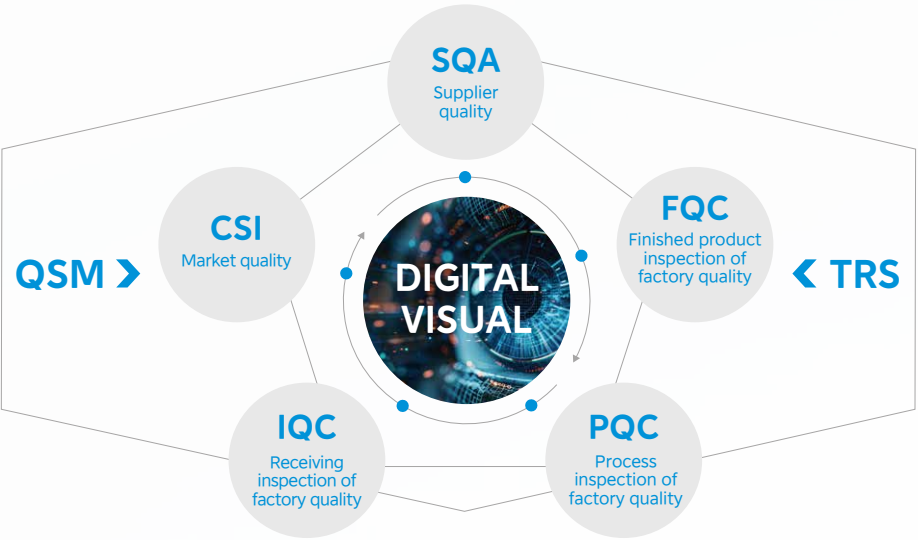
Committed to providing users with intelligent, digital, low carbon overall building solution



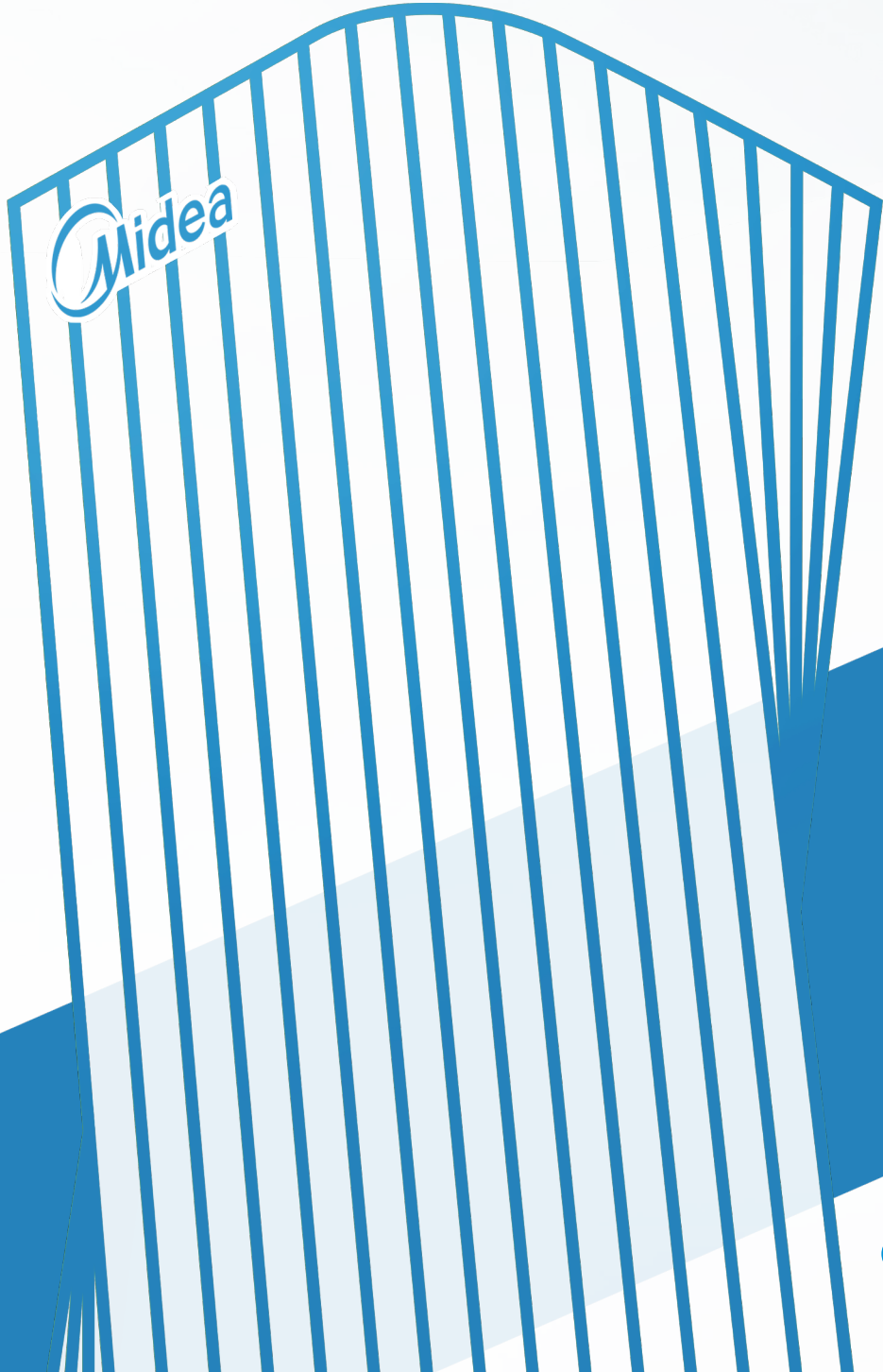
Over 100 testing labs cover a wide range of real application scenarios.

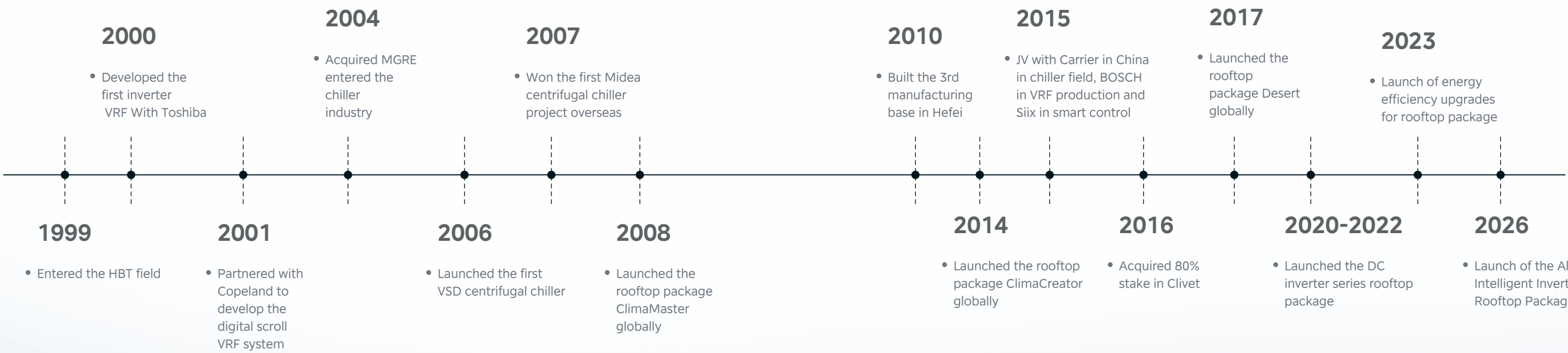


All products can be visualized and digitalized throughout entire process.



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





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):

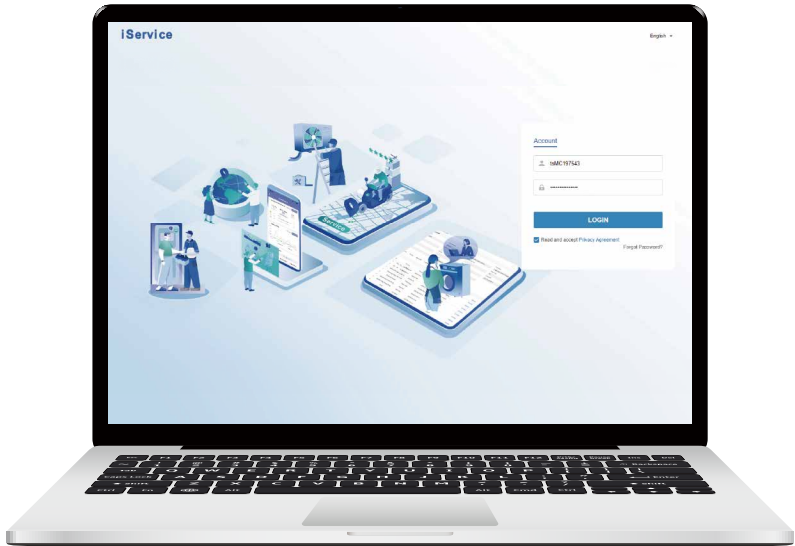
Vietnam/Thailand/Malaysia/Indonesia/Philippines



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.

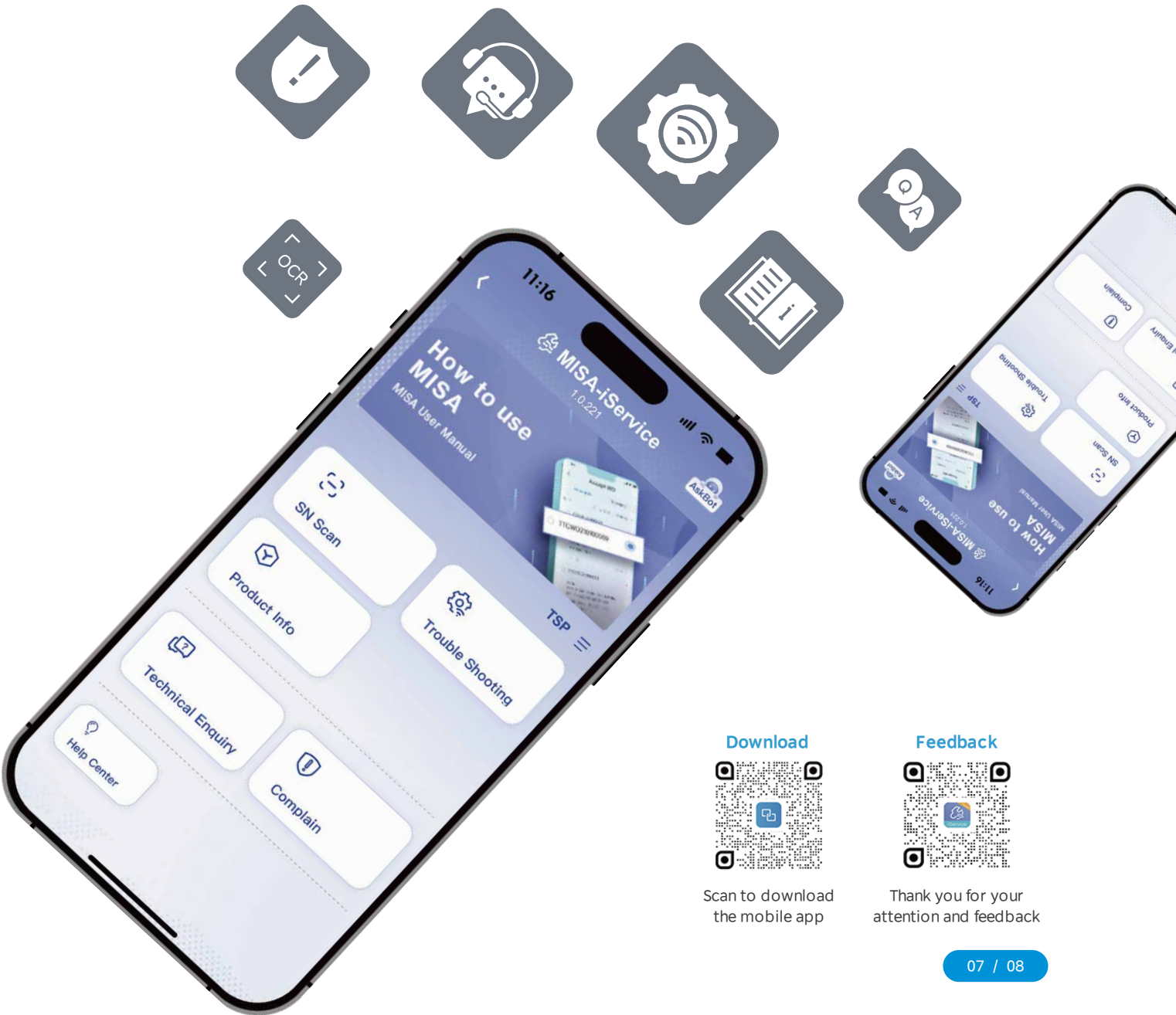
Complain

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.

Q > <https://link.midea.com>



Download



Scan to download the mobile app

Feedback



Thank you for your attention and feedback

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Product lineups

Nominal ton*		5	6.25	7.5	10	12.5	15	20	25	30
Cooling Only 380-415V, 3N~,60Hz		●								
			●	●						
					●	●	●			
								●	●	●

Notes:
1. * Nominal ton only for reference.
2. ● means cooling type product.
3. Cooling capacity as per specifications.

WIDE APPLICATION RANGE

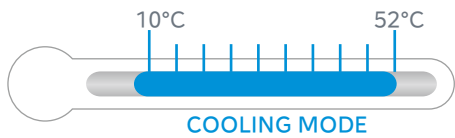
EASY SERVICE

Wide Cooling Capacity Range

• 8 models and cooling capacity range from 5 to 30 tons.

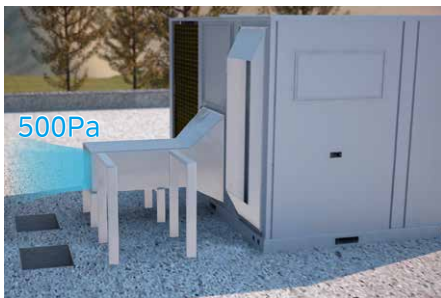
Wide Operation Range

The units can operate stably in a wide ambient temperature range from 10°C to 52°C



Wide Static Pressure Range

Adjustable pulley as standard
The static pressure of airflow outlet can be reached to Max. 500Pa.



Design Flexibility

Horizontal 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

Removable access door on the electric box. It is easy to move the cover of the electric box. Only connect the wires of power supply, and no need to connect any signal wires.



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

OUTSTANDING RELIABILITY

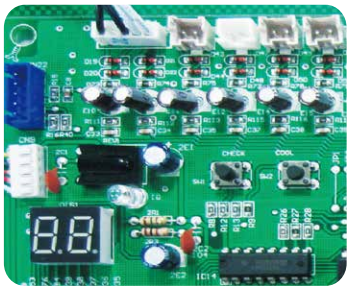
Rotatable Control Box

Rotatable control box permits easy access to the inner parts.

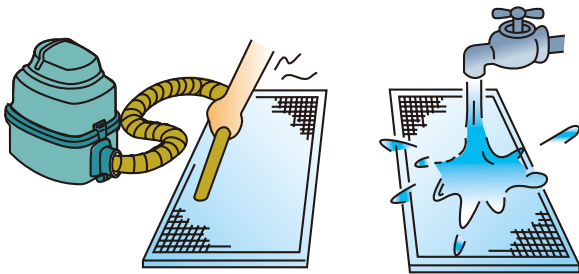


System Self-diagnostic

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.

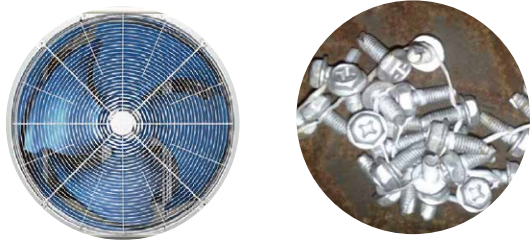


Washable Filter



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.



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.



Special anti-corrosion treatment of heat exchanger provides 5 to 6 times greater resistance against acid rain and salt corrosion.

All PCB parts in the unit are coated with double-side moisture proof paint. The outer side of electric box metal cover is spray-painted.

All screws are anti-rust.

Casings of the unit and motors are anti-rust.

Reliable Scroll Compressor

Famous brand compressor: Copeland, LG, 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

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	●	

Note: 5Ton unit has one-phase protector and no filter

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

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

Tropical (T3) application, 380-415V-3N~60Hz

5RT



6.25RT & 7.5RT



Nominal tons *			5	6.25	7.5
Model			MRCT-050CWN1-Y(E)	MRCT-062CWN1-Y(D)	MRCT-075CWN1-Y(D)
Power supply			208/230V~, 1Ph, 60Hz	380 - 415V~, 3Ph, 60Hz	380 - 415V~, 3Ph, 60Hz
Cooling (1)	Capacity	Btu/h	57000	75,000	84,000
		kW	16.8	22.0	24.6
	Power input	kW	4.95	6.680	7.24
		EER	Btu/h.W	11.5	11.2
Cooling (2)	Capacity	Btu/h	49,000	64,000	72,000
		kW	14.1	18.8	21.1
	Power input	kW	6.12	8.100	8.67
		EER	Btu/h.W	8.0	7.8
Air flow (Evaporator)	CFM		1910	2,200 @60Pa (0.24 in.wg.)	2800@60Pa(0.24 in.wg.)
	l/s		901.3	1,039 @60Pa (0.24 in.wg.)	1322 @60Pa (0.24 in.wg.)
ESP range (Standard)	Pa		0 - 175	0 - 125	0 - 150
	in.wg.		0 - 0.7	0 - 0.5	0 - 0.6
ESP range (Customized) (High static pressure)	Pa		/	250 - 500	250 - 500
	in.wg.		/	1.0 - 2.0	1.0 - 2.0
Capacity steps (Circuits)			100% - 0 (1)	100% - 0 (1)	100%-0(1)
Max. overcurrent protection		A	50	30	40
Compressor	Type		Scroll	Scroll	Scroll
	Quantity		1	1	1
	Brand		LG	Danfoss	Danfoss
Condenser fan	Type		Axial	Axial	Axial
	Quantity		1	1	1
	Drive type		Direct drive	Direct drive	Direct drive
	Materials		Metal	Metal	Plastic
Condenser motor insulation class			B	F	F
Condenser motor protection class			IP44	IP44	IP44
Evaporator fan	Type		Centrifugal fan	Centrifugal	Centrifugal
	Quantity		1	1	1
	Drive type		Direct drive	Belt, adjustable	Belt, adjustable
	Materials		Metal	Metal	Metal
Condenser / Evaporator			Hydrophilic aluminum fin / Inner grooved copper pipe		
Sound pressure level		dB(A)	63.4	74.5	78
Refrigerant	Type		R410A	R410A	R410A
	Control		Orifice	Throttle valve	Throttle valve
	Charged	kg	2.84	6.8	7.4
		lbs	6lbs, 4oz	14.99	16.31
EHK power input	Option 1	kW	7.5	10	10
	Option 2	kW	/	14	14
Thermostat			/	KJR-29B/BK-E	KJR-29B/BK-E
Centralized controller (Customized)			Yes	Yes	Yes
Ambient temperature	°C		13 - 52	10 - 52	10 - 52
	°F		55.4 - 125.6	50 - 125.6	50 - 125.6
Operation temperature	°C		17 - 30	17 - 30	17 - 30
	°F		62 - 88	62 - 88	62 - 88
Drainage pipe			3/4" NPT	3/4" NPT	3/4" NPT
Filter	Quantity		/	2	1
	Type		Nylon, washable	Nylon, washable	Nylon, washable
	Size	mm	/	(1,050×500×12)×2	(44-3/8×19-3/4×1/2)×2
inch		/	(44-3/8×19-3/4×1/2)×2	(1,050×500×12)×2	
Net dimension (W×H×D)	mm		1,068×840×1,486	1,965×1,230×1,130	1,965×1,230×1,130
	inch		58-1/2×42-1/16×33-1/16	77-3/8×48-1/2×44-1/2	77-3/8×48-1/2×44-1/2
Packing dimension (W×H×D)	mm		1075×865×1505	1,975×1,265×1,145	1,975×1,265×1,145
	inch		42-5/16×34×59/1/4	77-3/4×49-7/8×45	77-3/4×49-7/8×45
Net / Gross weight	kg		207	360/390	370/390
	lbs		456	794/860	816/860
Loading	20' / 40'HQ	Pcs	5/24	5/24	5/24

Notes:
*: Nominal ton is only for reference, cooling capacity as per specifications.
#. Please contact with Midea sales team, when adjust the fan speed of 5 ton unit.
1. Cooling (1) test condition: Indoor temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, outdoor temperature 35°C (95°F).
2. Cooling (2) test condition: Indoor temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, outdoor temperature 46°C (114.8°F).
3. Units are suitable for operation to ±20% of nominal air flow.
4. EHK means Electric Heater Kit. Only one EHK can be fixed per unit. PBT + 30%GF means Polybutylene Terephthalate + 30% Glass Fiber.
5. Sound pressure values are measured in a semi-anechoic room, at a position 1m front of the unit and 'H/2 + 0.5m' above the floor (H for unit's height).
6. Specifications are subject to change without prior notice for product improvement.

Specifications

Tropical (T3) application, 380-415V-3N~60Hz

10&12.5&15RT



Nominal tons *			10	12.5	15
Model			MRCT-100CWN1-Y(D)	MRCT-125CWN1-Y(D)	MRCT-150CWN1-Y(D)
Power supply			380 - 415V~, 3Ph, 60Hz	380 - 415V~, 3Ph, 60Hz	380 - 415V, 3Ph~, 60Hz
Cooling (1)	Capacity	Btu/h	124,00	156,000	166,000
		kW	36.3	45.7	48.4
	Power input	kW	11.071	14.180	15,100
		EER	Btu/h.W	11.2	11.0
Cooling (2)	Capacity	Btu/h	107,000	134,000	140,000
		kW	31.4	39.3	41
	Power input	kW	13.300	17.100	17,500
		EER	Btu/h.W	8.0	7.9
Air flow (Evaporator)	CFM		3,800 @70Pa (0.28 in.wg.)	4,200 @90Pa (0.36 in.wg.)	4712@90Pa(0.36 in.wg.)
	l/s		1,794 @70Pa (0.28 in.wg.)	1,983 @90Pa (0.36 in.wg.)	2223@90Pa(0.36 in.wg.)
ESP range (Standard)	Pa		0 - 200	0 - 225	0-255
	in.wg.		0 - 0.8	0 - 0.9	0-0.9
ESP range (Customized) (High static pressure)	Pa		250 - 500	200 - 500	200-500
	in.wg.		1.0 - 2.0	0.8 - 2.0	0.8-2.0
Capacity steps (Circuits)			100% - 50% - 0 (2)	100% - 50% - 0 (2)	100% - 50% - 0 (2)
Max. overcurrent protection	A		60	70	80
	Type		Scroll	Scroll	Scroll
Compressor	Quantity		2	2	2
	Brand		Copeland	Danfoss	Danfoss
Condenser fan	Type		Axial	Axial	Axial
	Quantity		2	2	2
	Drive type		Direct drive	Direct drive	Direct
	Materials		Metal	Metal	Metal
Condenser motor insulation class			F	F	F
Condenser motor protection class			IP44	IP44	IP44
Evaporator fan	Type		Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1
	Drive type		Belt, adjustable	Belt, adjustable	Belt drives
	Materials		Metal	Metal	Metal
Condenser / Evaporator Hydrophilic aluminum fin / Inner grooved copper pipe					
Sound pressure level	dB(A)		72.0	78.0	71.2
	Type		R410A	R410A	R410A
Refrigerant	Control		Throttle valve	Throttle valve	Throttle valve
	Charged	kg	6.4 + 6.4	6.8 + 6.8	7.5+6.9
		lbs	14.11 + 14.11	14.99 + 14.99	16.53+15.21
EHK power input	Option 1	kW	20	20	20
	Option 2	kW	24	28	28
Thermostat			KJR-29B/BK-E(JCB)	KJR-29B/BK-E(JCB)	KJR-29B/BK-E
Centralized controller (Customized)			Yes	Yes	Yes
Ambient temperature	°C		10 - 52	10 - 52	10 - 52
	°F		50 - 125.6	50 - 125.6	50 - 125.6
Operation temperature	°C		17 - 30	17 - 30	17 - 30
	°F		62 - 88	62 - 88	62 - 88
Drainage pipe			3/4" NPT	3/4" NPT	3/4" NPT
Filter	Quantity		3	3	3
	Type		Nylon, washable	Nylon, washable	Nylon, washable
	Size	mm	(1,040×575×12)×3	(1,040×575×12)×3	(1,040×575×12)×3
inch		(41×22-5/8×1/2)×3	(41×22-5/8×1/2)×3	(41×22-5/8×1/2)×3	
Net dimension (W×H×D)	mm		2,230×1,255×1,965	2,230×1,255×1,965	2230×1255×1965
	inch		87-7/8×49-3/8×77-3/8	87-7/8×49-3/8×77-3/8	87-7/8×49-3/8×77-3/8
Packing dimension (W×H×D)	mm		2,250×1,290×1,980	2,240×1,290×1,980	2240×1290×1980
	inch		88-5/8×50-3/4×78	88-1/4×50-3/4×78	88-1/4×50-3/4×78
Net / Gross weight	kg		615/650	660/695	660/715
	lbs		1,356/1,433	1,455/1,533	1455/1576
Loading	20' / 40'HQ	Pcs	3/12	3/12	3/12

Notes:
*: Nominal ton is only for reference, cooling capacity as per specifications.
#. Please contact with Midea sales team, when adjust the fan speed of 5 ton unit.
1. Cooling (1) test condition: Indoor temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, outdoor temperature 35°C (95°F).
2. Cooling (2) test condition: Indoor temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, outdoor temperature 46°C (114.8°F).
3. Units are suitable for operation to ±20% of nominal air flow.
4. EHK means Electric Heater Kit. Only one EHK can be fixed per unit. PBT + 30%GF means Polybutylene Terephthalate + 30% Glass Fiber.
5. Sound pressure values are measured in a semi-anechoic room, at a position 1m front of the unit and 'H/2 + 0.5m' above the floor (H for unit's height).
6. Specifications are subject to change without prior notice for product improvement.

Specifications

Tropical (T3) application, 380-415V-3N~60Hz

20 & 25 & 30 RT



Nominal tons *			20	25	30
Model			MRCT-200CWN1-Y(D)	MRCT-250CWN1-Y(D)	MRCT-300CWN1-Y(D)
Power Supply		\	380 - 415V, 3Ph~, 60Hz	380 - 415V~, 3Ph, 60Hz	380-415V-3N~60Hz
Cooling (1)	Cooling Capacity	Btu/h	266,000	282,000	302,000
		kW	73.8	82.6	88.5
	Power Input	W	23,750	28,200	30.2
		EER	Btu/h.W	11.2	10.0
Cooling (2)	Cooling Capacity	Btu/h	232,000	248,000	264,000
		kW	67.6	72.7	77.4
	Power Input	W	27,950	34,100	37.2
		EER	Btu/h.W	8.0	7.2
Air flow (Evaporator)		CFM	7407@110Pa(0.44 in.wg)	10,000 @110Pa (0.44 in.wg.)	11,150 @110Pa (0.44 in.wg.)
		l/s	3494@110Pa(0.44 in.wg)	4,722 @110Pa (0.44 in.wg.)	5,265 @110Pa (0.44 in.wg.)
ESP range (Standard)		Pa	0 - 300	0 - 300	200 - 475
		in.wg	0 - 1.2	0 - 1.2	0.8 - 1.9
ESP range (Customized)		Pa	200-500	200 - 500	/
(High static pressure)		in.wg	0.8-2.0	0.8 - 2.0	/
Capacity steps (Circuits)			100% - 50% - 0 (2)	100% - 50% - 0 (2)	100% - 50% - 0 (2)
Max. overcurrent protection		A	90	90	90
Compressor	Type		Scroll	Scroll	Scroll
	Quantity		2	2	2
	Brand		Danfoss	Danfoss	Danfoss
Condenser Fan	Type		Axial	Axial	Axial
	Quantity		2	2	2
	Drive type		Direct	Direct drive	Direct drive
	Material		PBTG30	PBT + 30% GF	PBT + 30% GF
Condenser motor insulation class			F	F	F
Condenser motor protection class			IP44	IP44	IP44
Evaporator fan	Type		Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1
	Drive type		Belt drives	Belt, adjustable	Belt, adjustable
	Material		Metal	Metal	Metal
Condenser / Evaporator			Hydrophilic aluminum fin / Inner grooved copper pipe		
Sound pressure level		dB(A)	79.0	79.0	79.0
Refrigerant	Type		R410A	R410A	R410A
	Control		Throttle valve	Capillary	Capillary
	Charged	kg	14+14	14.0 + 14.0	14.0 + 14.0
		lbs	30.86+30.86	30.87 + 30.87	30.87 + 30.87
EHK power input	Option 1	kW	28	28	28
	Option 2	kW	/	/	/
Thermostat			KJR-29B/BK-E	KJR-29B/BK-E	KJR-29B/BK-E
Centralized controller (Customized)			Yes	Yes	Yes
Ambient temperature	°C		10 - 52	10 - 52	10 - 52
	°F		50- 125.6	50 - 125.6	50 - 125.6
Operation temperature	°C		17 - 30	17 - 30	17 - 30
	°F		62 - 88	62 - 88	62 - 88
Drainage pipe			3/4" NPT	3/4" NPT	3/4" NPT
Filter	Quantity		3	3	3
	Type		Nylon, washable	Nylon, washable	Nylon, washable
	Size	mm	(1,420×640×12.5)×3	(1,420×640×12.5)×3	(1,420×640×12.5)×3
		inch	(55-7/8×25-1/4×1/2)×3	(55-7/8×25-1/4×1/2)×3	(55-7/8×25-1/4×1/2)×3
Net dimension (W×H×D)		mm	2,885×1,655×2,230	2,885×1,655×2,230	2,885×1,655×2,230
		inch	113-5/8×65-1/8×87-7/8	113-5/8×65-1/8×87-7/8	113-5/8×65-1/8×87-7/8
Packing dimension (W×H×D)		mm	2,895×1,690×2,230	2,895×1,690×2,230	2,895×1,690×2,230
		inch	114×66-1/2×87-7/8	114×66-1/2×87-7/8	114×66-1/2×87-7/8
Net / Gross weight		kg	1177/1257	1,180/1,260	1,180/1,260
		lbs	2594/2771	2,602/2,778	2,602/2,778
Loading	20' / 40'HQ	Pcs	2/4	2/4	2/4

Notes:
*: Nominal ton is only for reference, cooling capacity as per specifications.
#. Please contact with Midea sales team, when adjust the fan speed of 5 ton unit.
1. Cooling (1) test condition: Indoor temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, outdoor temperature 35°C (95°F).
2. Cooling (2) test condition: Indoor temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, outdoor temperature 46°C (114.8°F).
3. Units are suitable for operation to ±20% of nominal air flow.
4. EHK means Electric Heater Kit. Only one EHK can be fixed per unit. PBT + 30%GF means Polybutylene Terephthalate + 30% Glass Fiber.
5. Sound pressure values are measured in a semi-anechoic room, at a position 1m front of the unit and 'H/2 + 0.5m' above the floor (H for unit's height).
6. Specifications are subject to change without prior notice for product improvement.

Dimensions

5 Tons C/O Units (Hor.)
(Units:mm)

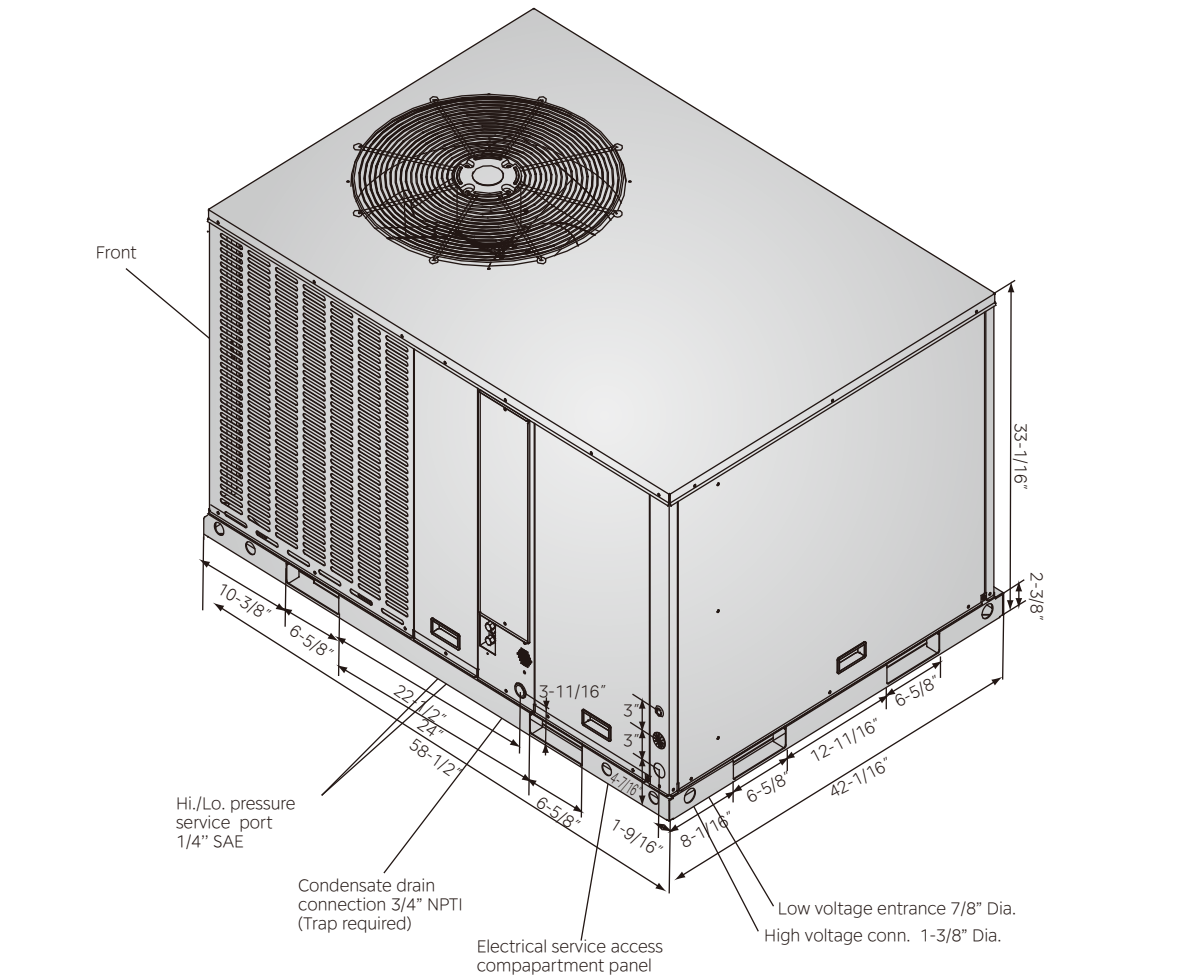


Fig.3-1

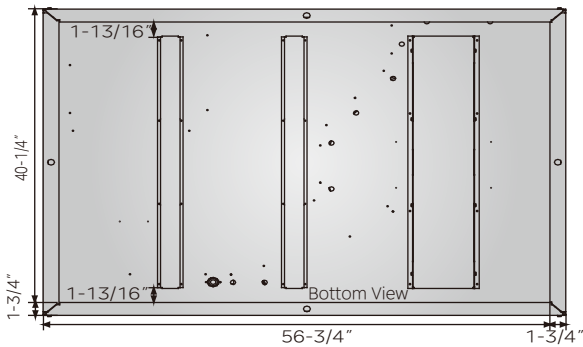


Fig.3-2

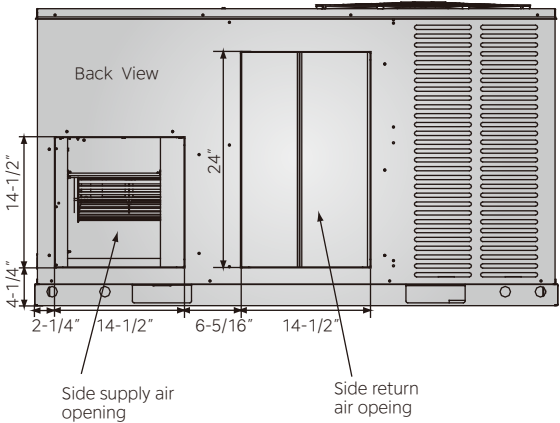
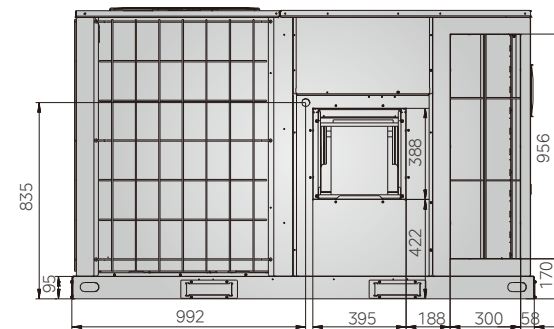
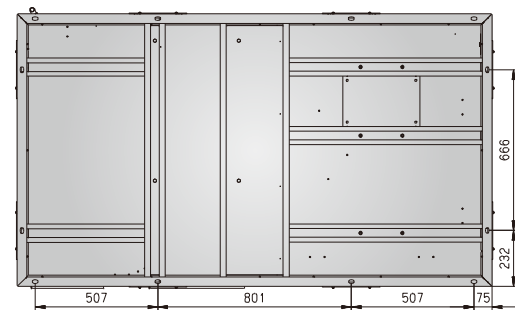
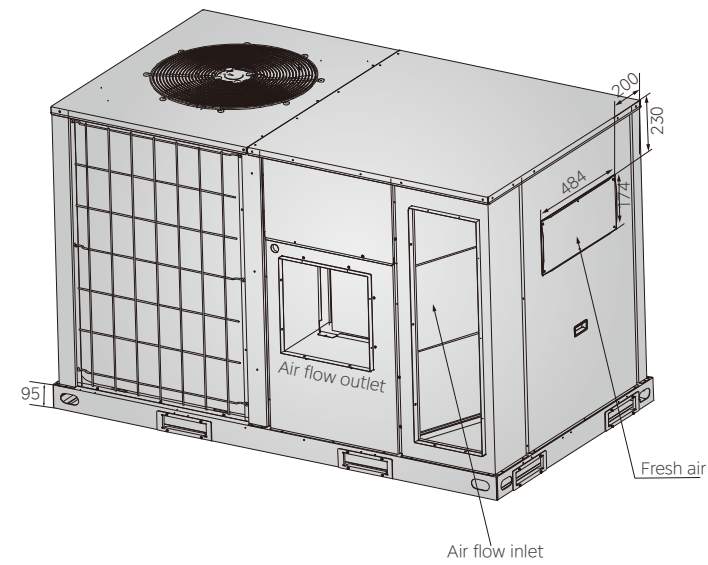
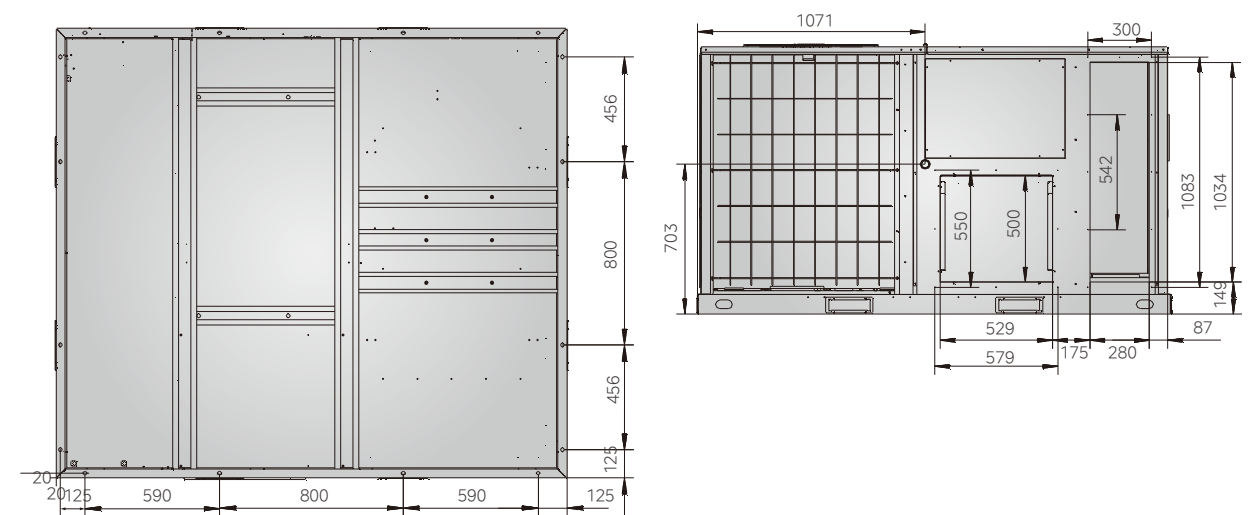
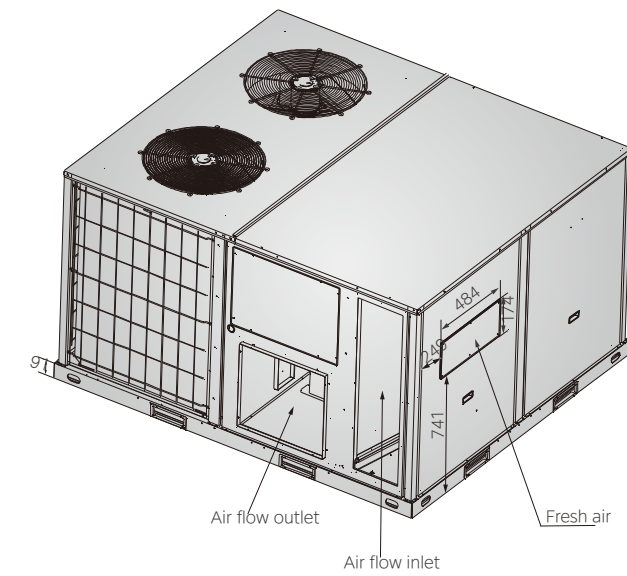


Fig.3-3

6.25RT&7.5RT
(Units:mm)

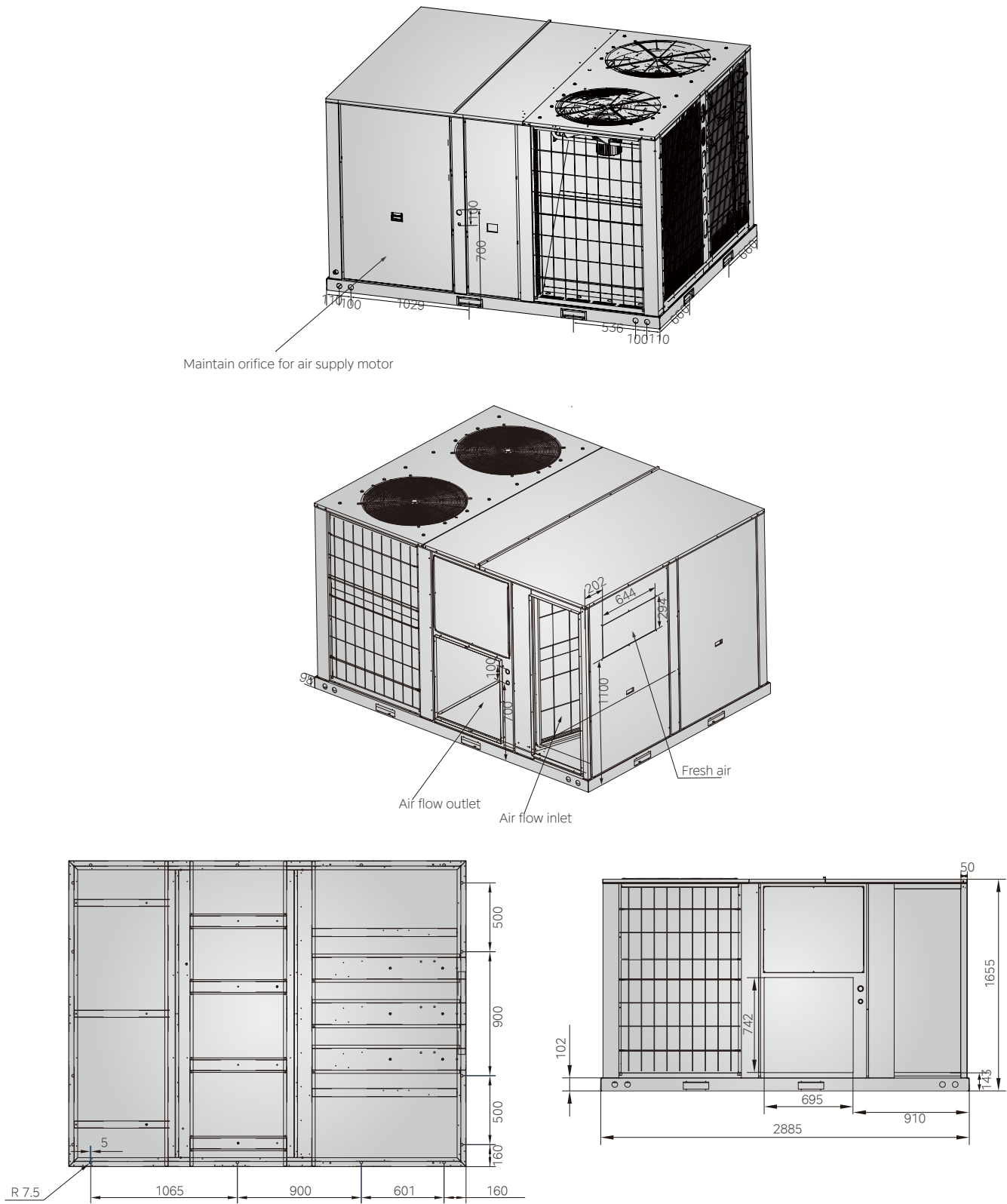


Technical drawing of the 1200mm wide version of the 1000 Series server rack. The drawing shows a perspective view of the rack with dimensions in millimeters. The overall width is 1200mm, depth is 1255mm, and height is 1965mm. The front panel features two doors with mesh viewing windows. The top panel has two circular fans. The bottom panel has a maintain orifice for the air supply motor. Dimensions for the front panel are 125mm, 737mm, 590mm, and 125mm. The depth of the front panel is 1255mm. The depth of the rack is 1255mm. The height of the rack is 1965mm. The height of the front panel is 1255mm. The height of the rack is 1965mm. The height of the front panel is 1255mm. The height of the rack is 1965mm.



Dimensions

20RT&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

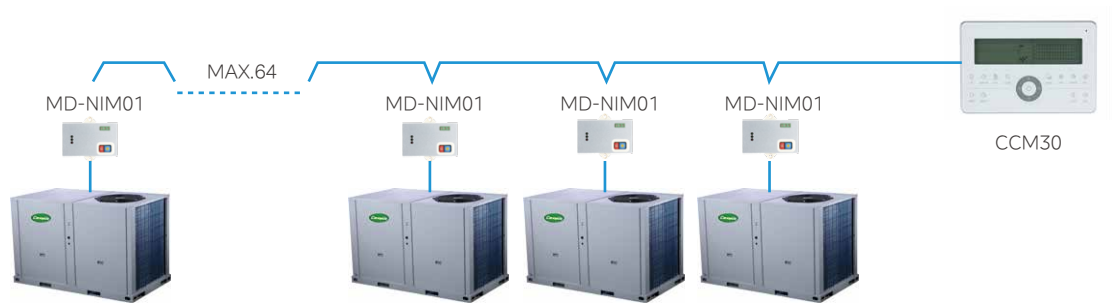


CCM30



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.



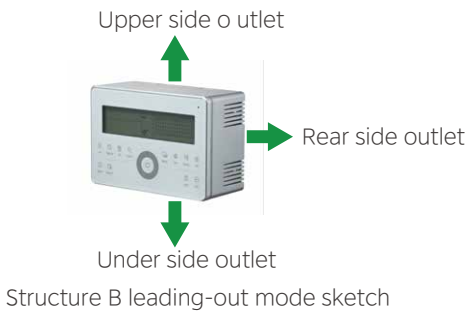
Two structures of centralized central design, easy installation.



Structure A



Structure B



BMS connectivity is not supported by these products.