



LIGHT COMMERCIAL AIR CONDITIONER

AFRICA SINGLE-SPLIT

Heat Pump / Inverter



Residential Air Conditioner Division
Address: GD Midea Refrigeration Equipment Limited Company, 22 Lingang Rd, Shunde, Foshan, Guangdong, P.R. China
Postal Code: 528311
Website: www.midea.com/global/

Specifications are subject to change without notice.



Index

Midea Introduction	P01
General Features	P07
Product Line Up	P11
· Compact Cassette	P13
· Super Slim Cassette	P15
· A6 Duct	P21
· Ceiling & Floor	P27
Control System	P33
Project Reference	P35

About Midea

Midea Group Profile

Since its establishment in 1968, Midea has grown into a leading Chinese consumer appliances and HVAC systems manufacturer. With over 108,000 employees, 20 domestic production bases, exports to over 200 countries, and more than 60 overseas branches, Midea was able to achieve global sales turnover of over 25 billion USD in 2016. In 2016, 2017 and 2018, Midea group made on the fortune 500 list 3 times in a row.

500 Midea Group ranks
323rd Fortune Global

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- 1985** Entered into Refrigeration and Air Conditioning Industry
 - 1993** Public listing on Shenzhen Stock Exchange
 - 1996** Launched first inverter air conditioner in China
 - 1998** Launched China's first DC inverter air conditioner
 - 2008** Promoted inverter air conditioner ushering in the inverter era in China
 - 2011** Launched joint venture with Carrier in Latin America
Established Midea & Toshiba - Carrier R410A DC Inverter Technology Development Lab
 - 2016** Acquired Kuka and cooperation in robotics
Listed on the Fortune 500
 - 2018** Ranks 323rd in Fortune 500



RAC Products Line Up



Quality Endorsement



Midea sets the industry standards with strict life cycle management, industry-leading testing, and a robust after-sales service system to ensure the highest-quality of products.

- Quality System Management
- Supplier Quality Assurance
- Incoming Quality Control
- Process Quality Control
- Final Quality Control
- Customer Service & Improvement

R&D Strength

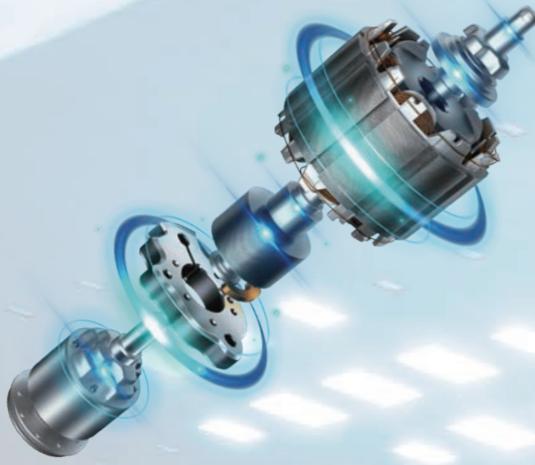
Facilities Investment

Midea's RAC R&D Center measures 40,000 square meters in footprint. The center represents almost 60 million USD in total investment with half of that going towards R&D equipment alone.

Technology Labs

The Midea RAC R&D Center has 89 labs, covering 22,000 square meters. These include the Midea & Toshiba-Carrier R410A DC Inverter Lab, the Midea-Emerson Digital Scroll/Scroll Heating Application Lab, and many more other leading labs.

General Features



Durable Compressor

(No.1 market share)

A strong heart - the efficient and reliable GMCC compressor guarantees durable operation. One third of compressors used around the world are supplied by GMCC due to its stable quality and excellent performance.

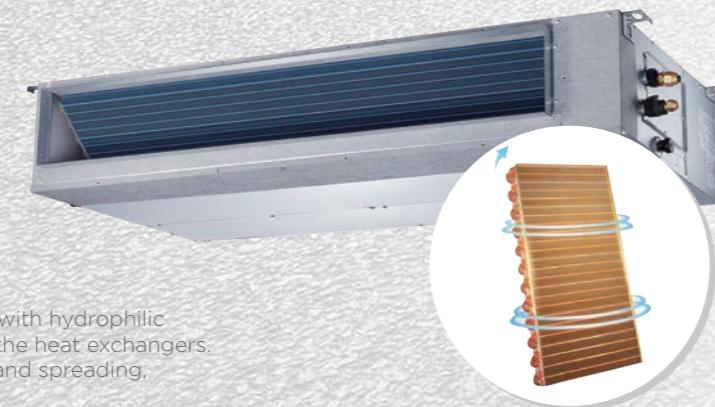
Golden Fin

Outdoor Unit

The unique hydrophilic golden coating on aluminum fin of the heat exchangers can withstand the salty air, rain and other corrosive elements. It also effectively improves the system's efficiency.

* Heat pump model: standard

* Cooling only model: optional



Golden Fin

Indoor Unit

All LCAC indoor units are standard with hydrophilic golden coating on aluminum fin of the heat exchangers. It prevents bacteria from breeding and spreading, improving heat efficiency.



Coating for PCB

For better protection of the PCB, an anti-corrosion coating is also applied to ensure a longer life cycle.

Solid Casing

Our Solid Casing and T-shaped top cover work together to keep rain and sand away from the unit and ensure stable operation of interior components.



Anti-rust Triple Layer Protection

Our Triple-Layer Protection can survive a 500-hour acid resistance test without leaving any visible signs of corrosion, ensuring a longer life cycle for the AC unit, especially in humid areas.



"DIAMOND-EDGED" CASING

The Archimedes' screw-shaped air outlet and the bionic blower wheel work together to reduce the noise generated by the outdoor unit of the air conditioner. The T-shaped top cover ensures the stable operation of the internal parts and the durability of the power system.



T-shaped top cover



Archimedes' screw-shaped air outlet



Durable casing

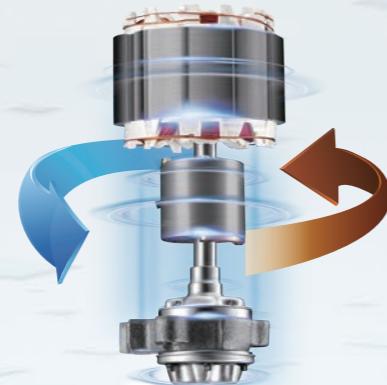
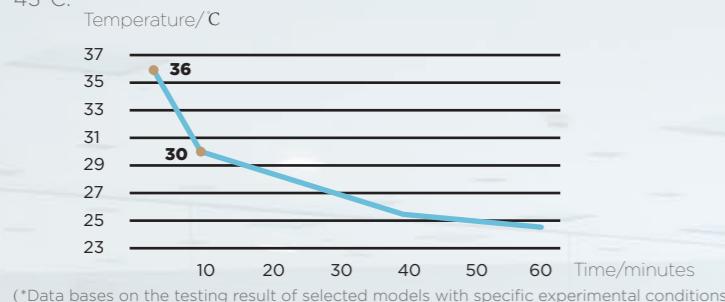


Bionic blower wheel

Inverter Technology

Fast Cooling

Compared with the on/off air conditioner, full DC inverter air conditioner increases its cooling speed by around 30%. It takes only 10 minutes to lower the room temperature from 36°C to 30°C when the outdoor temperature is as high as 43°C.



Energy Saving

Compared with on/off air conditioners, full DC inverter air conditioners can reduce up to 30% of power consumption in a year. The fixed-speed technology switches the units on and off with energy waste but the inverter technology can smoothly adjust the compressor operation frequency to improve the energy efficiency, according to demands.

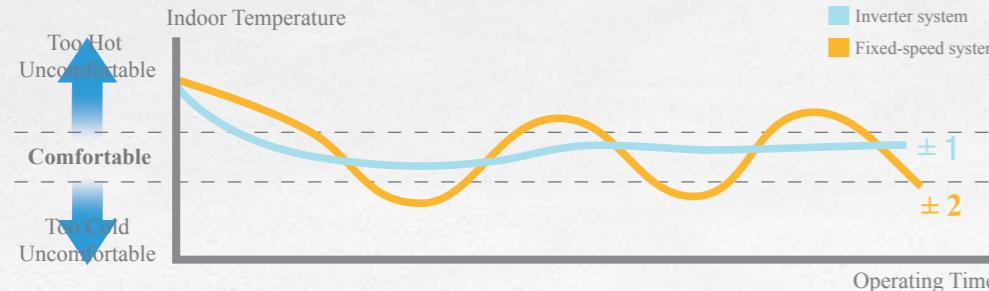


(*Applies to selected models with selective experimental conditions)

Precise Temperature Control

Full DC inverter system can softly change in the output power of compressor and fan motors in response to indoor temperature change in real time and maintain the best comfortable body sense. The outdoor unit runs at variable speeds to mitigate the work burden of compressor.

Indoor temperature variation diagrammatic sketch



Low Noise

The quiet mode will be activated when ambient temperature gets lower at the night time, and the outdoor unit will automatically lower the operating frequency of inverter compressor as well as the speed of DC fan motor. A minimum noise level of 43.9 dB(A) can be achieved.

Installation & Maintenance

Flexible Piping Length

65m piping length and 30m height difference ensure that Midea air conditioners are ideally matched with every architectural style.

Max. Length	
Length	Height Difference
65m	30m

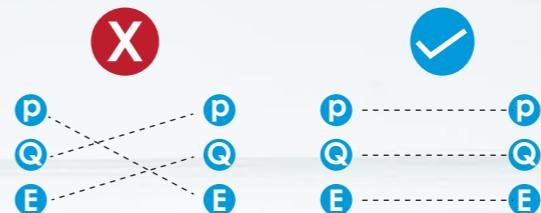
* Selective 60K unit only



Flexible Wiring Connection

A6 duct allows to use non-polarity wires connection with the wired controller, which can avoid wiring mistakes during the installation. (*For inverter models only)

The Past



Now



Status and Error Display

Removes the need to check all parts for the cause of the problem, thereby allowing the error to be found right away.

- DC voltage too high/too low protection
- Low ambient temperature protection
- Inverter compressor drive protection
- Compressor low pressure protection

*For selective models only.



Check Point Button

Press this button to check current operational parameters while the unit is running for simpler debugging.



Light Commercial

Indoor Unit	Outdoor Unit	12K	18K	24K	30K	36K 1Ph	36K 3Ph	48K 1Ph	48K 3Ph	60K 3Ph
		.	.							
			
				
								.	.	.
								.	.	.
								.	.	.

Product Line Up

Compact

■ Round Flow Cassette



Standard	Optional
360° Air Flow Panel	Indoor Unit Golden Fin
Build-in Drain Pump	Outdoor Unit Golden Fin
Wired Control	Follow Me
"Diamond-Edged" Auto Swing Casing	24-hour Timer
Manual ON/OFF	Louver Position Memory
Auto Restart Function	Self-diagnosis and Auto-protection
ON OFF Port	Auto Defrosting
Error Alarm	Fresh Air
	Anti-cold Air Function

Cool Surround 360°



The Cassett's airflow design allows cool air to diffuse and sink evenly, offering uniform cooling experience throughout the space.

Louver Position Memory



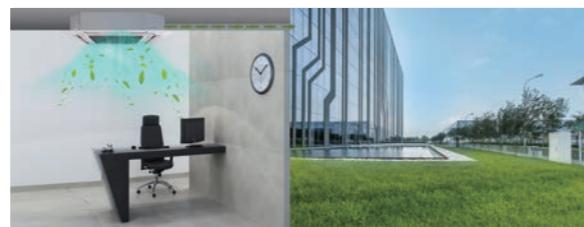
The louver will return back to its previous position when you restart the AC, allowing you to enjoy your preferred coolness settings every time you turn on the unit.

Built-in Drain Pump



The drain pump can lift the condensing water up to 750 mm, which is convenient to install drainage pipes under most conditions.

Fresh Air



Air outside can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy.

Air Share Outlet



Reserved external air duct should be more flexible for the air supply.

Reserved ON-OFF and Alarm Ports*



ON-OFF Switch: With the reserved ports, a remote switch can be easily connected to realize remote control.
Alarm Port: The built-in PCB can output alarm signal, which makes setting up an external alarm light or vibration gauge possible.

* For selected model only

Specifications

Full DC Inverter

Model	Indoor Unit		MCA3U-12HRFNX-QRDOW	MCA3U-18HRFNX-QRDOW
	Outdoor Unit		MOB30U-12HFN1-QRDOW-[X]	MOB30-18HFN1-QRDOW
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1
Cooling	Capacity	Btu/h	12000	18000
	Input	W	1080	1820
	Current	A	4.8	8.1
	EER	W/W	3.26	2.90
Heating	Capacity	Btu/h	14000	18500
	Input	W	1060	1423
	Current	A	4.7	6.3
	COP	W/W	3.87	3.81
Indoor Unit	Indoor air flow	m ³ /h	617/504/416	720/625/540
	Sound pressure level(H/M/L)	dB(A)	43/39/35	43/39/36
Body	Net Dim.(WxDxH)	mm	570x570x260	570x570x260
	Packing (WxDxH)	mm	655x655x290	662x662x317
	Net/Gross weight	kg	16.2/21.4	16.2/21.4
Panel	Net Dim.(WxDxH)	mm	647x647x50	647x647x50
	Packing (WxDxH)	mm	715x715x123	715x715x123
	Net/Gross weight	kg	2.5/4.5	2.5/4.5
Outdoor Unit	Drainage pipe	mm	ODΦ25	ODΦ25
	Standard Controller	-	Remote control	Remote control
	Compressor Type	-	ROTARY	ROTARY
	Throttle type	-	EXV	Capillary+EXV
	Dimension(WxDxH)	mm	800x333x554	800x333x554
	Packing(WxDxH)	mm	920x390x615	920x390x615
	Net/Gross weight	kg	29.9/32.6	34.5/37.2
R410a Charged volume	kg		1.05	1.35
Refrigerant piping	Liquid / Gas side	mm	Φ6.35/Φ9.52	Φ6.35/Φ12.7
	inch		1/4"/3/8"	1/4"/1/2"
	Max. pipe length/height	m	25 / 10	30/20



SUPER SLIM

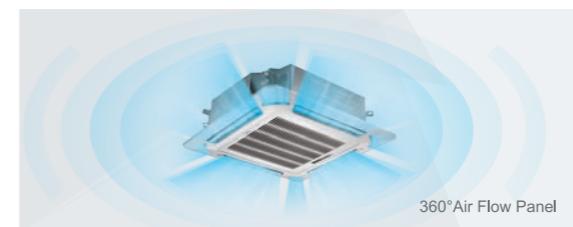
Super Slim

■ Round Flow Cassette



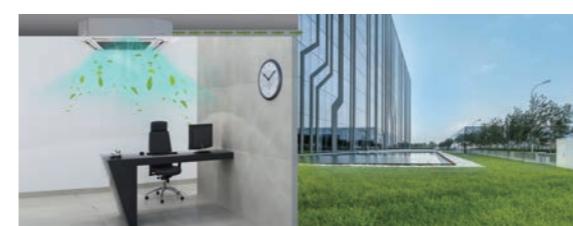
Standard	Optional
360° Air Flow Panel	Indoor Unit Golden Fin
Diamond-Edged™ Casing	Build-in Drain Pump
Manual ON/OFF	Outdoor Unit Golden Fin
ON/OFF Port	Wired Control
Error Alarm	Follow Me
Fresh Air	
Anti-cold Air Function	

360° Air Flow Panel



With the 360° air flow panel, the air can be distributed to every corner of the room.

Fresh Air



Air outside can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy.

Reserved ON-OFF and Alarm Ports*



ON-OFF Switch: With the reserved ports, a remote switch can be easily connected to realize remote control.

Alarm Port: The built-in PCB can output alarm signal, which makes setting up an external alarm light or vibration gauge possible.

* For selected model only

Slim Body Design



A slim body make the four-way Cassette suited to any room's decoration and ambience. 18K model have only 205mm high. It can be installed in most ceiling spaces.

Weekly Timer Controller (optional)



Multiple on and off time in a day can be set by KJR-120C weekly timer wired controller.

Built-in Drain Pump



The drain pump can lift the condensing water up to 750 mm, which is convenient to install drainage pipes under most conditions.

Specifications

DC Inverter

Model	Indoor Unit		MCD-24HRDN1-QW(B)	MCD-36HRDN1-QW(B)
	Outdoor Unit		MOCA30U-24HDN1-QW	MOD30U-36HDN1-RW
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	220-240,50,1	380-415,50,3
Cooling	Capacity	Btu/h	24000	36000
	Input	W	2417	3950
	Current	A	11	6.3
	EER	W/W	2.91	2.67
Heating	Capacity	Btu/h	26000	38000
	Input	W	2235	3500
	Current	A	10.15	5.7
	COP	W/W	3.41	3.18
Indoor Unit	Indoor air flow	m ³ /h	1098/959/798	1832/1590/1389
	Sound pressure level(H/M/L)	dB(A)	47.4/43/39	52/48.3/44.4
	Body	Net Dim.(WxDxH)	mm	840x840x205
		Packing (WxDxH)	mm	900x900x225
		Net/Gross weight	kg	21.8/25.2
	Panel	Net Dim.(WxDxH)	mm	950x950x55
		Packing (WxDxH)	mm	1035x1035x90
		Net/Gross weight	kg	5/8
	Drainage pipe	mm	ODΦ32	ODΦ32
	Standard Controller	-	Remote control	Remote control
Outdoor Unit	Compressor Type	-	ROTARY	ROTARY
	Throttle type	-	Throttle Valve	Throttle Valve
	Dimension(WxDxH)	mm	845x363x702	946x410x810
	Packing(WxDxH)	mm	965x395x755	1090x500x875
	Net/Gross weight	kg	46/49.1	67.3/73.1
R410a Charged volume				
Refrigerant piping	Liquid / Gas side	kg	2.1	3
		mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Max. pipe length/height	inch	3/8"/5/8"	3/8"/3/4"
		m	25 / 15	30 / 20

Specifications

DC Inverter

Model	Indoor Unit		MCD-48HRDN1-QW(B)	MCD-55HRDN1-QW(B)
	Outdoor Unit		MOD30U-48HDN1-RW	MOE30U-55HDN1-RW
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	380-415,50,3	380-415,50,3
Cooling	Capacity	Btu/h	45700	55000
	Input	W	5336	6700
	Current	A	9.8	11
	EER	W/W	2.51	2.41
Heating	Capacity	Btu/h	50000	58000
	Input	W	4427	6300
	Current	A	8.16	10
	COP	W/W	3.31	2.70
Indoor Unit	Indoor air flow	m ³ /h	1854	1970/1492/1293
	Sound pressure level(H/M/L)	dB(A)	54.5/48.4/46.3	52.1/45.3/42.8
	Body	Net Dim.(WxDxH)	mm	840x840x245
		Packing (WxDxH)	mm	900x900x265
		Net/Gross weight	kg	26.7/31.1
	Panel	Net Dim.(WxDxH)	mm	950x950x55
		Packing (WxDxH)	mm	1035x1035x90
		Net/Gross weight	kg	5/8
	Drainage pipe	mm	ODΦ32	ODΦ32
	Standard Controller	-	Remote control	Remote control
Outdoor Unit	Compressor Type	-	ROTARY	ROTARY
	Throttle type	-	Throttle Valve	Throttle Valve
	Dimension(WxDxH)	mm	946x410x810	952x415x1333
	Packing(WxDxH)	mm	1090x500x875	1095x495x1480
	Net/Gross weight	kg	74.3/79.9	94/107
R410a Charged volume				
Refrigerant piping	Liquid / Gas side	kg	3.65	4
		mm	Φ9.52/Φ19	Φ9.52/Φ19
	Max. pipe length/height	inch	3/8"/3/4"	3/8"/3/4"
		m	50 / 30	50 / 30

Specifications

Full DC Inverter

Model	Indoor Unit		MCD-24HRFNX-QRDO	MCD-30HRFN1-QRDO	MCD-36HRFNX-QRDO	MCD-36HRFNX-QRDO
	Outdoor Unit		MOCA30U-24HFNI-QRDO	MOD30U-30HFNI-QRDO	MOD30U-36HFNI-QRDO	MOD30U-36HFNI-RRDO
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	380-420,50,3
Cooling	Capacity	Btu/h	24000	30000	36000	36000
	Input	W	2170	2765	4058	4060
	Current	A	9.9	12.6	18.5	7
	EER	W/W	3.24	3.18	2.60	2.60
Heating	Capacity	Btu/h	26000	31000	38000	38000
	Input	W	2050	2380	3094	3085
	Current	A	8.9	10.9	14.1	5.30
	COP	W/W	3.72	3.82	3.60	3.61
Indoor Unit	Indoor air flow	m ³ /h	1378/1200/1032	1700/1460/1300	1775/1620/1438	1775/1620/1438
	Sound pressure level(H/M/L)	dB(A)	47/43/40	53/48/44	53/50/47	52/49/46
	Body	Net Dim.(WxDxH)	mm	840x840x245	840x840x245	840x840x245
		Packing (WxDxH)	mm	900x900x257	900x900x257	900x900x257
		Net/Gross weight	kg	23/27	26.5/30.5	25.6/29.6
	Panel	Net Dim.(WxDxH)	mm	950x950x55	950x950x55	950x950x55
		Packing (WxDxH)	mm	1035x1035x90	1035x1035x90	1035x1035x90
		Net/Gross weight	kg	5/8	1	0.63
	Drainage pipe	mm	ODΦ32	ODΦ32	ODΦ32	ODΦ32
	Standard Controller	-	Remote control	Remote control	Remote control	
Outdoor Unit	Compressor Type	-	ROTARY	ROTARY	ROTARY	ROTARY
	Throttle type	-	Capillary+EXV	Capillary+EXV	Capillary+EXV	Capillary+EXV
	Dimension(WxDxH)	mm	845x363x702	946x410x810	946x410x810	946x410x810
	Packing(WxDxH)	mm	965x395x765	1090x500x865	1090x500x875	1090x500x865
	Net/Gross weight	kg	49/51.5	62.9/68.5	67.2/72.9	78.9/83.9
R410a Charged volume		kg	1.95	2.8	3.2	3.2
Refrigerant piping	Liquid / Gas side	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
		inch	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"
	Max. pipe length/height	m	50 / 25	50 / 25	65 / 30	65 / 30

Specifications

Full DC Inverter

Model	Indoor Unit		MCD-48HRFNX-QRDO	MCD-48HRFNX-QRDO	MCD-55HRFNX-QRDO
	Outdoor Unit		MOE30U-48HFNI-QRDO	MOE30U-48HFNI-RRDO	MOE30U-55HFNI-RRDO
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	380-415,50,3	380-415,50,3
	Outdoor Unit	V,Hz,Ph	220-240,50,1	380-415,50,3	380-415,50,3
Cooling	Capacity	Btu/h	48000	48000	53000
	Input	W	5740	5390	6400
	Current	A	24.9	9.3	11
	EER	W/W	2.45	2.61	2.43
Heating	Capacity	Btu/h	55000	55000	62000
	Input	W	5355	5355	5735
	Current	A	23.3	9.2	9.9
	COP	W/W	3.01	3.01	3.17
Indoor Unit	Indoor air flow	m ³ /h	1715/1568/1381	1715/1568/1381	1970/1737/1537
	Sound pressure level(H/M/L)	dB(A)	52/50/49	52/50/49	53/50.5/48
	Body	Net Dim.(WxDxH)	mm	840x840x287	840x840x287
		Packing (WxDxH)	mm	900x900x292	900x900x292
		Net/Gross weight	kg	29/32.7	29/32.7
	Panel	Net Dim.(WxDxH)	mm	950x950x55	950x950x55
		Packing (WxDxH)	mm	1035x1035x90	1035x1035x90
		Net/Gross weight	kg	5/8	5/8
	Drainage pipe	mm	ODΦ32	ODΦ32	ODΦ32
	Standard Controller	-	Remote control	Remote control	Remote control
Outdoor Unit	Compressor Type	-	ROTARY	GMCC	ROTARY
	Throttle type	-	Capillary+EXV	Capillary+EXV	Capillary+EXV
	Dimension(WxDxH)	mm	952x415x1333	952x415x1333	952x415x1333
	Packing(WxDxH)	mm	1095x500x1470	1095x495x1480	1095x495x1480
	Net/Gross weight	kg	95.1/108.4	108.1/121.2	112.8/126
R410a Charged volume		kg	4	4	4.3
Refrigerant piping	Liquid / Gas side	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
		inch	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"
	Max. pipe length/height	m	65 / 30	65 / 30	65 / 30



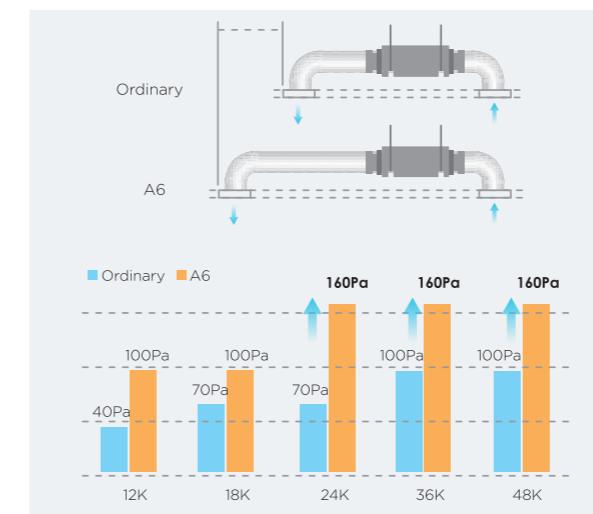
A6 DUCT

A6 Duct



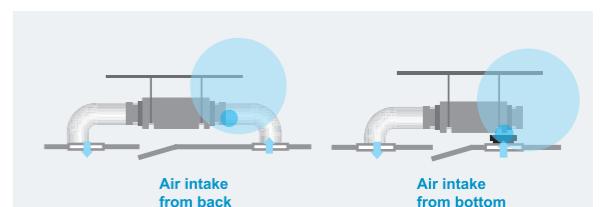
Standard	Optional
Wired Control	Indoor Unit Golden Fin
"Diamond-Edged" Casing	Auto Restart Function
24-hour Timer	Auto Defrosting
Anti-cold Air Function	Self-diagnosis and Auto-protection
ON OFF Port	Refrigerant Leakage Detect
Error Alarm	Outdoor Unit Golden Fin
Build-in Drain Pump	Follow Me
	Wireless Remote Control

Max. Static Pressure



A6 duct can be installed in various applications that requires static pressure of 160 Pa.

Flexible Air Intake Ways



Air inlet from back standard and from bottom optional. The size of the plate from bottom and flange from back is the same, it's easy for installer to change the air inlet from back to bottom.

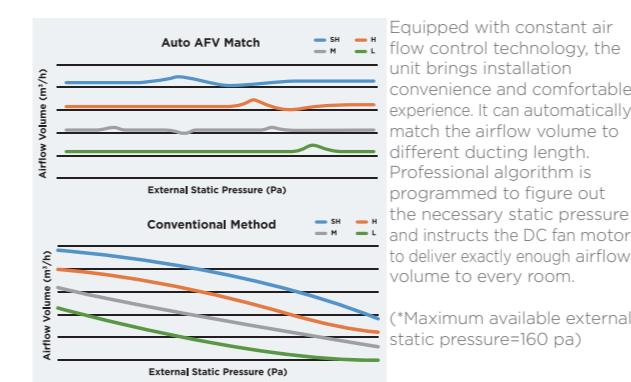
Built-in Drain Pump



The drain pump can lift the condensing water up to 750 mm, which is convenient to install drainage pipes under most conditions. (*Optional)

Auto AFV Match

*AFV = Airflow Volume



Equipped with constant air flow control technology, the unit brings installation convenience and comfortable experience. It can automatically match the airflow volume to different ducting length. Professional algorithm is programmed to figure out the necessary static pressure and instructs the DC fan motor to deliver exactly enough airflow volume to every room.

Easy Maintenance



A6 duct allows operators maintenance the motor from the bottom and PCB can be easily accessed from the side.

Specifications

DC Inverter

Model	Indoor Unit		MTI-36HWDN1-QW	MTI-48HWDN1-QW	MTI-55HWDN1-QW
	Outdoor Unit		MOD30U-36HDNI-RW	MOD30U-48HDNI-RW	MOE30U-60HDNI-RW
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	380-415,50,3	380-415,50,3	380-415,50,3
Cooling	Capacity	Btu/h	36000	48000	55000
	Input	W	3755	5191	6176
	Current	A	5.7	7.9	9.4
	EER	W/W	2.81	2.71	2.61
Heating	Capacity	Btu/h	38000	50000	58000
	Input	W	3085	4059	4709
	Current	A	4.7	6.2	7.2
	COP	W/W	3.61	3.61	3.61
Indoor Unit	Indoor air flow(H/M/L)	m3/h	1500/1100/900	2200/1850/1400	2200/1850/1400
	Rated ESP	Pa	37	50	50
	ESP Range	Pa	0-160	0-160	0-160
	Sound pressure level(H/M/L)	dB(A)	45/38.5/36	47/43/39	48/44/41
	Dimension(WxDxH)	mm	1100x774x249	1200x874x300	1200x874x300
	Packing (WxDxH)	mm	1305x805x305	1405x915x355	1405x915x355
	Net/Gross weight	kg	34.5/41.9	47.3/56	47.3/56
	Drainage pipe	mm	ODΦ25	ODΦ25	ODΦ25
	Standard Controller	-	Wired control	Wired control	Wired control
	Compressor Type	-	ROTARY	ROTARY	ROTARY
Outdoor Unit	Throttle type	-	Throttle Valve	Throttle Valve	Throttle Valve
	Dimension(WxDxH)	mm	946x410x810	946x410x810	952x415x1333
	Packing(WxDxH)	mm	1090x500x875	1090x500x875	1095x495x1480
	Net/Gross weight	kg	67.3/73.1	74.3/79.9	94/107
	R410a Charged volume	kg	3	3.65	4
Refrigerant piping	Liquid / Gas side	mm	Φ9.52/Φ19	Φ9.52/Φ19	Φ9.52/Φ19
		inch	3/8"/3/4"	3/8"/3/4"	3/8"/3/4"
	Max. pipe length/height		30 / 20	50 / 30	50 / 30

Specifications

Full DC Inverter

Model	Indoor Unit		MTIU-12HWFN1-QRD0W	MTIU-18HWFNX-QRD0W	MTI-24HWFNX-QRD0
	Outdoor Unit		MOB30U-12HFNI-QRD0W-[X]	MOB30-18HFNI-QRD0W	MOCA30U-24HFNI-QRD0
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
Cooling	Capacity	Btu/h	12000	18000	24000
	Input	W	1300	1635	2191
	Current	A	6	7.20	10
	EER	W/W	2.71	3.23	3.21
Heating	Capacity	Btu/h	13000	20000	24000
	Input	W	1200.00	1578	1950
	Current	A	5.50	7	8.9
	COP	W/W	3.18	3.71	3.61
Indoor Unit	Indoor air flow(H/M/L)	m3/h	600/480/300	880/650/350	1500/1275/1050
	Rated ESP	Pa	25	25	25
	ESP Range	Pa	0-60	0-100	0-100
	Sound pressure level(H/M/L)	dB(A)	40/34.5/27.5	42/38/33	42/39/36
	Dimension(WxDxH)	mm	700x450x200	880x674x210	1100x774x249
	Packing (WxDxH)	mm	860x540x275	1070x725x280	1305x805x305
	Net/Gross weight	kg	18/22	24.3/29.6	31.7/39.1
	Drainage pipe	mm	ODΦ25	ODΦ25	ODΦ25
	Standard Controller	-	Wired control	Wired control	Wired control
	Compressor Type	-	ROTARY	ROTARY	ROTARY
Outdoor Unit	Throttle type	-	EXV	Capillary+EXV	Capillary+EXV
	Dimension(WxDxH)	mm	800x333x554	800x333x554	845x363x702
	Packing(WxDxH)	mm	920x390x615	920x390x615	965x395x765
	Net/Gross weight	kg	29.9/32.6	34.5/37.2	49/51.5
	R410a Charged volume	kg	1.05	1.35	1.95
Refrigerant piping	Liquid / Gas side	mm	Φ6.35/Φ9.52	Φ6.35/Φ12.7	Φ9.52/Φ15.9
		inch	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"
	Max. pipe length/height		25 / 10	30 / 20	50 / 25

Specifications

Full DC Inverter

Model	Indoor Unit		MTI-30HWFN1-QRDO	MTI-36HWFNX-QRDO	MTI-36HWFNX-QRDO
	Outdoor Unit		MOD30U-30HFN1-QRDO	MOD30U-36HFN1-QRDO	MOD30U-36HFN1-RRDO
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	380-415,50,3
Cooling	Capacity	Btu/h	30000	36000	36000
	Input	W	2836	4058	4058
	Current	A	13	18.5	7.48
	EER	W/W	3.10	2.60	2.60
Heating	Capacity	Btu/h	32000	38000	38000
	Input	W	2287	3085	3085
	Current	A	10.50	14.1	5.7
	COP	W/W	4.10	3.61	3.61
Indoor Unit	Indoor air flow(H/M/L)	m ³ /h	1540/1255/723	1800/1530/1260	1400/1150/750
	Rated ESP	Pa	37	37	37
	ESP Range	Pa	0-120	0-120	0-160
	Sound pressure level(H/M/L)	dB(A)	41/40/36.5	42/40/39	47/43/40
	Dimension(WxDxH)	mm	1570x805x305	1360x774x249	1360x774x249
	Packing (WxDxH)	mm	40.6/48.5	1570x805x305	1570x805x305
	Net/Gross weight	kg	4.2/1.5	40.2/48.4	40.5/48.5
	Drainage pipe	mm	Φ9.52/Φ15.9(3/8"/5/8")	ODΦ25	ODΦ25
	Standard Controller	-	17-30	Wired control	Wired control
	Compressor Type	-	ROTARY	ROTARY	ROTARY
Outdoor Unit	Throttle type	-	Capillary+EXV	Capillary+EXV	Capillary+EXV
	Dimension(WxDxH)	mm	946x410x810	946x410x810	946x410x810
	Packing(WxDxH)	mm	1090x500x865	1090x500x865	1090x500x865
	Net/Gross weight	kg	62.9/68.5	67.2/72.9	78.9/83.9
	R410a Charged volume	kg	2.8	3.2	3.2
Refrigerant piping	Liquid / Gas side	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
		inch	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"
	Max. pipe length/height		50 / 25	65 / 30	65 / 30

Specifications

Full DC Inverter

Model	Indoor Unit		MTI-48HWFNX-QRDO	MTI-48HWFNX-QRDO	MTI-55HWFNX-QRDO
	Outdoor Unit		MOE30U-48HFN1-QRDO	MOE30U-48HFN1-RRDO	MOE30U-55HFN1-RRDO
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	220-240,50,1	380-415,50,3	380-415,50,3
Cooling	Capacity	Btu/h	48000	48000	55000
	Input	W	5390	5200	6700
	Current	A	23.4	8.46	11.12
	EER	W/W	2.61	2.71	2.41
Heating	Capacity	Btu/h	55000	56000	60000
	Input	W	4345	4400	5300
	Current	A	18.9	7	8.65
	COP	W/W	3.71	3.73	3.32
Indoor Unit	Indoor air flow(H/M/L)	m ³ /h	2400/2040/1680	2400/2040/1680	2600/2210/1820
	Rated ESP	Pa	50	50	50
	ESP Range	Pa	0-160	0-160	0-160
	Sound pressure level(H/M/L)	dB(A)	50.5/49.5/48	52/-/48	57/55/54
	Dimension(WxDxH)	mm	1200x874x300	1200x874x300	1200x874x300
	Packing (WxDxH)	mm	1405x915x355	1405x915x355	1405x915x355
	Net/Gross weight	kg	47.6/55.8	46/55	46/55
	Drainage pipe	mm	ODΦ25	ODΦ25	ODΦ25
	Standard Controller	-	Wired control	Wired control	Wired control
	Compressor Type	-	ROTARY	ROTARY	ROTARY
Outdoor Unit	Throttle type	-	Capillary+EXV	Capillary+EXV	Capillary+EXV
	Dimension(WxDxH)	mm	952x410x1333	952x415x1333	952x415x1333
	Packing(WxDxH)	mm	1095x500x1470	1095x495x1480	1095x495x1480
	Net/Gross weight	kg	95.1/108.4	108.1/121.2	112.8/126
	R410a Charged volume	kg	4	4	4.3
Refrigerant piping	Liquid / Gas side	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
		inch	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"
	Max. pipe length/height		65 / 30	65 / 30	65 / 30



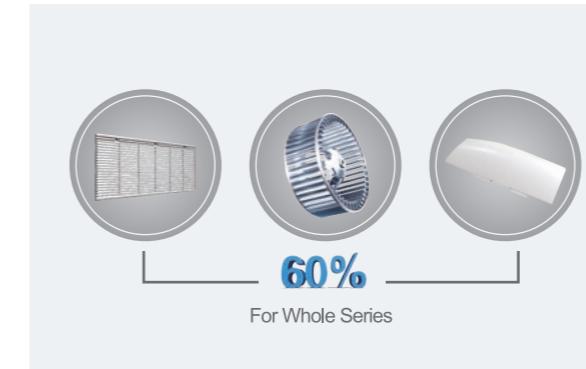
CEILING & FLOOR

Ceiling & Floor



Standard	Optional
	
Wide-angle Air Flow	2-way Draining
	
"Diamond-Edged" Casing	Fresh Air
	
Indoor Unit Golden Fin	Wired Control
	
Auto Swing	Build-in Drain Pump
	
24-hour Timer	Follow Me
	
Louver Position Memory	
	
Manual ON/OFF	
	
Auto Restart Function	
	
Self-diagnosis and Auto-protection	
	
Refrigerant Leakage Detect	
	
Outdoor Unit Golden Fin	
	
Easy Maintenance	

Easy Maintenance



More than 60% parts and assemblies (such as fan wheel, plastic cases, metal parts and etc.) are universal for 3 different bodies, which makes the production and maintenance much easier.

Turbo



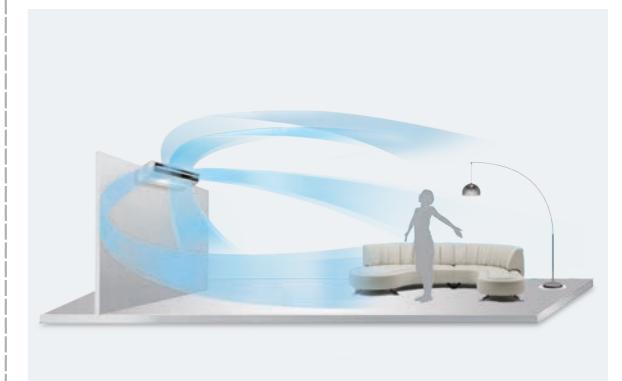
This function can boost cooling or heating speed in a short period of time, making the room cool down or heat up rapidly.

Fresh Air



Air outside can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy.

3D Air Flow



The unit has auto horizontal swing and auto vertical swing function, which supplies more even and comfortable air flow.

Specifications

DC Inverter

Model	Indoor Unit		MUE-36HRDN1-RW(B)	MUE-48HRDN1-QW(B)	MUE-55HRDN1-QW(B)
	Outdoor Unit		MOD30U-36HDN1-RW	MOD30U-48HDN1-RW	MOE30U-55HDN1-RW
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	380-415,50,3	380-415,50,3	380-415,50,3
Cooling	Capacity	Btu/h	36000	48000	55000
	Input	W	3950	5191	6900
	Current	A	6.30	8.30	11.0
	EER	W/W	2.67	2.71	2.34
Heating	Capacity	Btu/h	38000	50000	58000
	Input	W	3400	4175	5900
	Current	A	5.50	6.75	10.0
	COP	W/W	3.28	3.51	2.88
Indoor Unit	Indoor air flow(H/M/L)	m³/h	1754/1459/1208	2225/1848/1624	2203/1876/1674
	Sound pressure level(H/M/L)	dB(A)	55.7/51.5/46.8	55.3/51.5/49.2	53.4/50.5/48
	Dimension(WxDxH)	mm	1285x675x235	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1360x755x313	1725x755x313	1725x755x313
	Net/Gross weight	kg	30.1/35.4	37.5/43.8	40/46
	Drainage pipe	mm	ODΦ25	ODΦ25	ODΦ25
	Standard Controller	-	Remote control	Remote control	Remote control
	Compressor Type	-	ROTARY	ROTARY	ROTARY
	Throttle type	-	Throttle Valve	Throttle Valve	Throttle Valve
	Dimension(WxDxH)	mm	946x410x810	946x410x810	952x415x1333
Outdoor Unit	Packing(WxDxH)	mm	1090x500x875	1090x500x875	1095x495x1480
	Net/Gross weight	kg	67.3/73.1	74.3/79.9	94/107
	R410a Charged volume	kg	3	3.65	4
Refrigerant piping	Liquid / Gas side	mm	Φ9.52/Φ19	Φ9.52/Φ19	Φ9.52/Φ19
		inch	3/8"/3/4"	3/8"/3/4"	3/8"/3/4"
	Max. pipe length/height	m	30 / 20	50 / 30	50 / 30

Specifications

Full DC Inverter

Model	Indoor Unit		MUE-18HRFNX-QRDO	MUE-24HRFNX-QRDO	MUE-30HRFN1-QRDO
	Outdoor Unit		MOB30U-18HFN1-QRDO	MOCA30U-24HFNI-QRDO	MOD30U-30HFN1-QRDO
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
Cooling	Capacity	Btu/h	18000	24000	30000
	Input	W	1630	2340	2960
	Current	A	7.5	10.2	14
	EER	W/W	3.24	3.01	2.97
Heating	Capacity	Btu/h	19000	24000	32000
	Input	W	1460	1953	2475
	Current	A	6.7	8.9	11
	COP	W/W	3.81	3.60	3.79
Indoor Unit	Indoor air flow(H/M/L)	m³/h	902/786/677	1180/1050/850	1650/1450/1250
	Sound pressure level(H/M/L)	dB(A)	45/40/37	53/48/42	54/49/44
	Dimension(WxDxH)	mm	1068x675x235	1068x675x235	1285x675x235
	Packing (WxDxH)	mm	1145x755x313	1145x755x313	1360x755x313
	Net/Gross weight	kg	26.6/31.8	25/30	31/36.5
	Drainage pipe	mm	ODΦ25	ODΦ25	ODΦ25
	Standard Controller	-	Remote control	Remote control	Remote control
	Compressor Type	-	ROTARY	ROTARY	ROTARY
	Throttle type	-	Capillary+EXV	Capillary+EXV	Capillary+EXV
	Dimension(WxDxH)	mm	800x333x554	845x363x702	946x410x810
Outdoor Unit	Packing(WxDxH)	mm	920x390x615	965x395x765	1090x500x865
	Net/Gross weight	kg	35.5/38.4	49/51.5	62.9/68.5
	R410a Charged volume	kg	1.78	1.95	2.8
Refrigerant piping	Liquid / Gas side	mm	Φ6.36/Φ12.7	Φ9.52/Φ15.9	Φ9.52/Φ15.9
		inch	1/4"/1/2"	3/8"/5/8"	3/8"/5/8"
	Max. pipe length/height	m	30 / 20	50 / 25	50 / 25

Specifications

Full DC Inverter

Model	Indoor Unit		MUE-36HRFNX-QRDO	MUE-48HRFNX-QRDO
	Outdoor Unit		MOD30U-36HFN1-QRDO	MOE30U-48HFN1-QRDO
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1
Cooling	Capacity	Btu/h	36000	48000
	Input	W	3768	5190
	Current	A	17.2	22.50
	EER	W/W	2.80	2.71
Heating	Capacity	Btu/h	38000	55000
	Input	W	3094	4730
	Current	A	14.1	20.60
	COP	W/W	3.60	3.41
Indoor Unit	Indoor air flow(H/M/L)	m³/h	2048/1767/1403	2329/1930/1417
	Sound pressure level(H/M/L)	dB(A)	52/46/40	54/50/46
	Dimension(WxDxH)	mm	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1725x755x313	1725x755x313
	Net/Gross weight	kg	40.3/46.9	41.2/47.6
	Drainage pipe	mm	ODΦ25	ODΦ25
	Standard Controller	-	Remote control	Remote control
	Compressor Type	-	ROTARY	ROTARY
	Throttle type	-	Capillary+EXV	Capillary+EXV
	Dimension(WxDxH)	mm	946x410x810	952x410x1333
Outdoor Unit	Packing(WxDxH)	mm	1090x500x875	1095x500x1470
	Net/Gross weight	kg	67.3/72.9	95.1/108.4
	R410a Charged volume	kg	3.2	4
Refrigerant piping	Liquid / Gas side	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9
		inch	3/8"/5/8"	3/8"/5/8"
	Max. pipe length/height	m	65 / 30	65 / 30

Specifications

Full DC Inverter

Model	Indoor Unit		MUE-48HRFNX-QRDO	MUE-55HRFNX-QRDO
	Outdoor Unit		MOE30U-48HFN1-RRDO	MOE30U-55HFN1-RRDO
Power Supply	Indoor Unit	V,Hz,Ph	220-240,50,1	220-240,50,1
	Outdoor Unit	V,Hz,Ph	380-415,50,3	380-415,50,3
Cooling	Capacity	Btu/h	54000	54000
	Input	W	6060	6060
	Current	A	11	11
	EER	W/W	2.61	2.61
Heating	Capacity	Btu/h	62000	62000
	Input	W	5645	5645
	Current	A	9.7	9.7
	COP	W/W	3.22	3.22
Indoor Unit	Indoor air flow(H/M/L)	m³/h	2454/1834/1426	2454/1834/1426
	Sound pressure level(H/M/L)	dB(A)	54/47/42	54/47/42
	Dimension(WxDxH)	mm	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1725x755x313	1725x755x313
	Net/Gross weight	kg	41.4/47.8	41.4/47.8
	Drainage pipe	mm	ODΦ25	ODΦ25
	Standard Controller	-	Remote control	Remote control
	Compressor Type	-	ROTARY	ROTARY
	Throttle type	-	Capillary+EXV	Capillary+EXV
	Dimension(WxDxH)	mm	952x415x1333	952x415x1333
Outdoor Unit	Packing(WxDxH)	mm	1095x495x1480	1095x495x1480
	Net/Gross weight	kg	108.1/121.2	112.8/126
	R410a Charged volume	kg	4	4.3
Refrigerant piping	Liquid / Gas side	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9
		inch	3/8"/5/8"	3/8"/5/8"
	Max. pipe length/height	m	65 / 30	65 / 30

Remote Controller

**RG58**

- Functions:
- All basic functions (Mode, fan speed, temperature)
 - Economic
 - 2 swing control
 - 24 hours timer
 - Exquisite appearance and LCD display with backlight
 - Optional for all indoor units

**RG70**

- Functions:
- All basic functions (Mode, fan speed, temperature)
 - Economic
 - 2 swing control
 - 24 hours timer
 - Exquisite appearance and LCD display with backlight
 - Optional for all indoor units

**KJR-12B**

- Functions:
- All basic function (Mode, fan speed, temperature)
 - Economic function
 - Swing function
 - Follow me function
 - Auto-restart function
 - Exquisite appearance and LCD display
 - Standard for duct units and applicable for all kinds of indoor units.

**KJR-120C**

- Functions:
- All basic function
 - 7-days Weekly schedule setting
 - Individual louver control of cassette panel
 - Dual-way communication
 - Auto-restart function
 - Exquisite appearance and LCD display
 - Applicable for all inverter indoor units.
 - LCD display
 - Malfunction code display: it can display the error code, helpful for service
 - 4-way wire layout design, no raised part at backside, more convenient to place the wires and install the device
 - Room temperature display
 - Weekly Timer

**KJR-120G**

- Functions:
- All function of KJR-120C
 - Max. 16 indoor units can be controlled at the same time
 - Error code inquiry for each unit
 - Screwed 2 wires connection without polarity
 - Exquisite appearance and LCD display
 - Applicable for all inverter indoor units.
 - LCD display
 - Malfunction code display: displays the error code (helpful for servicing)
 - 2 wires without polarity
 - Room temperature display
 - Weekly Timer

App Remote Control

APP Remote Control

Control the air conditioner and set timers easily through the app. You can turn on the air conditioner before getting home and be greeted with the perfect temperature.



Smart Diagnosis

Midea's air conditioners feature Smart Diagnosis, an automatic monitoring system that detects and diagnoses 97 types of errors at an early stage and notifies you via the smartphone app.



Weekly Timers

Set the air conditioner's schedule for a whole week. Choose when you want it to turn on and off, so you can enjoy comfort that fits your schedule.



App remote control requires hardware "smart kit" support. Configuration is shown as below.



Project Reference



Maple I & II

Country: UAE
City: Dubai
Product type: Duct
Completion year: 2018



Mira Oasis

Country: UAE
City: Dubai
Product type: Duct
Completion year: 2018



Djibouti Foundation School

Country: Djibouti
City: Addis Ababa/Djibouti
Product type: Multi split
Floor standing
Completion year: 2016



Blue Boat Hotel

Country: Thailand
City: Chonburi(Pattaya)



Mall Kota Kasablanka

Country: Indonesia
City: Jakarta
Product type: Cassette and duct



Bizim Evler

Country: Turkey
City: Istanbul
Product type: Cassette
Completion year: 2016



7R Logistic Center

Country: Poland
City: Krakow
Product type: Wall-mounted and cassette



Gabon Stadium

Country: Gabon
City: Gabon
Product type: Duct
Completion year: 2016



Forest City -commercial street

Country: Malaysia
City: Johor Bahru
Product type: Light commercial cassette
Completion year: 2015



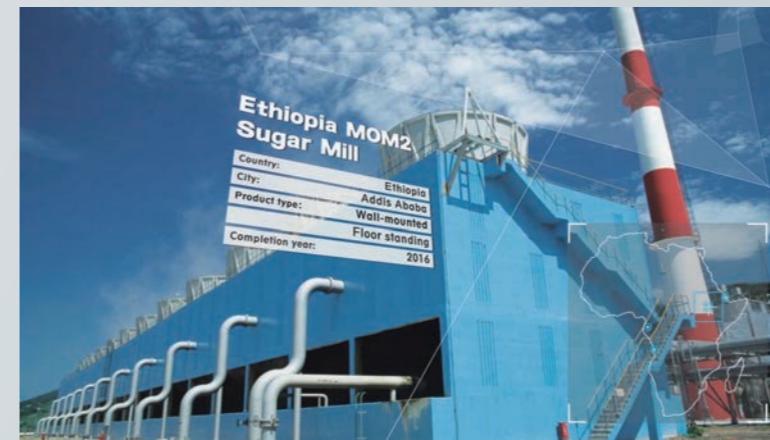
Dar Al-Tijara Business Center

Country: Saudi Arabia
City: Jeddah
Product type: Duct
Business center



Ethiopia-Djibouti Railway Station

Country: Ethiopia/Djibouti
City: Addis Ababa/Djibouti
Product type: Wall-mounted
Floor standing
Completion year: 2017



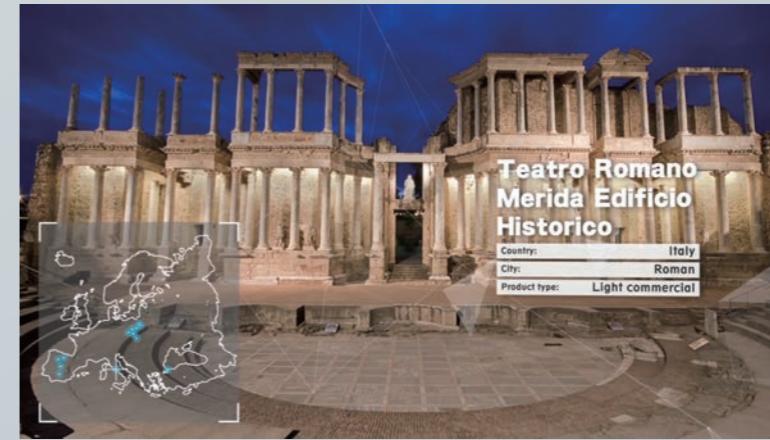
Ethiopia MOM2 Sugar Mill

Country: Ethiopia
City: Addis Ababa
Product type: Wall-mounted
Floor standing
Completion year: 2016



Salamanca Hospital

Country: Spain
City: Salamanca
Product type: Light commercial



Teatro Romano Merida Edificio Historico

Country: Italy
City: Roman
Product type: Light commercial



Angola N'zeto Substation

Country: Angola
City: Zaire
Product type: Cassette
Wall-mounted
Completion year: 2018