Specifications

Model Name	Indoor Unit		DUCMI200IHC-3PH	DUCMI220IHC-3PH
	Outdoor Unit		UCMI200OC-3PH	UCMI220OC-3PH
Power supply	Indoor Unit	V/Ph/Hz	220-240V/1/50-60Hz	
	Outdoor Unit	V/Ph/Hz	380-415/3/50	
Power input		kW	6.7	6.99
Cooling[1]	Capacity	kW	20.5	22.0
		kBtu/h	69.9	75.0
	EER		3.06	3.15
	AEER		3.08	3.15
Heating[2]	Capacity	kW	23.0	24.5
		kBtu/h	78.4	83.6
	COP		3.29	3.40
	ACOP		3.28	3.25
Star rating	HOT: Brisbane Darwin Pacific Is	Cooling	2.0	2.0
		Heating	2.0	2.0
	AVERAGE: Adelaide, Perth, Sydney	Cooling	1.5	1.5
		Heating	1.5	1.5
	COLD: Canberra, Hobart, Melbourne, New Zealand	Cooling	1.5	2.0
		Heating	1.5	1.5
Ambient temp. operation range	Cooling	°C (DB)	-5~48	
	Heating	°C (WB)	-20~24	
Indoor unit	Air flow rate[3]	m^3/h	5200/4911/4622/4333/4044/3756/3467	
	External static pressure[4]	Pa	150 (50-280)	
	Sound pressure level[5]	dB(A)	51/49/47/45/43.5/42/41	
	Sound power level	dB(A)	70.5/69/67/65/63/61/60	
	Net dimensions (W×H×D)[6]	mm	1300×477×910	
	Packed dimensions (W×H×D)	mm	1580×650×1090	
	Net weight	kg	82	
	Gross weight	kg	120	
Outdoor Unit	Compressor type		DC inverter rotary	
	Compressor quantity		1	
	Fan type		Propeller	
	Fan quantity		2	
	Air flow rate	m^3/h	11300	
	Refrigerant type		R410A	
	Refrigerant factory charge		10.2	
	Sound pressure level[7]	dB(A)	61	
	Sound power level	dB(A)	81	
	Net dimensions (W×H×D)	mm	1120×1558×528	
	Packed dimensions (W×H×D)	mm	1270×1720×565	
	Net weight	kg	159	
	Gross weight	kg	175	
Max pipe length/height		m	60/40	
Pipe connections	Liquid pipe	mm	12.7	
	Gas pipe	mm	25.4	
	Drain pipe	mm	OD Φ32	

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
4. Stable operation external static pressure range. (Setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
5. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
6. Unit body dimensions given are the largest external dimensions of the unit, no including hanger attachments.
7. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

Midea Building Technologies Division
Midea Group

Add.: Midea Headquarters Building, 6 Midea Avenue, Shunde, Foshan, Guangdong, China
Postal code: 528311
mbt.midea.com/global www.midea-group.com ics.midea.com

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Quality Assurance ISO 9001
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B-Quantum(AU)-UCMI202602

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Quantum Series (AU)



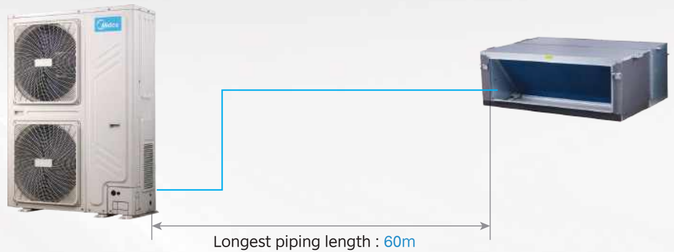
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Long Refrigerant Pipe Connection

The refrigerant pipe can be up to 60m long, making installation more flexible and simpler.

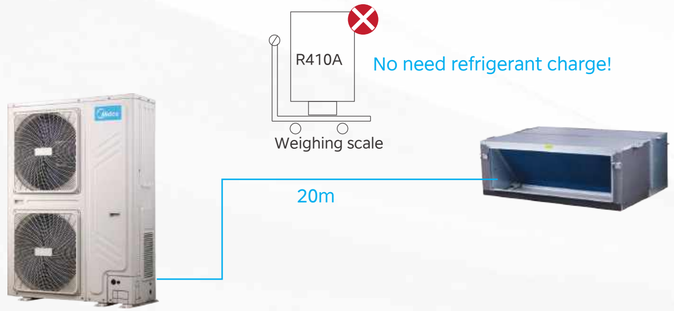
A single outdoor unit supports 1 indoor unit



Note: One outdoor unit can only be connected to one indoor unit, and the capacity of the indoor and outdoor units must be the same.

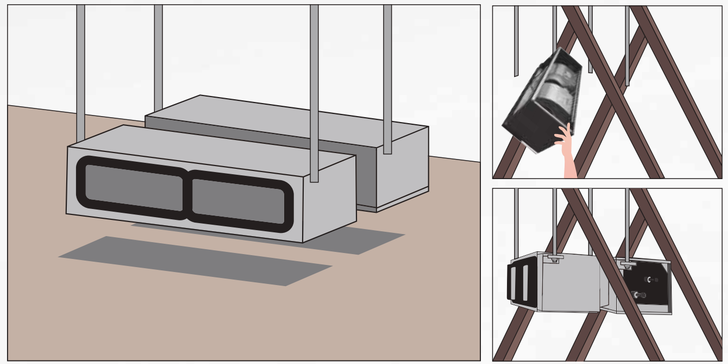
Pre-Charge the Refrigerant at the Factory

The system has been pre-charged with refrigerant in the factory, which can support the installation of pipelines up to 20m, that is, the system with a pipe length of less than 20m does not need additional refrigerant, which further simplifies the installation.



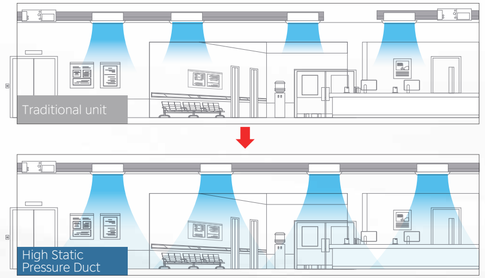
Installation of Duct in Sections

High Static Pressure Duct units support installation in sections, reducing the weight and size of individual units for easy handling and installation.



Static Pressure Up to 280Pa

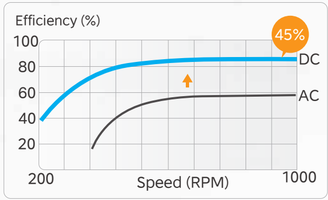
The unit can achieve static pressure of up to 280Pa, allowing for longer air supply distances. This is particularly beneficial in long and narrow spaces like corridors, while also reducing the total number of units needed and saving on capital costs.

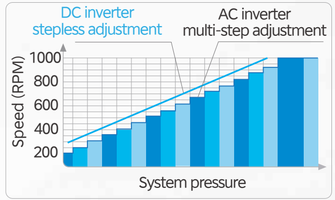


Full DC Inverter Technology

The outdoor unit uses full DC inverter compressor and fan motor to achieve high precision stepless speed adjustment according to system operation, and ensures that the system is always in optimum condition, operating more efficiently, more consistently and with less noise.

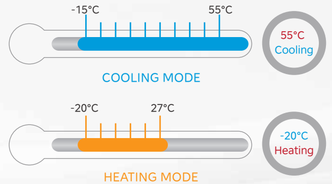






Wide Operation Range

The system can operate in a wide ambient temperature range. It can operate stably from -15°C up to 55°C in cooling mode and from -20°C to 27°C in heating mode.



Multiple Fan Speeds

The 7 indoor fan speed options meet the needs of different indoor conditions.

