



Inverter Split Wall Mounted
PRODUCT CATALOGUE
2025

AI ECOMASTER

Master AI Saving, Better Comfort Cooling

Real AI master control based on giga-scale big data, Balancing energy-saving and comfort needs.



Master Giga Data



Master Precise Control



Master Comfort Saving

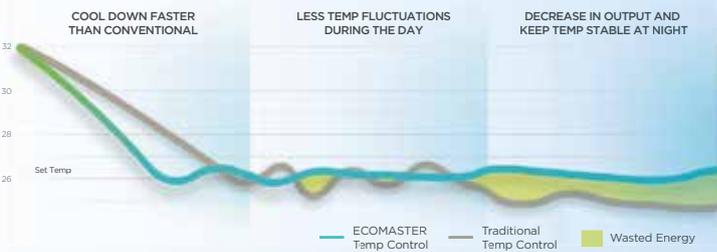
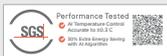


Percentage energy saving compare to the lowest 2 stars rating air conditioning, 38% is applicable to 1HP Numen Inverter.

MASTER
30%* Extra
Energy Saving with AI Algorithm

MASTER AI Temperature Control
±0.3°C

Verified by



* Compare the 4-hour power consumption of the same model in ECOMASTER mode and normal mode.

Cool Flash

5°C
in 10 mins*
from 36°C to 31°C

Air Volume
665M³/h

Air Distance**
8.1M

The latest generation of COOLFLASH achieves faster cooling speed, stronger air circulation, larger swing angle, and further airflow distance through dual upgrades of hardware and software. With one press of the COOLFLASH button, the room can be quickly cooled down to the desired temperature, immersing you in an evenly cool room.

* Tested by Midea Lab for 10-minute cooling. The room temp of 1.5HP Celest AC dropped by 5°C, with an initial room temp is 36°C, and the outdoor temp is 43°C, 60% RH.
** Tested on the 1.5HP Celest AC in Coolflash mode by Midea Lab, the farthest distance refers to a wind speed of no less than 0.3m/s



Power Cooling Beats the Heat

Even at high temperatures of up to **55°C**, Midea Inverter still operates effectively, beating heat and providing optimal cooling to the room.



I - Clean Reclean the AC, Refresh your breath.

Midea Inverter AC has been upgraded from water washing (20 mins) to frost cleaning (42 mins), which can remove more dust and bacteria, keeping the AC clean and performing well.



Cooling mode & Mid-speed wind



The temperature cools rapidly (T < -10°C) and frost forms on the evaporator surface.



Defrost into water to remove dust and dirt.



Dry the evaporator to prevent mold growth.

Total **42mins**

Prime Guard

TU1 Corrosion-Resistance Copper Tube

70% less impurities than ordinary tubes.

Compared with the ordinary tubes, TU1 reduces the impurity content, and its corrosion resistance and thermal conductivity are improved.

TP2

More Impurities & Less Consistency

VS

TU1

Fewer Impurities & Better Consistency



Built to Last

Prime technologies in reliability and durability Guard comfort cool.

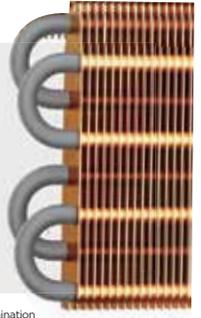
Silver Shield Anti-corrosive Coating

The left side of the evaporator are coated with "environmentally friendly polymer coating & technological baking method" to prevent the copper pipe from being polluted and corroded by air pollutants, making it more secure and durable.

<0.1% vs **>50%**

Anti-corrosive Coated Pipe

Ordinary Pipe



Verified by **intertek** Depended on the using industrial environment with salt contamination (Ref. ISO 21207: 2015, Annex A, test method B)

Wide Voltage Operation

Thanks to Ultra Electronic Control System, Midea's Inverter can work stably in 80V-265V*. Whether it is the peak of urban electricity consumption or the shortage of power supply in remote areas, it can always work consistently and smoothly.

CONVENTIONAL 184V 265V

MIDEA 80V 265V



* The voltage operation range of BP3 is 80-265V, BP2 is 150-265V, and 18k and above is 120-256V.

Reliable PCB with UV Conformal Coating

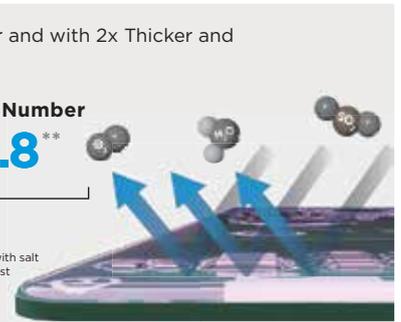
Curing using UV light, Greener and with 2x Thicker and Higher Density Protection

Corrosion Area **Rating Number**
<0.02%* **9.8****

Verified by **intertek**

* Depended on the using industrial environment with salt contamination (Ref. ISO 21207: 2015, Annex A, test method B, JIS Z 2371:2015 Annex JC)

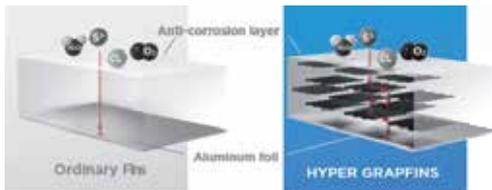
** The full rating number is 10.



HYPER GRAPFINS™

12.5X* Corrosion Resistance than Blue Coated Fins

Graphene is a single monolayer of carbon atoms, tightly bound in a hexagonal honeycomb lattice. When graphene is added to the anti-corrosion layer, the density of the layer can be improved to resist corrosion.



Verified by **intertek**

* The judgment standard of corrosion resistance is based on comparing the maximum corrosion area ratio of the rating number in JIS Z 2371-2015. Compared samples are Midea fins: Midea blue coated fins in HD2202-2/HW3308, Midea HYPER GRAPFINS in HMD011/HW3308.

AUTO DEDUSTING



When the AC is turned off, the fan blade of the outdoor unit will automatically rotate in reverse to get rid of the accumulated sand and dust, ensuring the AC is clean and operates well in any environment.

Easy To Maintain

Quick and Easy to Pull-out PCB

The Easier Solution for PCB Replacement

Maintenance efficiency increased by **32%**

5 steps



1 Open the Front Panel (3S)
2 Remove ONE screw from the Electronic Control Box (5S)
3 Take Away the Electronic Control Box Cover (3S)
4 Remove Wire Terminals (60S)
5 Pull Out the PCB (3S)

Pull-out Fan Motor

The Easier Solution for Fan Motor Replacement

Maintenance efficiency increased by **72%**

4 steps



1 Remove the Front Frame (1min)
2 Remove the Electronic Control Box (1min)
3 Take Away the Motor Bracket (1min)
4 Pull Out the Fan Motor (20S)

FEATURES



ECOMASTER
30% Extra Energy Saving



HYPER GRAPPINS



Anti-Corrosive Coated Pipe



TUI Corrosion-resistance Copper Tube



Coolflash
5°C In 10 Mins



I-Clean



Easy To Maintain



Follow Me (I-Sense)



Low Noise



Smart Diagnosis

APPEARANCE



Indoor Unit



Remote Control

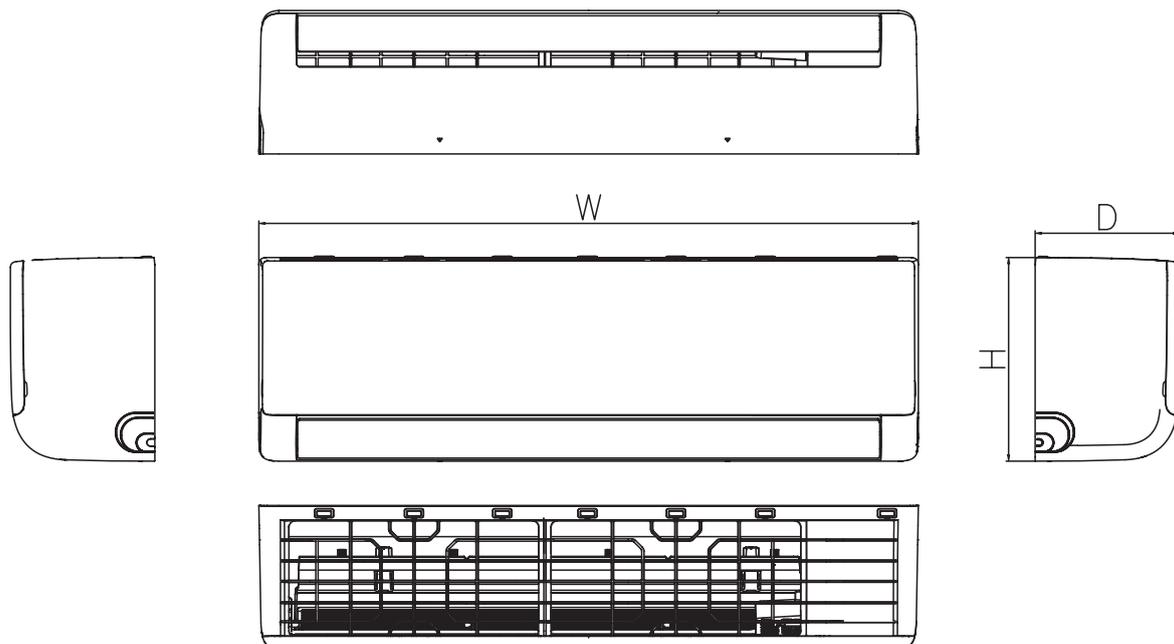


Outdoor Unit

SPECIFICATIONS

Model	Indoor		MSCE-10CRFN8-ID	MSCE-13CRFN8-ID	MSCE-19CRFN8-ID	MSCE-25CRFN8-ID
	Outdoor		MSCE-10CRFN8-OD	MSCE-13CRFN8-OD	MSCE-19CRFN8-OD	MSCE-25CRFN8-OD
Cooling Capacity	Rated (Min-Max)	Btu/h	10,000 (1,250-11,109)	12,000 (3,900-12,500)	18,000 (6,900-18,500)	24,000 (9,600-25,500)
Power consumption	Rated (Min-Max)	W	890(135-1,080)	1,250(150-1,250)	1,758(190-1,850)	2,512(790-2,750)
Running current	Rated (Min-Max)	A	3.87(1.01-4.7)	5.09(1.6-5.45)	7.64(1.48-8.7)	10.92(3.95-11.95)
CSPF(Cooling seasonal performance factor)		Wh/Wh	4.99	4.88	5.30	4.95
Energy Efficiency Star Rating						
Power supply		V,Hz,Ph	220-240V-,50Hz,1Ph ((power supply to indoor))			
Indoor unit	Indoor air flow (H)	m³/h(cfm)	600 (353)	630 (370)	895 (526)	1,112(654)
	Indoor Sound level (H/M/L)	dB(A)	39.5/34.5/31.5	39.5/34.5/31.5	44.5/37/34.5	47/40/36.5
	Dimension(W*D*H)	mm	813x201x289	813x201x289	975x218x308	1055x231x330
	Packing (W*D*H)	mm	870x270x365	870x270x365	1035x295x385	1130x405x310
	Net/Gross weight	Kg	7.8/9.8	7.8/9.8	10.1/13.2	12.1/15.8
Outdoor unit	Outdoor Sound level	dB(A)	52	55	56	59
	Dimension(W*D*H)	mm	668x252x469	668x252x469	765x303x555	805x330x554
	Packing (W*D*H)	mm	765x270x515	765x270x515	887x337x610	915x370x615
	Net/Gross weight	Kg	17.0/18.6	17.0/18.5	24.2/26.9	29.9/32.5
	Refrigerant Charge	g	R32/360g	R32/420g	R32/650g	R32/830g
	Design pressure	MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	φ6.35/φ9.52(1/4"/3/8")	φ6.35/φ9.52(1/4"/3/8")	φ6.35/φ12.7(1/4"/1/2")	φ6.35/φ12.7(1/4"/1/2")
	Max. refrigerant pipe length	m	25	25	30	50
	Max. difference in level	m	10	10	20	25
Indoor-Outdoor connection wiring (Not included)			4x1.5 mm ²	4x1.5 mm ²	4x2.5 mm ²	4x2.5 mm ²
Power supply wiring (Not included)			3x1.5 mm ²	3x1.5 mm ²	3x2.5 mm ²	3x2.5 mm ²
Thermostat type			Wireless Remote Control (Wired control optional)			

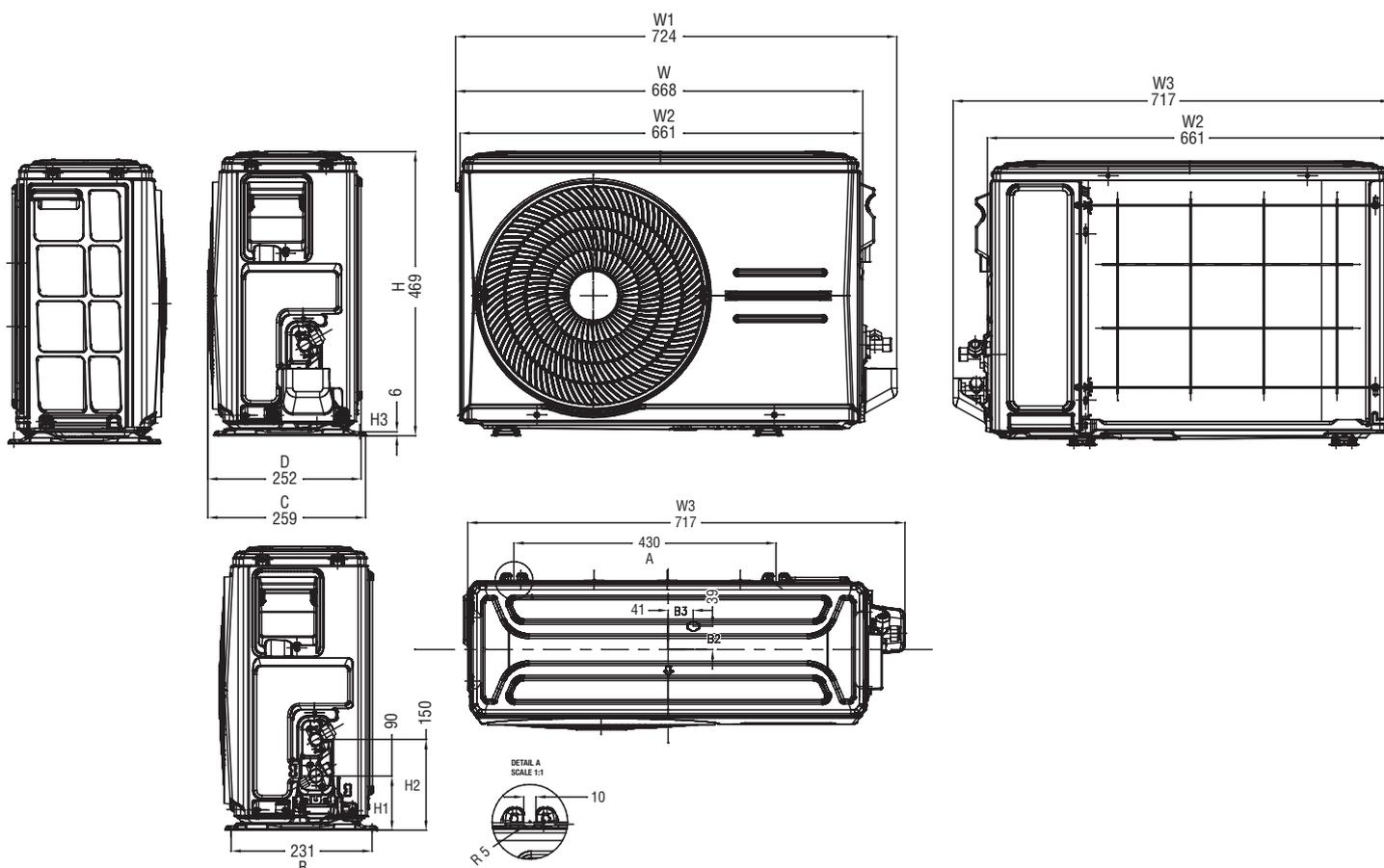
INDOOR UNIT DIMENSION



CELEST INDOOR DIMENSION			
Model	W (mm)	D(mm)	H(mm)
MSCE-10CRFN8	813	201	289
MSCE-13CRFN8	813	201	289
MSCE-19CRFN8	975	218	308
MSCE-25CRFN8	1055	231	330

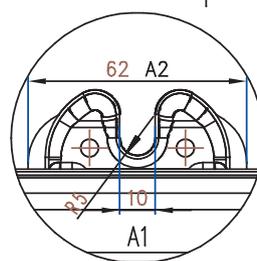
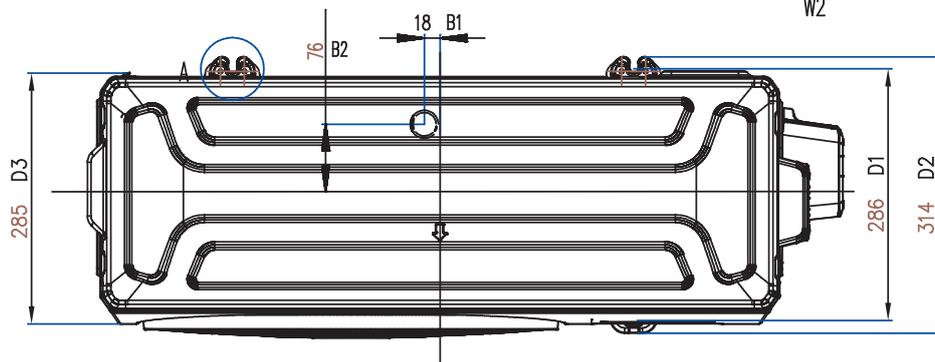
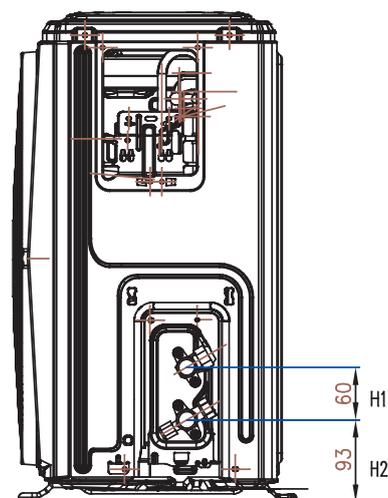
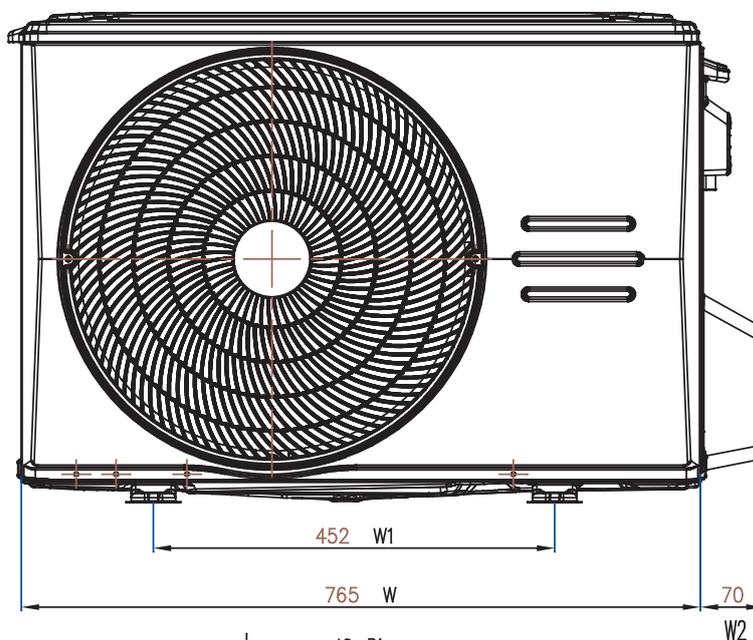
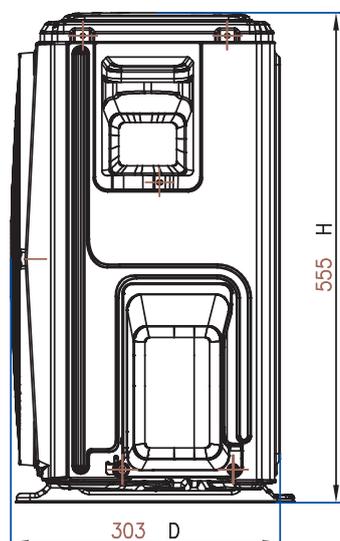
OUTDOOR UNIT DIMENSION

MSCE-10CRFN8-OD & MSCE-13CRFN8-OD



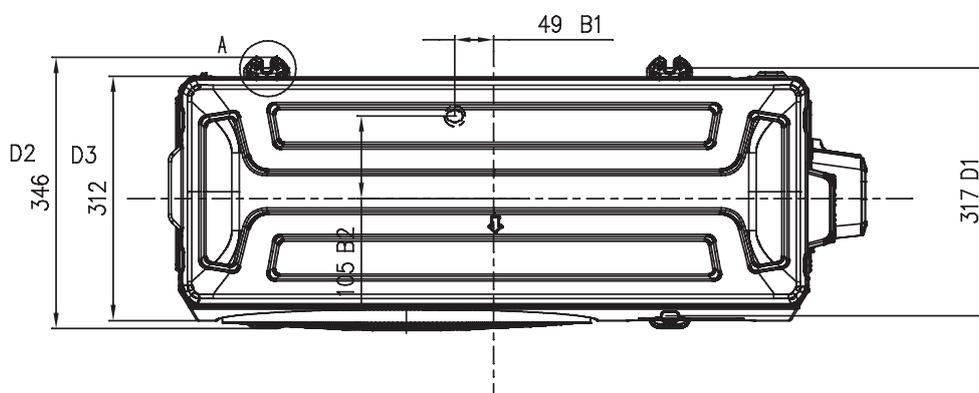
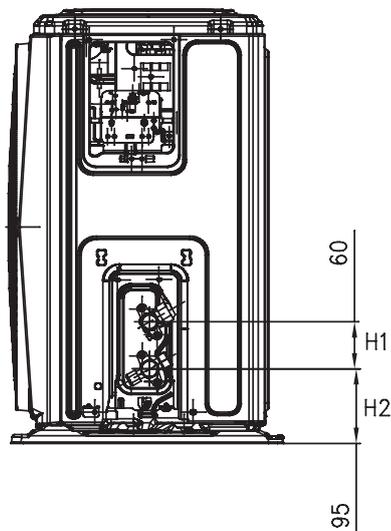
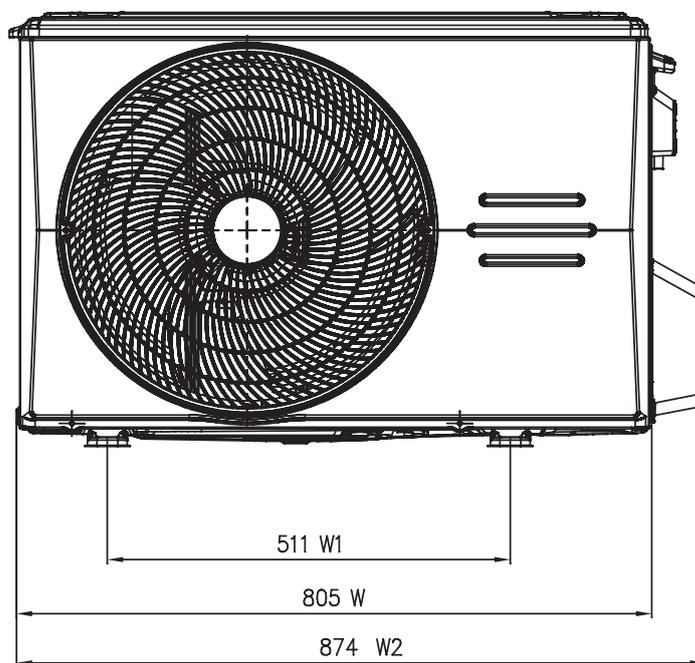
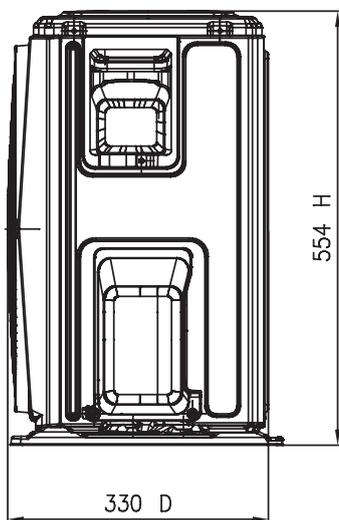
OUTDOOR UNIT DIMENSION

MSCE-19CRFN8-OD

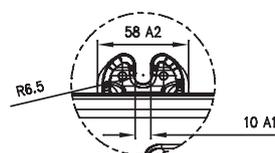


OUTDOOR UNIT DIMENSION

MSCE-25CRFN8-OD



DETAIL A
SCALE 1:1



ERROR CODE QUICK TROUBLESHOOTING

Display Code	Error Information	Quick Solution
dF	Defrost	Normal Display, not error code
CL	Active Clean	
nF	Filter replacement reminder(power on display for 15 seconds)	
FC	Forced cooling	
AP	AP mode of WIFI connection	
CP	Remote switched off	
SD	Power abnormal detection	Check power supply
EH 00/EHOR	Indoor EEPROM malfunction	Check power and Indoor PCB
EL 01	Communication malfunction between indoor and outdoor units	S signal wire coneciton, outdoor main control board, indoor PCB
EH 02	Zero-crossing signal detection error	Check connection wire, check indoor PCB
EH 03	The indoor fan speed is operating outside of the normal range	Check indoor fan motor wire connection,indoor PCB, indoor Fan motor
EC 51	Outdoor EEPROM parameter error	Outdoor main PCB
EC 52	Condenser coil temperature sensor T3 is in open circuit or short circuit	Check outdoor condenser coil sensor or main PCB
EC 53	Outdoor ambient temperature sensor T4 is in open circuit or short circuit	Check outdoor condenser room temp. sensor or main PCB
EC 54	Compressor discharge temperature sensor TP is in open circuit or short circuit	Check outdoor compressor discharge temp. sensor or main PCB
EH 60	Indoor room temperature sensor T1 is in open circuit or short circuit	Check indoor room temp. sensor
EH 61	Evaporator coil middle temperature sensor T2 is in open circuit or short circuit	Check indoor coil temp. sensor
EC 07	The outdoor fan speed is operating outside of the normal range	Check outdoor fan motor wire connection,outdoor main PCB, outdoor Fan motor
EH 0b	Communication error between indoor PCB and display PCB	Check indoor display board connection wire
EL 0C	Refrigerant leakage detection System lacks refrigerant	Check gas leaking, copper pipe flare nut, indoor PCB
PC 00	IPM malfunction or IGBT over-strong current protection	Wire connection, Inverter modular, Outdoor Main PCB, compressor
PC 01	Outdoor unit voltage protection (low or high voltage)	Power supply, Inverter modular, Outdoor Main PCB, Reactor
PC 02	"Compressor top discharge temperature sensor protection IPM module or High pressure protection"	Check sensor, gas pressure, system blockage
PC 04	Inverter compressor drive error	Inverter modular, Outdoor Main PCB, compressor
PC 40	Communication error between outdoor main chip and compressor driven chip	Check outdoor main PCB
PC 03	High pressure protection or low pressure protection	Check outdoor main PCB
PC 08	Current overload protection	Wire connection, Outdoor Main PCB, Reactor, Outdoor Fan motor
FH 0P	AP mode is active but there is no WIFI kit installed	Check Wi-Fi connection

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JOHOR

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PERAK

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Kawasan Perindustrian Pengkalan,
31500 Lahat, Perak.
Tel: 05-323 2529 Fax: 05-323 2529

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25350 Kuantan, Pahang Darul Makmur.
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MALACCA

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KOTA BHARU

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SABAH

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Midea Care Line

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Dealer's Stamp:



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