



numen^{Pro}
INVERTER

SURPRISE MOMENTS

Inverter Split Wall Mounted
PRODUCT CATALOGUE
2026

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



Inverter Than Inverter, Master Comfort Saving

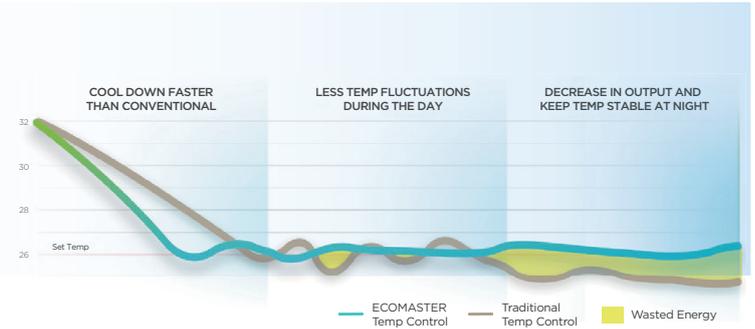
38%*
LESS ENERGY

Percentage energy saving compare to the lowest 2 stars rating air conditioning. 38% is applicable to IHP 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.

Smart Energy Management

Visible saving under your thumb



Energy Monitor
Monitor the daily, weekly, and monthly usage duration and energy consumption of the air conditioner.

Energy Report
The energy consumption report includes ECOMASTER activation time, energy usage, and comparisons with the previous month.

Time Forecasting
Active ECOMASTER at cool mode, you can see how soon the room temperature is going to reach the target temperature.

Energy Reminder
Set a monthly energy consumption target, and you will be notified once the consumption reaches a percentage of the set target.

Smart Scenario Application

Control Sharing
Share device and account with families

Pet Care Scene
Preset pet care conditions when away from home

Location Based Service
Set home location, AC auto turns on/off when you arrive/leave.

Filter Management
Preset filter running time and receive filter replacement reminder

My Favorite
Personalized preferred setting based on personal habits

Weather Linked Service
Automatically activate AC based on preset weather conditions

Sleep Curve
Customized sleep curve

AI Humidity Control

Midea's AI Humidity Control automatically maintains the ideal 40%-70% RH range for ultimate comfort. Powered by AI algorithms, it intelligently adjusts fan speed and cooling power to add or remove moisture, ensuring you enjoy fresh, balanced air without ever lifting a finger.



Silent Mode

Worried your AC's constant hum might be disturbing your family or neighbors, especially at night? Midea's One-Touch Silent Mode significantly reduces outdoor unit noise. Simply long-press the 'Fan Speed' button on your remote or activate it instantly via Smart Home app. Midea advanced algorithm then takes over, precisely optimizing the DC motor's speed in real-time. The result? A 3dB reduction—achieving 50%* less noise energy for a noticeably more peaceful environment, all while maintaining powerful cooling.

* Calculation follows the acoustic principle.
* For the best performance, Outdoor Silent Mode is available in Cooling Mode when the outdoor temp < 35°C.

ONE CLICK TO QUIET



-3dB | 50% Less Energy



Prime Guard

Built to Last

Prime technologies in reliability and durability Guard comfort cool.



TU1 Corrosion-Resistance Copper Tube



Silver Shield Anti-Corrosive Coating



Wide Voltage Operation



Reliable PCB with UV Conformal Coating



HYPER GRAPFINS



Auto Dedusting



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

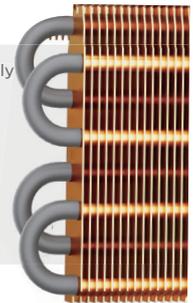


Silver Shield Anti-corrosive Coating

Both sides 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** Total Quality Assurance. 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

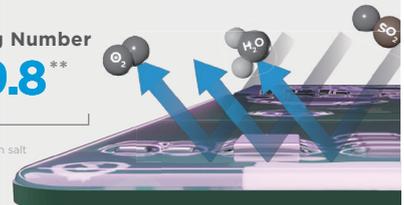
Curing using UV light, Greener and with 2x Thicker and Higher Density Protection

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

Verified by **Intertek** Total Quality Assurance

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

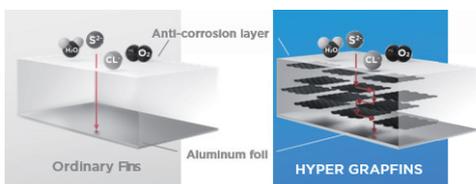
** The full rating number is 10.



Hyper Grapfins™

12.5X* Corrosion Resistance than Blue Coated Fins

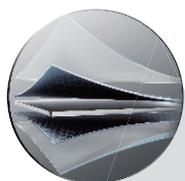
Graphene is a single monolayer of carbon atoms, tightly bound in a hexagonal honeycomb lattice. When graphene is added to the anti-corrosion layer, the density of the layer can be improved to resist corrosion.



* 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 HMD01/HW3308.



Verified by **Intertek**
Total Quality Assured.



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.

Healthy Air Management

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.

<p>1 Condensed Water 10min</p> <p>Cooling mode & Mid-speed wind</p>	<p>2 Frosting 10min</p> <p>The temperature cools rapidly ($T \leq -10^{\circ}\text{C}$) and frost forms on the evaporator surface.</p>	<p>3 Washing 20min</p> <p>Defrost into water to remove dust and dirt.</p>	<p>4 Drying 2min</p> <p>Dry the evaporator to prevent mold growth.</p>	<p>Total 42mins</p>
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99%
VIRUS ELIMINATION



ION GENERATOR

Tested by Guangdong Detection Center of Microbiology. Test time: 2h, Virus: H1N1.

Air Magic 365 Days to a Clean, Fresh, Healthy Air

Under the effect of electric field generated by ion generator, millions of positive and negative ions are formed to eradicate bacteria and viruses with higher sterilization rate. Moreover, running the "Air Magic" feature in fan mode 24 hours a day consumes less than 1 kWh.

Cool Flash

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 Numen 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 Numen AC in Coolflash mode by Midea Lab, the farthest distance refers to a wind speed of no less than 0.3m/s

5°C in 10 mins*
from 36°C to 31°C

AAir Volume
665M³/h

Air Distance**
8.1M

Cool Flash



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.

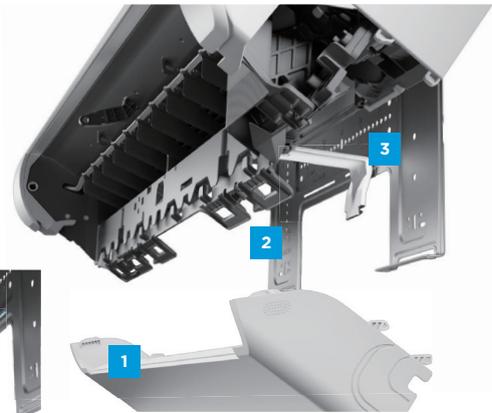




Easy To Install

Pull-down Structure

Just loosen ONE screw to remove the PULL-DOWN Structure, and stretch out the Built-in Support Holder for enlarged working space and improved visibility, providing installers with a better installation solution.



Easier, Quicker & More Installer-friendly Solution

IN Embedded Pipe

Enlarged Working Space & Improved Visibility

Loosen 1 screw to dismantle the pull-down frame for higher working efficiency



Previous AC



Insufficient Working Space resulting in having to loosen 5 screws and dismantle the entire frame

IN 5cm Ceiling

A better solution without disassembling the entire frame

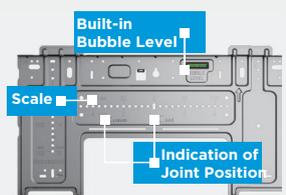


Previous AC

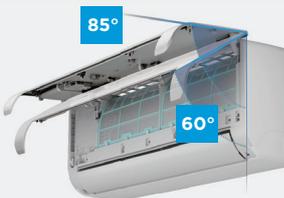


Limited ceiling space makes it difficult for AC to recover the frame.

Installer-friendly Design



Mounting Plate Upgrade
Easier to align the mounting location



Two Opening Angles of Panel
Available at 85° and 60°, suitable for more installation scenarios



Pocket Hole
More space for a wrench



Wire Tunnel
Tool-less Wiring
Fewer steps, Easier Wiring



Previous AC
Cutter Required



Easy To Maintain

Quick and Easy to Pull-out PCB The Easier Solution for PCB Replacement

5 steps

Maintenance efficiency increased by **32%**



1 3S
Open the Front Panel



2 5S
Remove ONE screw from the Electronic Control Box



3 3S
Take Away the Electronic Control Box Cover



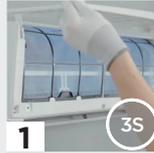
4 60S
Remove Wire Terminals



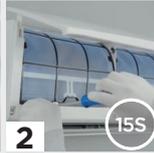
5 3S
Pull Out the PCB

Ordinary AC

8 steps



1 3S
Open the Front Panel



2 15S
Remove Screws from the Frame



3 15S
Unlock 3 Buckles/Slider Locks



4 15S
Remove the Front Frame



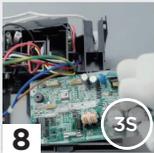
5 5S
Remove Screws from the Electronic Control Box



6 3S
Take Away the Electronic Control Box Cover



7 60S
Remove Wire Terminals



8 3S
Pull Out the PCB

Pull-out Fan Motor The Easier Solution for Fan Motor Replacement

4 steps

Maintenance efficiency increased by **72%**



1 1min
Remove the Front Frame



2 1min
Remove the Electronic Control Box



3 1min
Take Away the Motor Bracket



4 20S
Pull Out the Fan Motor

Previous AC

7 steps



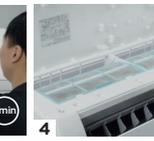
1 3S
Turn On the AC



2 2min
Recycle Refrigerant



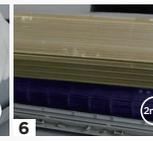
3 5min
Remove the IDU from the Wall



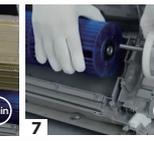
4 1min
Remove the Front Frame



5 1min
Remove the Electronic Control Box



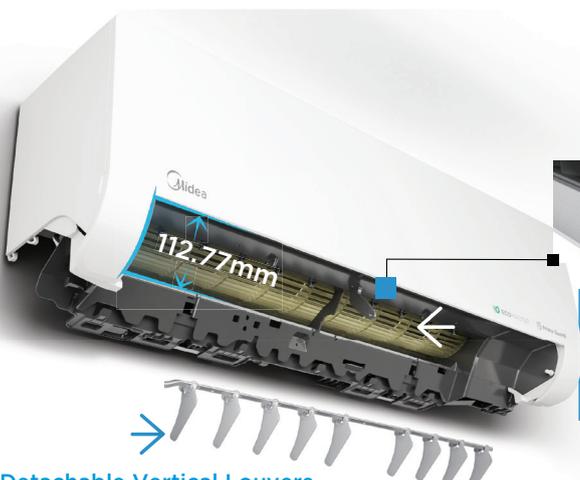
6 2min
Remove the Evaporator



7 1min
Pull Out the Fan Motor

Easy To Clean

The more accessible the wind wheel is, the deeper the cleaning.

112.77mm

Detachable Vertical Louvers

*For models with automatic vertical swing function, the vertical louvers are connected to the left motor.

The height of the air outlet increased by **25.72%**

FEATURES



ECOMASTER
30% Extra Energy Saving



AI Humidity Control



Silent Mode



HYPER GRAPFINS



Reliable PCB With UV Conformal Coating



Tu1 Corrosion-Resistance Copper Tube



Silver Shield Anti-Corrosive Coating



Wide Voltage Operation



Auto Dedusting



Follow Me



Smart Diagnosis



Smart Control



Easy To Install



Easy To Maintain



Easy To Clean



Air Magic+



I-Clean



Coolflash 5°C In 10 Mins



Low Noise

APPEARANCE



Indoor Unit



Remote Control



Wired control (optional)



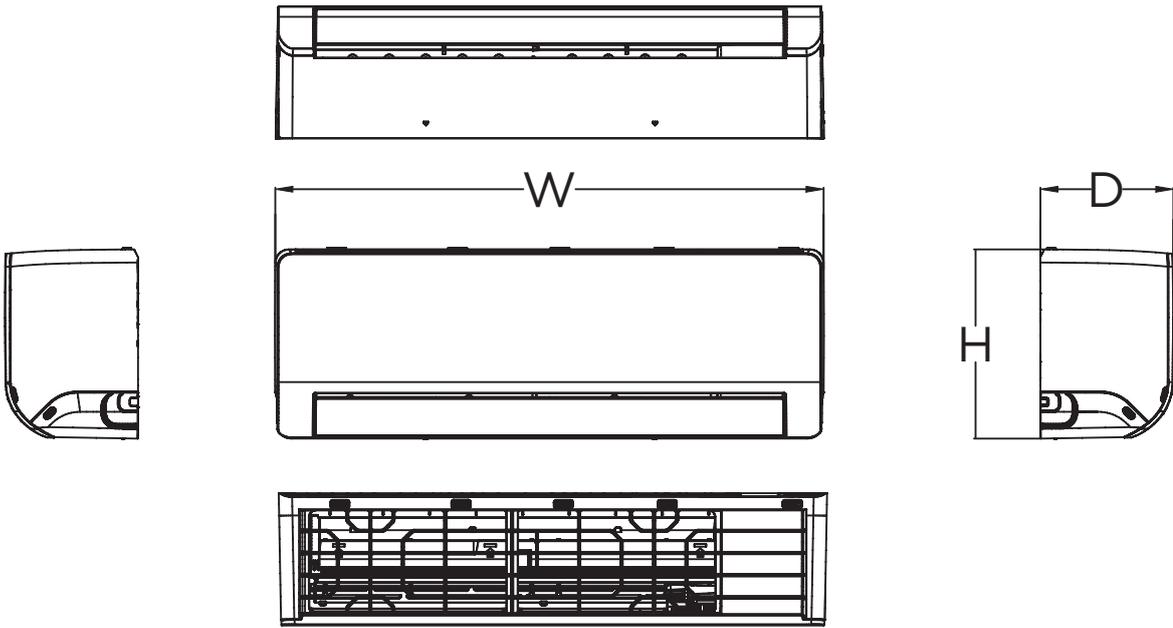
Outdoor Unit



SPECIFICATIONS

Model	Indoor		MSNEB-10CRFN8-ID	MSNEB-13CRFN8-ID	MSNEB-19CRFN8-ID	MSNEB-25CRFN8-ID
	Outdoor		MSNEB-10CRFN8-OD	MSNEB-13CRFN8-OD	MSNEB-19CRFN8-OD	MSNEB-25CRFN8-OD
Cooling Capacity	Rated (Min-Max)	Btu/h	10,000(1,250-11,109)	12,000(3,900-13,000)	18,000(6,900-18,500)	24,000(9,600-25,500)
Power consumption	Rated (Min-Max)	W	880(135-1,050)	1,134(150-1,300)	1,758(190-1,850)	2,512(790-2,750)
Running current	Rated (Min-Max)	A	3.83(0.59-4.56)	4.78(1.6-5.65)	7.64(1.48-8.7)	10.92(3.95-11.95)
CSPF(Cooling seasonal performance factor)		Wh/Wh	5.68	5.77	5.30	5.11
Energy Efficiency Star Rating						
Power supply		V,Hz,Ph	220-240V-,50&60Hz,1Ph (power supply to indoor)			
Indoor unit	Fan motor type		Brushless DC Motor			
	Indoor air flow (H/M/L)	m³/h	630/440/400	630/440/400	895/740/650	1,112/933/763
		cfm	370/259/235	370/259/235	526/435/382	654/549/449
	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	825x199x286	825x199x286	986x216x305	1059x230x328
	Packing (W*D*H)	mm	895x290x365	895x290x365	1065x300x385	1140x420x330
Net/Gross weight	Kg	7.8/9.8	7.8/9.8	10.1/13.9	12.1/16.6	
Outdoor unit	Fan motor type		Brushless DC Motor			
	Outdoor air flow	m³/h(cfm)	1,300 (765)	1,300 (765)	2,100 (1235)	2,500 (1470)
	Outdoor Sound level	dB(A)	52	55	56	59
	Dimension(W*D*H)	mm	668x252x469	720x270x495	765x303x555	805x330x554
	Packing (W*D*H)	mm	765x270x515	835x300x540	887x337x610	915x370x615
	Net/Gross weight	Kg	17/18.6	18.9/20.8	24.2/26.9	29.9/32.5
	Refrigerant Charge	g	R32/360g	R32/400g	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 mm²	4x1.5 mm²	4x2.5 mm²	4x2.5 mm²
Power supply wiring (Not included)			3x1.5 mm²	3x1.5 mm²	3x2.5 mm²	3x2.5 mm²
Thermostat type			Wireless Remote Control,Build-in Smart control (Wired control optional)			

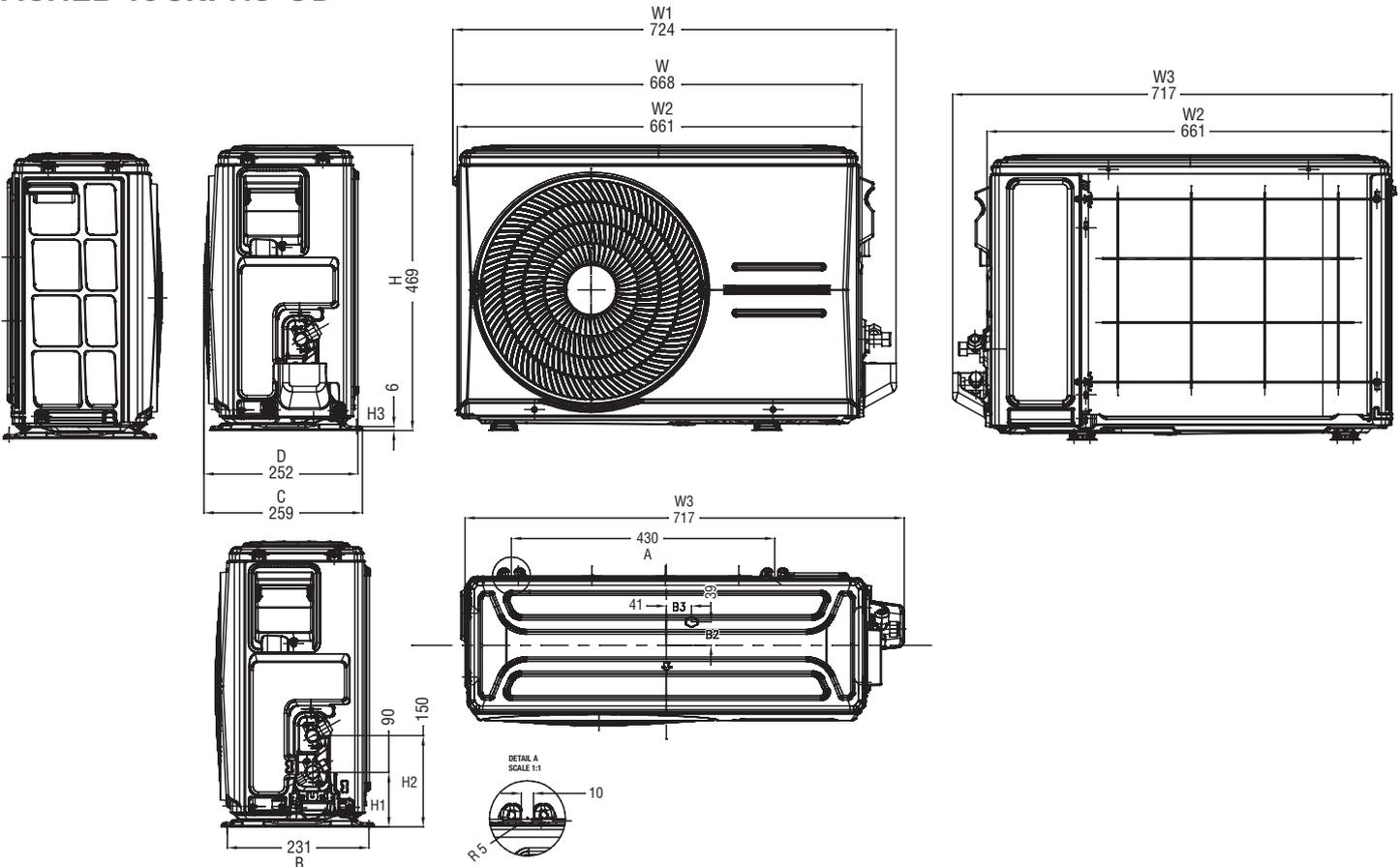
INDOOR UNIT DIMENSION



NUMEN INDOOR DIMENSION			
Model	W (mm)	D(mm)	H(mm)
MSNEB-10CRFN8	825	199	286
MSNEB-13CRFN8	825	199	286
MSNEB-19CRFN8	986	216	305
MSNEB-25CRFN8	1059	230	328

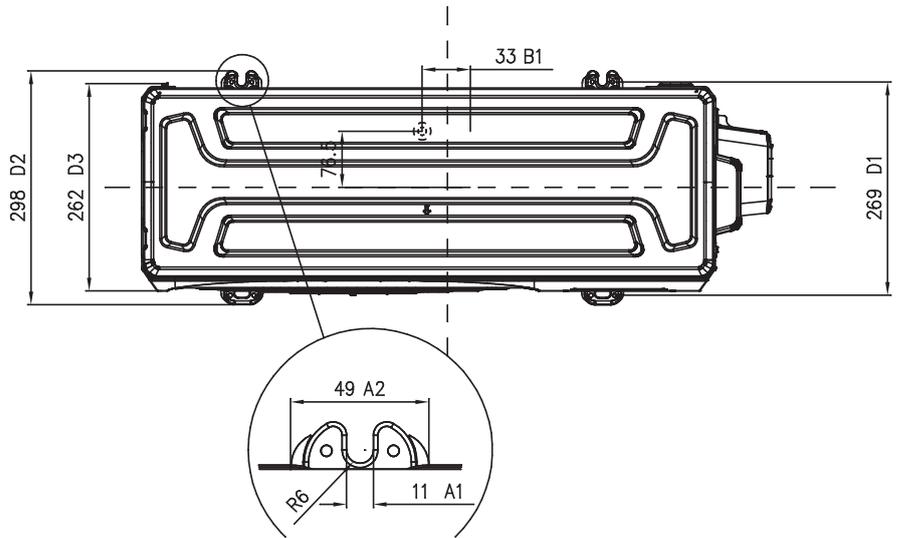
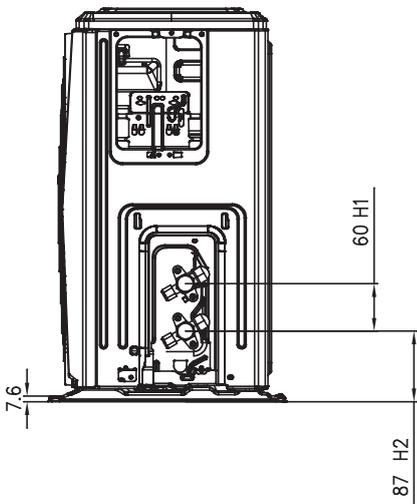
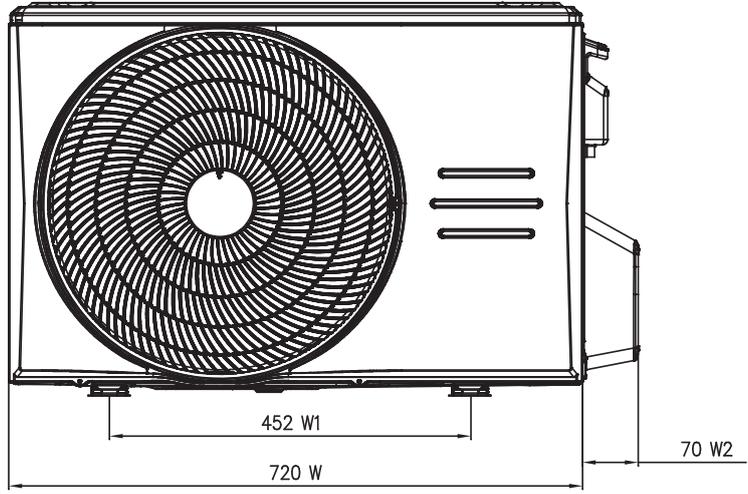
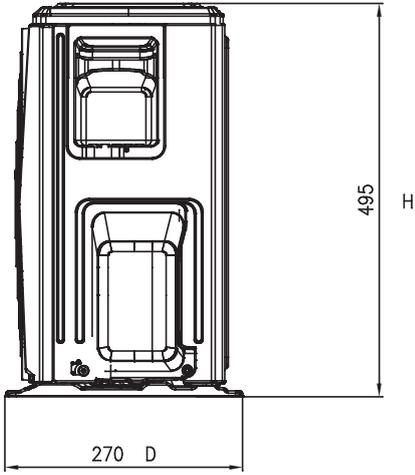
OUTDOOR UNIT DIMENSION

MSNEB-10CRFN8-OD



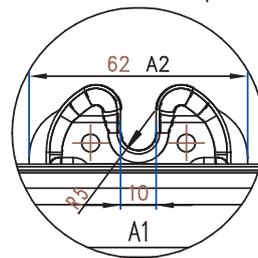
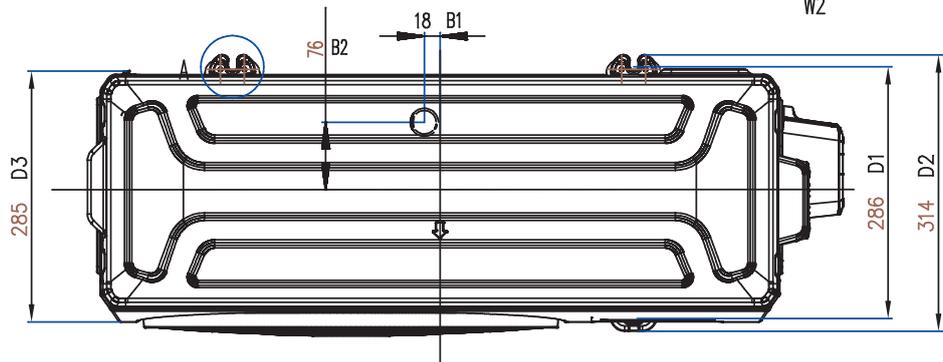
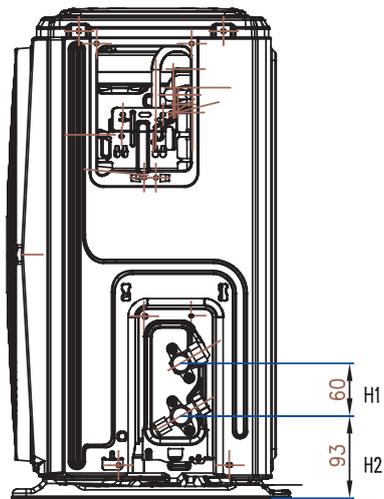
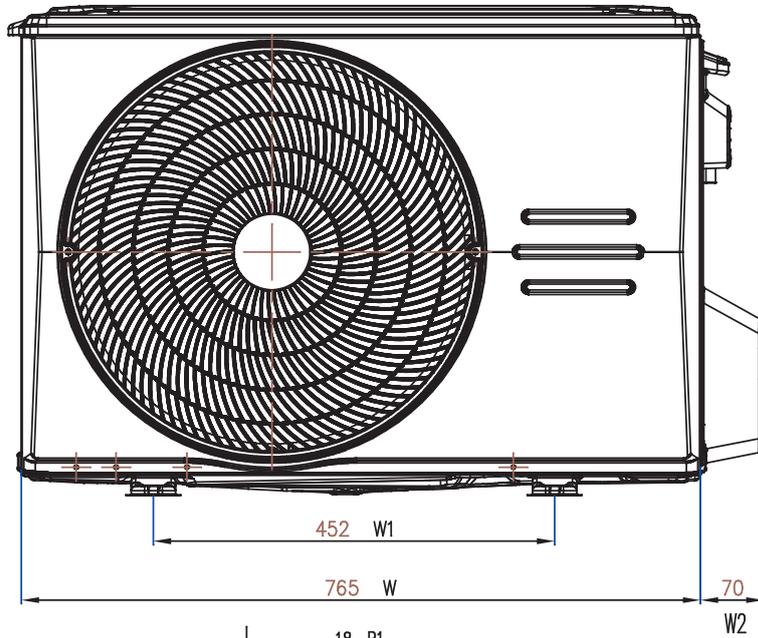
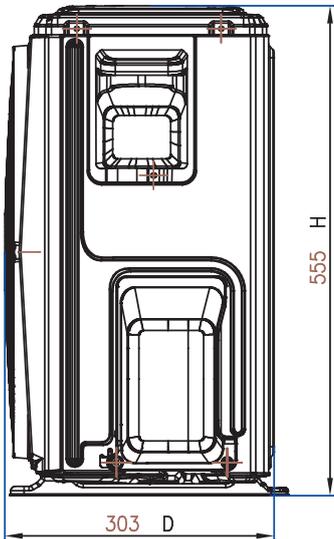
OUTDOOR UNIT DIMENSION

MSNEB-13CRFN8-OD



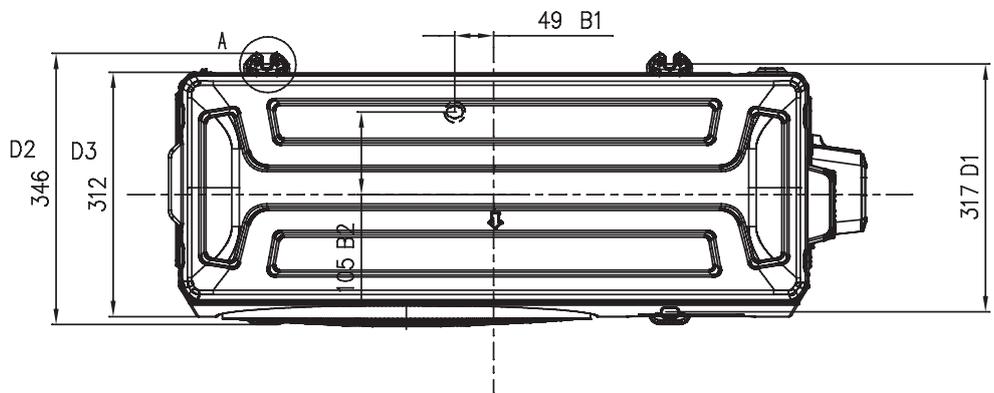
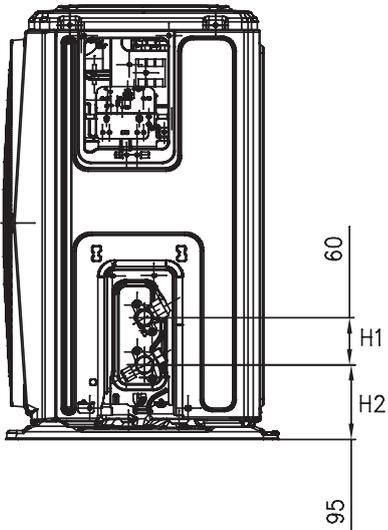
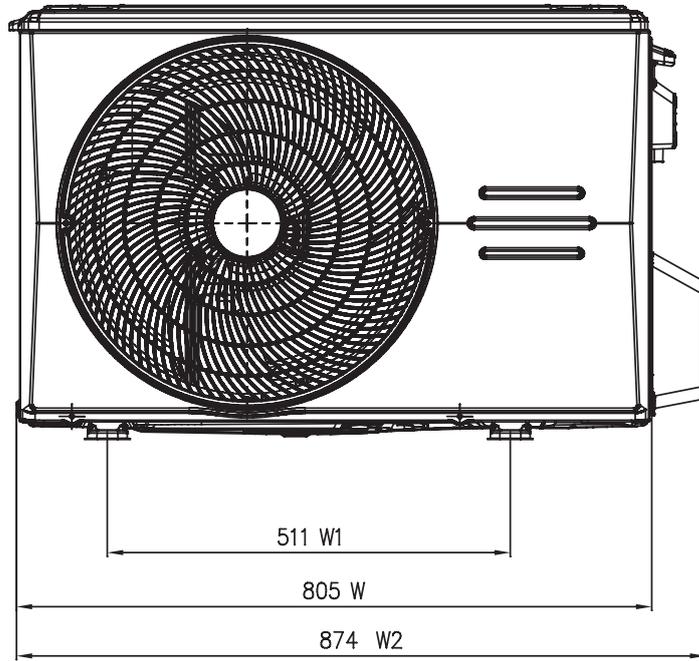
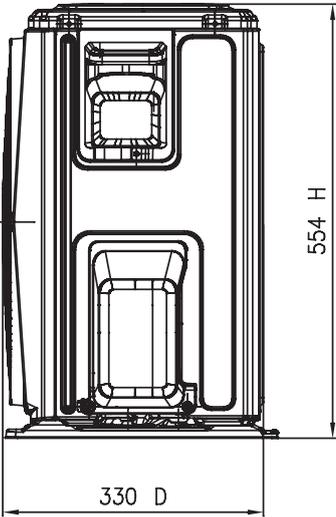
OUTDOOR UNIT DIMENSION

MSNEB-19CRFN8-OD



OUTDOOR UNIT DIMENSION

MSNEB-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 conencton, 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

MIDEA SCOTT & ENGLISH ELECTRONICS SDN BHD (199001002951 (194517-X))

No. 16, Jalan Chan Sow Lin, 55200 Kuala Lumpur

PENANG BRANCH

NO.35, JALAN PERNIAGAAN GEMILANG 1,
PUSAT PERNIAGAAN GEMILANG,
14000 BUKIT MERTAJAM, PULAU PINANG.

PERAK BRANCH

NO.12 & 12A, BERCHAM BISTARI 1,
MEDAN BERCHAM BISTARI,
31400, IPOH, PERAK.

PAHANG BRANCH

NO.258, GROUND FLOOR, JALAN AIR PUTIH,
TAMAN AIR PUTIH MEWAH,
25350 KUANTAN, PAHANG.

KELANTAN BRANCH

PT 1436, GROUND FLOOR,
TAMAN KOPERATIF TANJUNG CHAT,
15300 KOTA BHARU, KELANTAN.

MELAKA BRANCH

NO.385L, TAMAN PERINGGIT JAYA,
75400 PERINGGIT, MELAKA.

JOHOR BRANCH

NO. 10, JALAN EKOPERNIAGAAN 1/24,
ECO BUSINESS PARK 1,
81100 JOHOR BAHRU, JOHOR.

SABAH BRANCH

INANAM SURIA COMMERCIAL CENTRE,
LOT B, UNIT 0-9, UNIT 1-9,
GRD. FLOOR & 1ST FLOOR,
88450, KOTA KINABALU, SABAH.

SARAWAK BRANCH

1ST FLOOR, LOT 8517,
STUTONG COMMERCIAL CENTRE,
JALAN STUTONG,
93350 KUCHING, SARAWAK.

Midea Care Line

1300-22-0133

Dealer's Stamp:



midea_malaysia



Midea Malaysia



midea.com/my