



# PRODUCT CATALOGUE

## 2024



**R32 INVERTER**

# ALLEASY Pro

R32 Inverter Wall Mounted Split

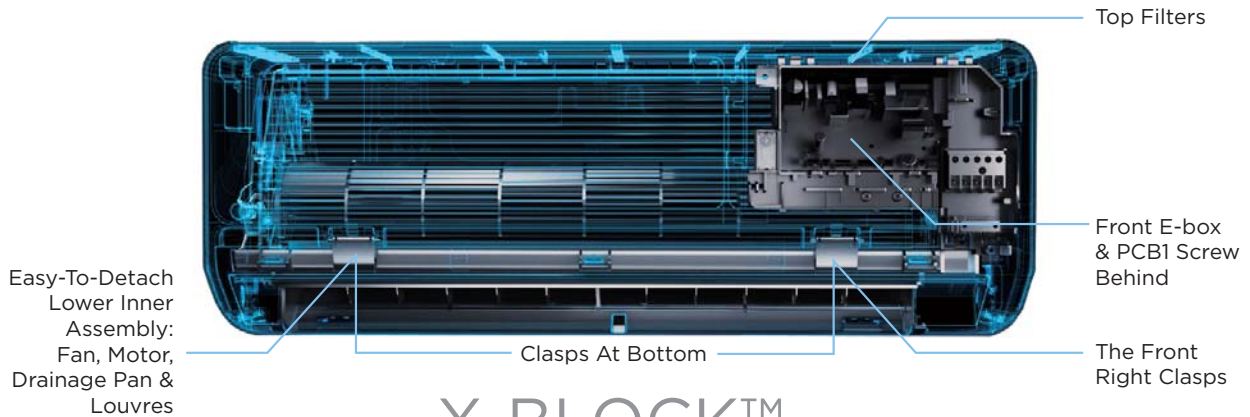
# ALL THE INSTALLATION WORKS GET EASY

## INDOOR UNIT INSTALLATION

**1**<sup>693s</sup> = **1.7**<sup>407s</sup>  
Times Faster

Ordinary Indoor Unit

**ALL EASY Pro**



**X-BLOCK™**  
The 'Minimalism' for the work of Cooling

## ORDINARY INDOOR UNIT INSTALLATION



Multiple Position Measurement & Adjustment



Complicated Wiring Steps Difficult Connecting



Small Connection Space



Large Gap In Between

## ALL EASY PRO UNIT INSTALLATION

### Easy Wiring In 3 Seconds

**176mm** large piping space with installation support clip.

Front-placed E-BOX for convenient access wiring just opening the front panel.



### Easy Measure and Fix Without Extra Tools

Super slim mounting plate with built-in scale and horizontal meter. Measure, mark and fix with just one plate.



**DO NOT NEED**



**STEP 1:** Mark the **SPOT A** according to the instruction of scale-on-plate



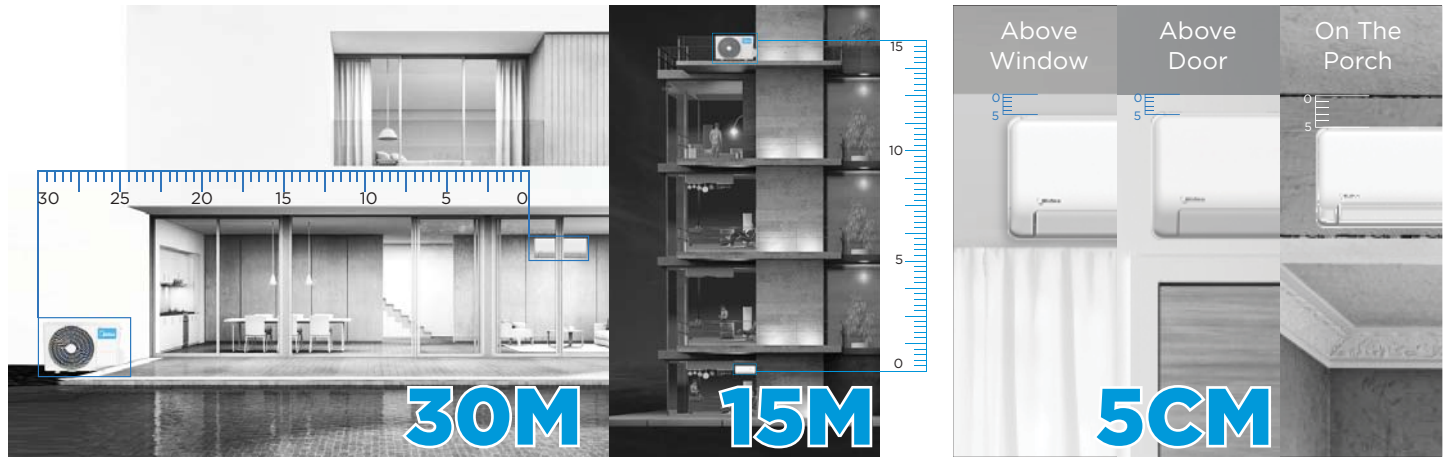
**STEP 2:** Move down the plate until the punch hole to the **SPOT A**



**STEP 3:** Locate the punch hole on other side with the Horizontal Meter on plate for precise levelling

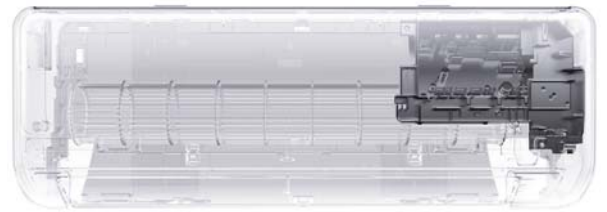
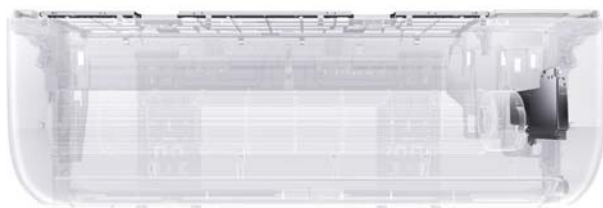
# FLEXIBLE SPACE COOLING SOLUTION

Max. **15M** Piping Height and **30M** Piping Length. Requires Min. **5CM** Of Ceiling Distance



**REMOVE 1 SCREW TO DISMANTLE**

**PCB REPLACEMENT** **1**<sup>2715s</sup> = **13.6**<sup>200s</sup> *Times Faster*  
 Ordinary Indoor Unit ALL EASY Pro



**FAN MOTOR ASSEMBLY** **1**<sup>1057s</sup> = **14.7**<sup>72s</sup> *Times Faster*  
 Ordinary Indoor Unit ALL EASY Pro



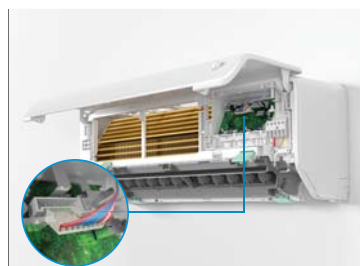
**STEP 1:** Open the front panel



**STEP 2:** Snap open the front hasps and detach the bottom panel



**STEP 3:** Remove the screw



**STEP 4:** Open the e-box lid, unplug the fan and vertical louvre terminals



**STEP 5:** Snap open the back hasps, unload the fan and indoor motor.



# HEALTH- Fresh Air With Ease

## 1 Lift to Clean

No need to bother opening up the front panel anymore. Clean your filter as often as you want. 6 round magnetic connectors on the filter, the cover filter can be easily removed and put back just within 1 soft 'click'.



## 1 Screw, 1 Minute, for Deep Clean

With the innovative 1-screw fixed design, it only takes 1 minute to disassemble the inside fan to clean. Save your time, save your technician bills.



## Experience the air magic with Super Ionizer

Upon starting up, the air magic built-in device generates ions to remove airborne bacteria and dust. Making sure every breath taken is clean, fresh and healthy air.



## Cold Catalyst Filter Dual Filtration Technology

Cold Catalyst filtration system thoroughly eliminates harmful substances and decomposes a variety of harmful gases, providing clean and healthy air for you.



### STEP 1: High Density Pre Filter

Density pre filter can effectively prevent large particles such as pet hair, dust and other airborne particles.

#### Dust



Dog hair



Dead mite feces

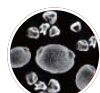


Fungus

### STEP 2: Micro Protection Filter

Cold catalyst filter can catalyze the reaction of various harmful gases, such as formaldehyde, ammonia, benzene, TVOC and hydrogen sulfide.

#### Pollen (Allergen), smoke, micro dust (under 0.3um)



Flower pollen



Bacteria



Car exhaust fumes



Smoke

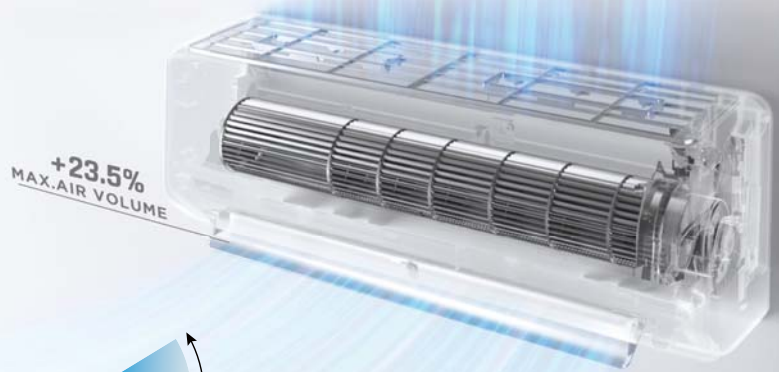
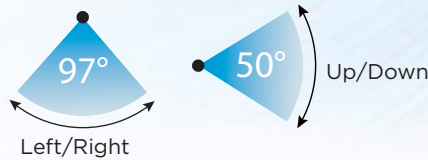
# FAST COOLING

## Cool You Down Fast

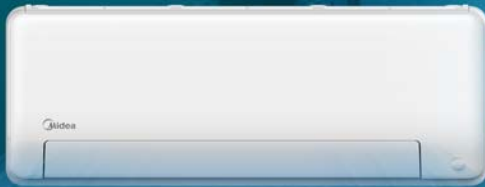
Quickly cools from corner to corner, so you're always comfortable wherever you are. Thanks to the front E-box and PCB design that releases more space for a larger air volume in and out, the AE Pro deliver you the stronger cooling performance with lower monthly energy bills.

## 3D Airflow

The directional air-outlet moves automatically both Left/Right and Up/Down, directing nice and cool airflow with the angled airflow to fill in every corner of the room.



# ENERGY SAVING

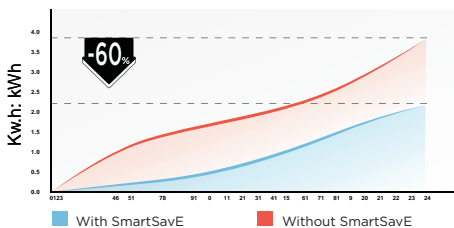


## Smart Save ieco Mode

Save your money as well as the worries on energy consumption with Midea's SmartSavE ieco mode. Simply power on your Midea air conditioner and select the mode for a full night's energy-efficient comfort. With the ultra-low energy needed, now you can enjoy a restful sleep.

## Precise-Control Algorithm

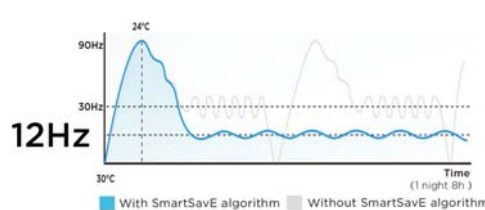
Midea's Innovative SmartSavE mode uses the Alpha Energy Chip's 4th SmartSavE Precise-control Inverter Deduction Algorithm, which enables the chip to do more precise signal receiving, accurate data processing, anticipating and prompt instructions sending to the compressor. This helps the inverter compressor to work more efficiently to save energy while ensuring you're comfortable and cool.



Just click the SmartSavE ieco button to activate the mode: your AC can keep you cool over an **8-hour** night period, saving up to 60% energy. \*



\* Data base on testing lab, term & condition apply.



The Inverter Quattro™ supports continuous compressor operation at ultra-low speed of **12Hz**. Thanks to the SmartSavE precise-control algorithm, ultra-stable frequency is achieved with minor vibration which decreased by up to **16 times**.



## GEARSHIFT

Midea inverter air conditioners offer three operating power options: 50%, 75%, and 100%.

You can choose a lower power level with the Gear button on the remote controller to conserve energy when you feel the cool is enough.



# BUILT TO LAST

## Prime Guard HYPER GRAPFINS

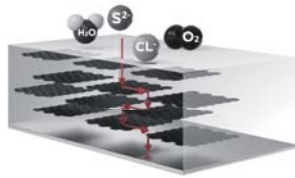
**12.5X\*** Corrosion Resistance  
than Blue Fin

\* 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.

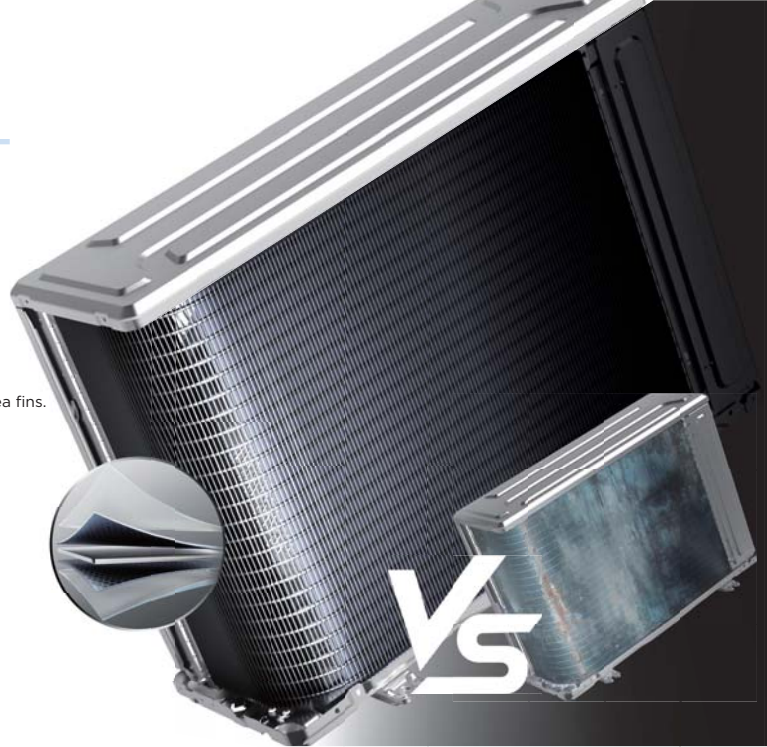
### Ordinary Coating



### HYPER GRAPFINS



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.



### First Test Standard

**20 to 50-year**  
-corrosion-resistance fin

Depended on the using industrial environment with salt contamination.



Verified by **Intertek**  
Total Quality Assured.

(Ref. ISO 21207: 2015, Annex A, test method B)

### Second Test Standard

#### Midea Exclusive Anti-aging Technology Test

After 240 hours UV test and 72 hours neutral salt spray(fog) test

#### HYPER GRAPFINS

**0.02%** | corrosion area\*

**12.5X** | corrosion resistance than blue fin

\*Compared samples are Midea fins



### Third Test Standard

**Stand Up to  
Neutral Salt Spray  
Test for 1500h**

## TU1 CORROSION-RESISTANCE COPPER TUBE



Advanced material technologies create a more uniform microstructure of TU1 copper tubes. TU1 contains more high-density copper and 70% less impurities than ordinary tubes. Most coated tubes have the potential risk to pollute or poison, but TU1 has no harm to human health.

Test Result\*

Material	TU1 high corrosion resistant copper pipe	TU2 general copper pipe
Punching Rate	0	29%
The deepest corrosion hole	0.12	0.3
Average corrosion depth	0.075	0.201

\*The tube samples are tested in formic acid or acetic acid for 1000 hours.

## ANTI-CORROSIVE COATED PIPE



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

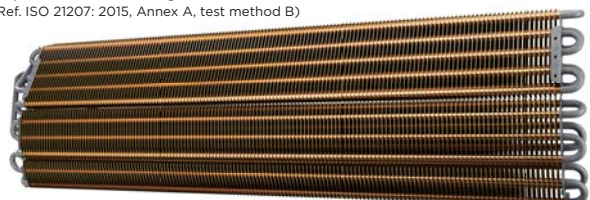
Corrosion Area

**< 0.1%\***  
Anti-corrosive Coated Pipe

vs **> 50%**  
Ordinary Pipe

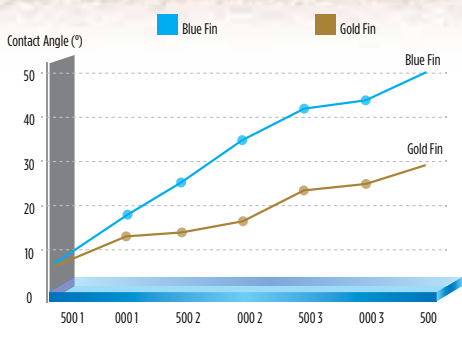
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(Ref. ISO 21207: 2015, Annex A, test method B)

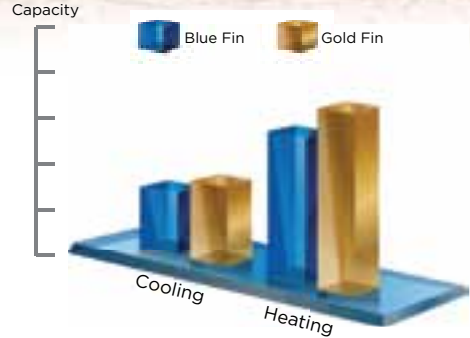


## Golden Fin (Evaporator Coil Only)

The golden finned hydrophilic coil efficiently prevents bacteria from breeding and spreading, creating a healthy and comfortable environment. It can also improve heating efficiency by accelerating defrosting. The unique anti-corrosive gold plating can withstand salty air, rain and other corrosive elements.



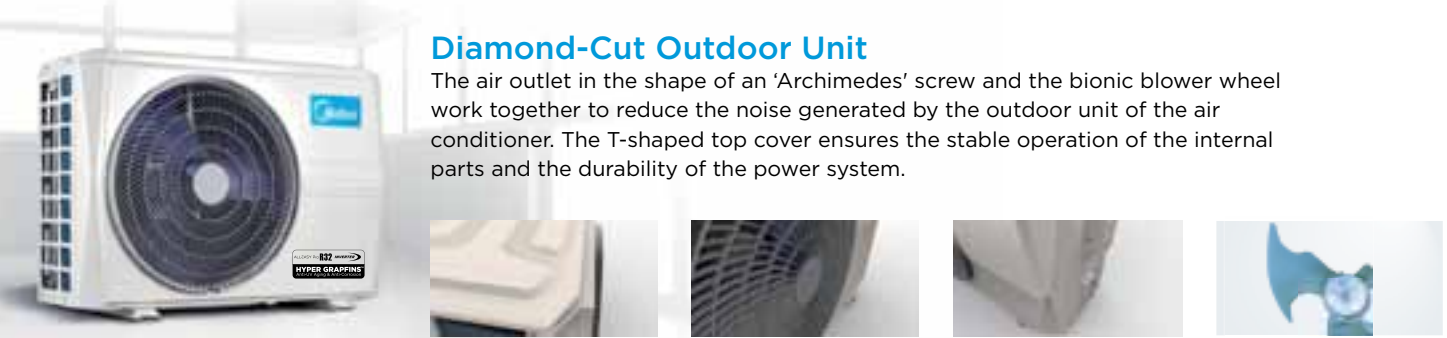
Dry-wet cycle tests 3000 times (equivalent to using an air conditioner for 10 years): the golden fin still has good hydrophilicity (hydrophilic angle  $\theta \leq 30^\circ$ ).



After one year of operation, the prototype with golden coating shows better performance in all working conditions than the prototype with blue coated foil.

## Diamond-Cut Outdoor Unit

The air outlet in the shape of an 'Archimedes' screw 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.

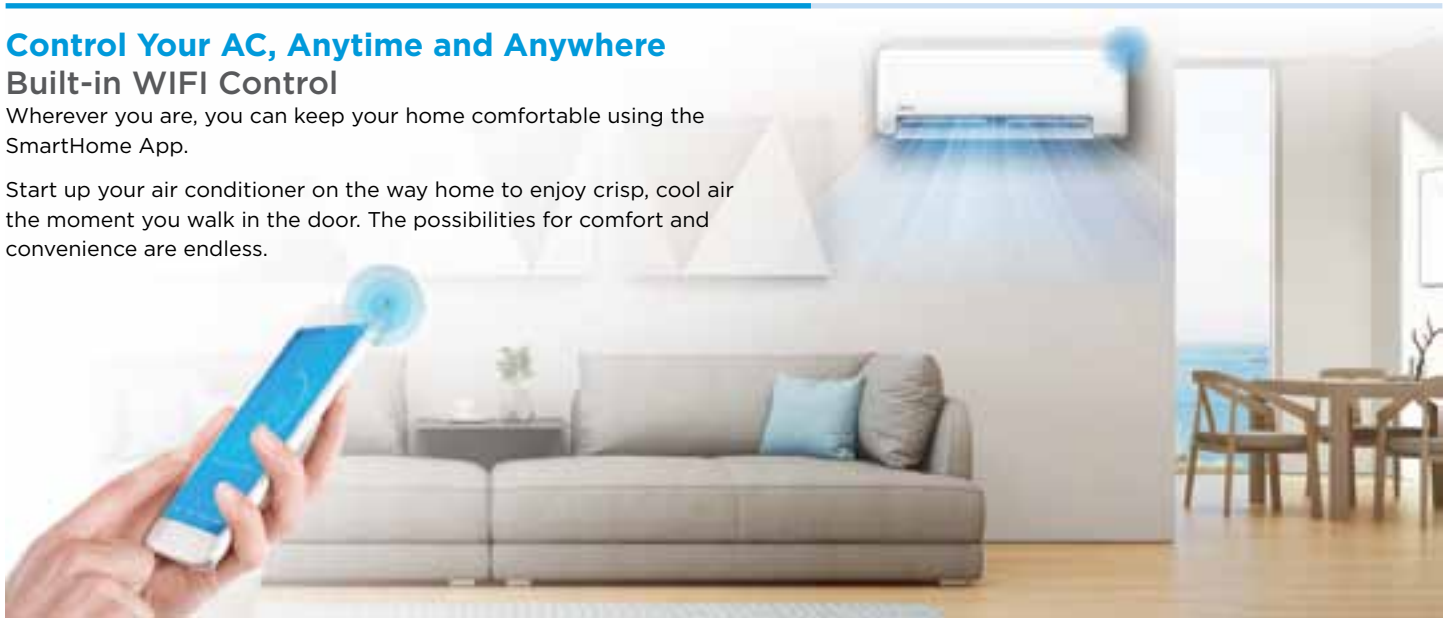


## INTELLIGENTIZE- In Built Innovation

### Control Your AC, Anytime and Anywhere Built-in WIFI Control

Wherever you are, you can keep your home comfortable using the SmartHome App.

Start up your air conditioner on the way home to enjoy crisp, cool air the moment you walk in the door. The possibilities for comfort and convenience are endless.



# FEATURES



# APPEARANCE



Indoor Unit



Remote Control



Outdoor Unit

# ALLEASY Pro SPECIFICATIONS

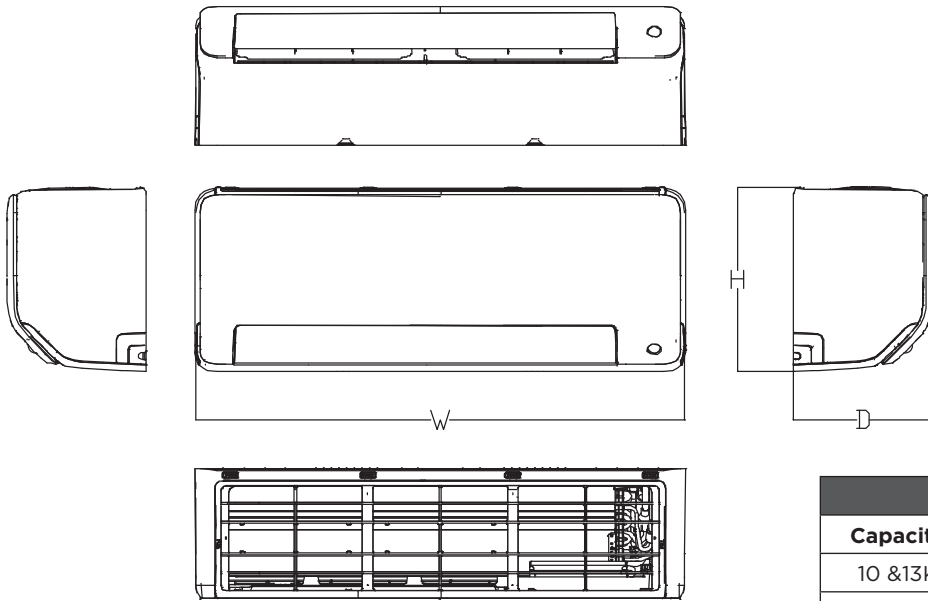
Model	Indoor		MSEP-10CRFN8	MSEP-13CRFN8	MSEP-19CRFN8	MSEP-25CRFN8	MSEP-28CRFN8
	Outdoor		MSEP-10CRFN8	MSEP-13CRFN8	MSEP-19CRFN8	MSEP-25CRFN8	MSEP-28CRFN8
Cooling Capacity	Rated (Min-Max)	Btu/h	9,500(3,000-10,000)	12,500(3,500-13,100)	19,000(3,500-21,000)	24,000(9,550-26,500)	28,000(11,100-29,200)
Power consumption	Rated (Min-Max)	W	600(250-650)	906(300-950)	1,465(450-1,685)	1,953(680-2,050)	2,350(720-2,660)
Running current	Rated (Min-Max)	A	3.6(1.00-5.00)	5.40(2.50-7.50)	6.37(4.00-7.33)	8.49(2.95-8.91)	10.5(3.13-11.75)
CSPF(Cooling seasonal performance factor)		Wh/Wh	6.39	6.05	6.39	5.50	6.00
Energy Efficiency Star Rating							
Power supply		V,Hz,Ph	220-240V-,50Hz,1Ph (power supply to outdoor)				
Indoor unit	Indoor air flow (H)	m <sup>3</sup> /h(cfm)	580 (341)	610 (359)	824 (485)	1439 (846)	1439 (846)
	Indoor Sound level(Hi/Mi/Lo)	dB(A)	36.5/32.0/27.0	37.0/31.5/25.0	43.0/36.5/30.0	49.0/43.0/31.0	49.0/43.0/31.0
	Dimension(W*D*H)	mm	795x225x295	795x225x295	965x239x319	1140x297x370	1140x297x370
	Packing (W*D*H)	mm	870x370x305	870x370x305	1045x400x325	1230x455x355	1230x455x355
	Net/Gross weight	Kg	9.9/12.7	9.9/12.7	12.2/16.0	17.6/22.5	17.6/22.5
Outdoor unit	Outdoor Sound level	dB(A)	54	54	55.5	60.5	60.5
	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	890x342x673	890x342x673
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	995x398x740	995x398x740
	Net/Gross weight	Kg	19.8/21.6	20.0/21.8	26.9/29.3	42.4/46.7	42.4/46.7
	Refrigerant Charge	g	R32/480g	R32/500g	R32/750g	R32/1400g	R32/1400g
	Design pressure	MPa	4.3/1.7	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/Φ15.9(1/4"/5/8")	Φ6.35/Φ15.9(1/4"/5/8")
	Max. refrigerant pipe length	m	25	25	30	50	50
	Max. difference in level	m	10	10	20	25	25
Indoor-Outdoor connection wiring (Not included)			4x1.5 mm <sup>2</sup>	4x1.5 mm <sup>2</sup>	4x2.5 mm <sup>2</sup>	4x2.5 mm <sup>2</sup>	4x2.5 mm <sup>2</sup>
Power supply wiring (Not included wire)			3x1.5 mm <sup>2</sup>	3x1.5 mm <sup>2</sup>	3x2.5 mm <sup>2</sup>	3x2.5 mm <sup>2</sup>	3x2.5 mm <sup>2</sup>
Thermostat type			Wireless Remote Control & Wifi control(Build in), (Wire control optional)				

**Remark:**

1. The above design and specifications are subject to change of product improvement without prior notice.
2. The noise level data reflects the level in anechoic chamber.
3. All units are being tested and comply to ISO 5151, ISO 16358-1.



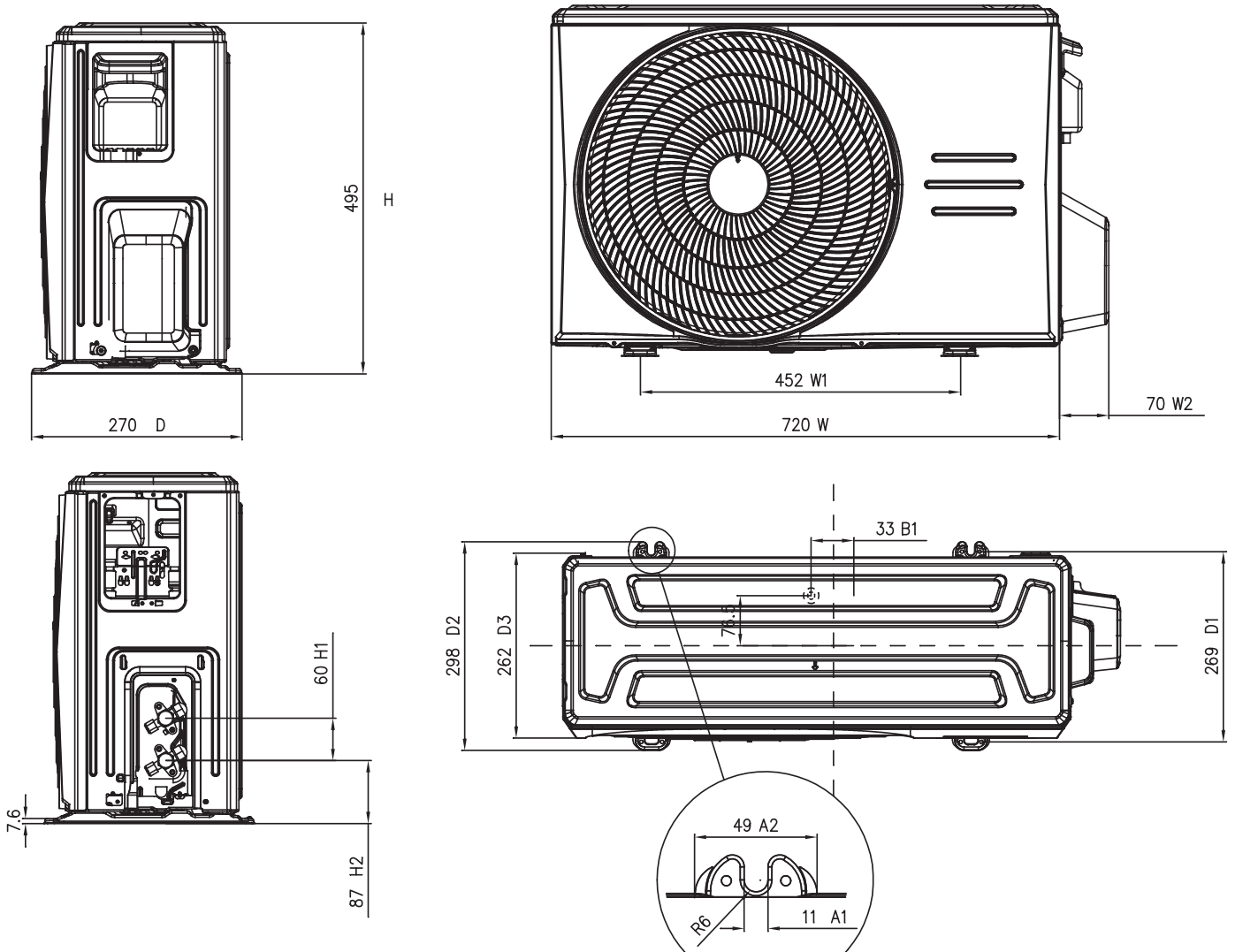
# INDOOR UNIT DIMENSION



MSEPB INDOOR DIMENSION			
Capacity	W (mm)	D(mm)	H(mm)
10 &13K	795	225	295
19K	965	239	319
25&28K	1140	275	370

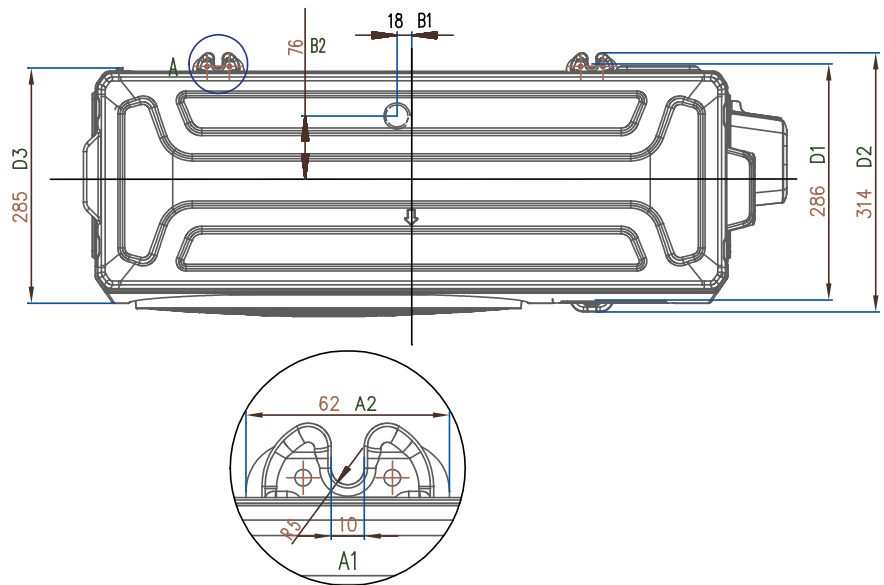
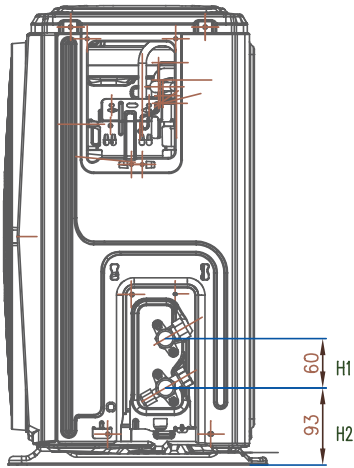
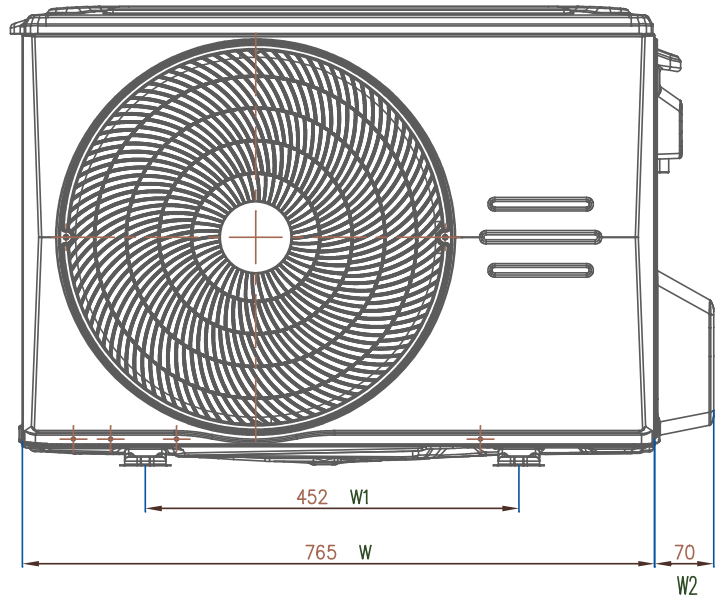
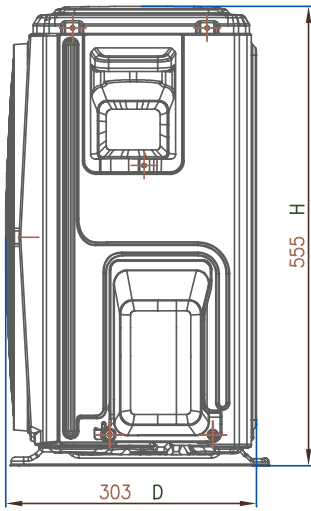
# OUTDOOR UNIT DIMENSION

MSEPB-10CRFN8 & MSEPB-13CRFN8



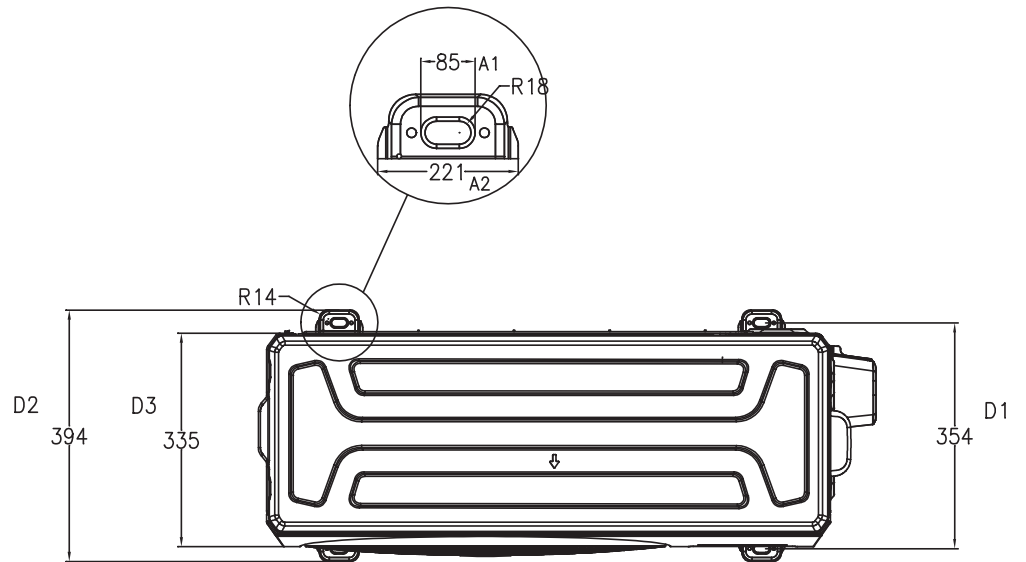
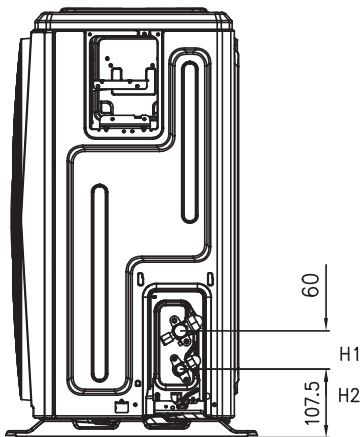
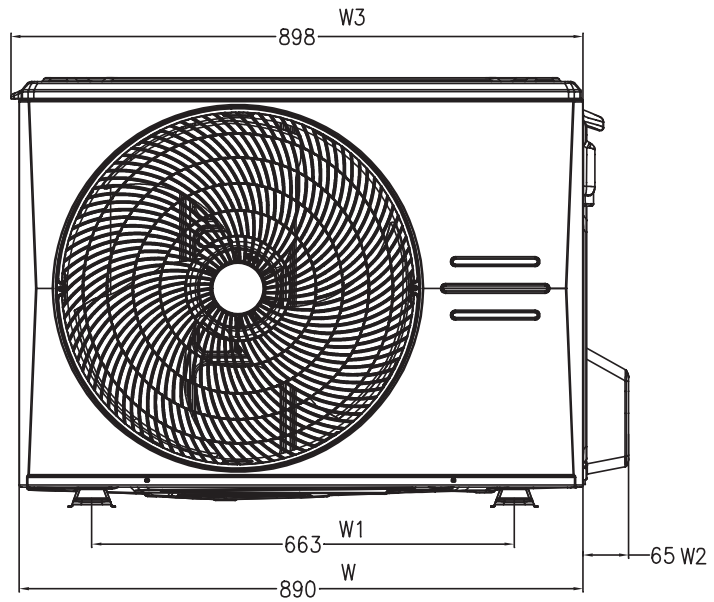
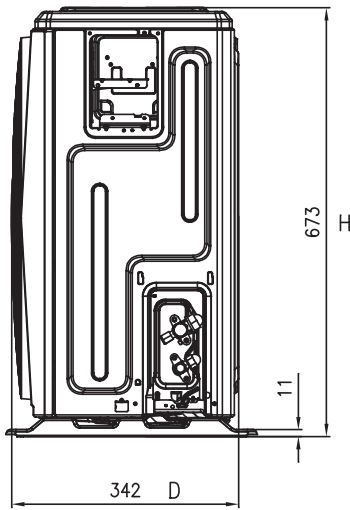
# OUTDOOR UNIT DIMENSION

MSEP-B-19CRFN8



# OUTDOOR UNIT DIMENSION

MSEPB-25CRFN8 & MSEPB-28CRFN8





# ERROR CODE QUICK TROUBLESHOOTING

Display Code	Error Information	Quick Solution
dF	Defrost	Normal Display, not error code
SC	Self clean	
CL	Active Clean(for Xtreme series inverter type)	
nF	Filter replacement reminder(power on display for 15 seconds)	
FC	Forced cooling	
AP	AP mode of WIFI connection	
LL	Remote or Wire controller Lock	
On	Time On	
Off	Time Off	
E-C-O	ECO mode	
SD	Power abnormal detection	Check power supply
EH 00	Indoor EEPROM malfunction	Check power and Indoor PCB
EH 0A	Indoor EEPROM parameter error	Check power and Indoor PCB
EL 01	Communication malfunction between indoor and outdoor units	S signal wire conenciton, 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 04	Inverter compressor drive error	Inverter modular, Outdoor Main PCB, compressor
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 (194517-X)

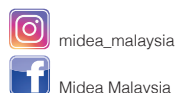
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- **PENANG** No. 35, Jalan Perniagaan Gemilang 1, Pusat Perniagaan Gemilang, 14000 Bukit Mertajam, Pulau Pinang. Tel: 04-548 9698
- **JOHOR** No. 25, Jalan Seri Impian 1, Taman Impian Emas, 81300 Skudai, Johor. Tel: 07-562 4898 Fax: 07-557 7898
- **PERAK** No. 38, Persiaran Perindustrian Pengkalan 10, Kawasan Perindustrian Pengkalan, 31500 Lahat, Perak. Tel: 05-323 2529 Fax: 05-323 2529
- **PAHANG** No. 258, Ground Floor, Jalan Air Putih, Taman Air Putih Mewah, 25350 Kuantan, Pahang Darul Makmur. Tel: 09-560 6668 Fax: 09-09-560 5050
- **MALACCA** No. 385-L, Taman Peringgit Jaya, 75400 Peringgit, Melaka. Tel: 06-292 1940 Fax: 06-286 7107
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- **SABAH** Inanam Suria Commercial Centre, Lot B, Unit 0-9, Unit 1-9, Ground Floor and First Floor, 88450, Kota Kinabalu, Sabah. Tel: 088-421 428 Fax: 088-431 427
- **SARAWAK** 1st Floor, Lot 8517, Stutong Commercial Centre, Jalan Stutong, 93350 Kuching, Sarawak. Tel: 082-363 167 Fax: 082-366 167

Midea Care Line

**1300-22-0133**

Dealer's Stamp:



midea.com/my