



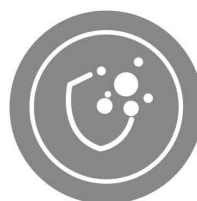
Breezeless E

The Premium Corrosion Resistant Air Conditioner



Breezeless Technology

Twinflap™ structure with 5013 mini holes can transform the strong air flow into thousands of tiny strings of air that gives you softest touch of cooling.



Prime Guard Hyper Grapfins

The Breezeless E's outdoor unit features innovative graphene coated filter technology, providing corrosion resistance for an extended lifespan.



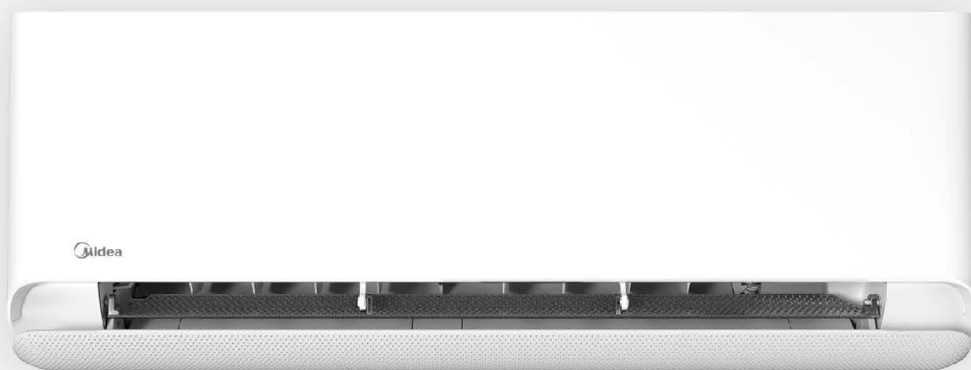
Energy Saving Report

The highly precise power detection technology can trace your energy consumption footprints, identify high energy consumption causes and propose customised energy-saving tips via MSmart Home App.



i-Clean Technology

4-Step self-cleaning technology at up to 56°C high temperature which deeply purifies the evaporator in the air conditioner, keeping your air supply clean and fresh.



Breezeless E

REALISE ECO COMFORT WITH INTELLIGENT LEARNING TECH

Equipped with the latest intelligent learning technology, the Midea Breezeless E proactively calculates various possibilities to achieve better air conditioning and allows for energy saving. It provides a comfortable experience through Breezeless cooling, Heating, Air magic + sterilisation and Over-the-Air technology (OTA).

Intelligent Learning Tech for Extra Energy Saving

The latest intelligent technology proactively, every 30 seconds, detects changing factors in your surroundings and adjusts the temperature accordingly, saving energy by 20%.

Instant Breezeless Cooling Comfort

5013 Mini-holes with our glass structure softens the air delicately. Cools down 6.3 °C within 10 minutes*.

*Based on lab data in specific conditions.

Instant Heating as a Heatpump

Instantly warms you in cool weather as low as -20 °C. Heats up room temperature by 10.4 °C within 10 minutes*.

* Tested under the outdoor temperature of 2 °C

Air Magic+ Steriliser

Negative ions inhibit activity and kills

Over-The-Air Technology

Constantly updates the product functional performance.

Highlights

Energy Saving Report



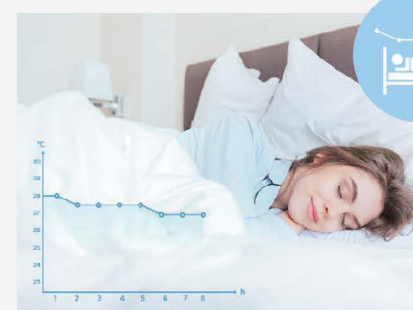
The highly precise power detection technology can trace your energy consumption footprints, identify high energy consumption causes and propose customised energy-saving tips via MSmart Home App.

Intelligent Learning Algorithm for Extra Energy-Saving



Midea Breezeless E could intelligently predict and perform the most energy-efficient air conditioning operation program with extra energy saving rate up to 20% for Eco Comfort.

Smart Sleep Curve



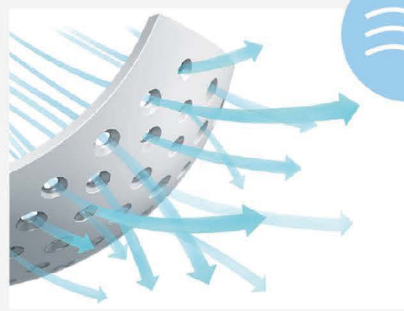
Midea Breezeless E adjusts the temperature automatically while you sleep, according to your advanced settings in the MSmart Home App.

Cool Flash Plus



Midea Cool Flash technology can reduce your whole room by 6.3 °C in 10 minutes.

Breezeless Technology



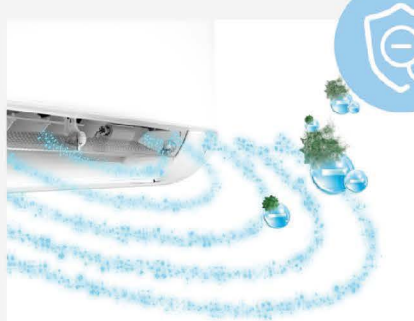
Twinflap™ structure with 5013 mini-holes can transform the strong airflow into thousands of tiny strings of air that gives you the softest touch on cooling.

Heat Flash



With fast and strong heating airflow, the Heat Flash technology can warm up your whole room in a short time. The room temperature can rise by 10.4°C within 10 minutes.

Air Magic+



Negative ions inhibit the activity and kill bacteria including escherichia coli, staphylococcus aureus and H1N1.

i-Clean



4-Step self-cleaning technology at up to 56 °C high temperature, which deeply purifies the evaporator in the air conditioner, keeping your air supply clean and fresh.

Over-The-Air Technology



OTA technology allows you to update your air conditioner settings remotely. With that, Midea Breezeless E can continuously perform product upgrade, functional optimisation.

WHAT CAUSES CORROSION IN AIR CONDITIONERS?

The outdoor units are inevitably bitten by the external corrosion factors such as **salt, acid and rain**.

Furthermore, the **sunlight** will accelerate the aging of the outdoor unit, even if it is not directly exposed to the sun, the heat exchanger will receive about **1/6** of the light radiation.

Corrosion on heat exchangers deteriorate the heat transfer performance, and the generated corrosive substances become obstacles to heat transfer, resulting in shortened product life.



Corroded heat exchanger



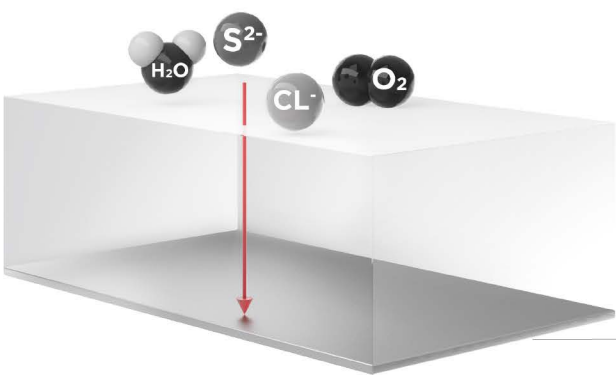
GRAPHENE

A stable and durable composite material in aerospace, defense and medical industry. The magnificent resistance of graphene is beyond your expectation.

WHY CAN GRAPFINS ENHANCE CORROSION RESISTANCE?

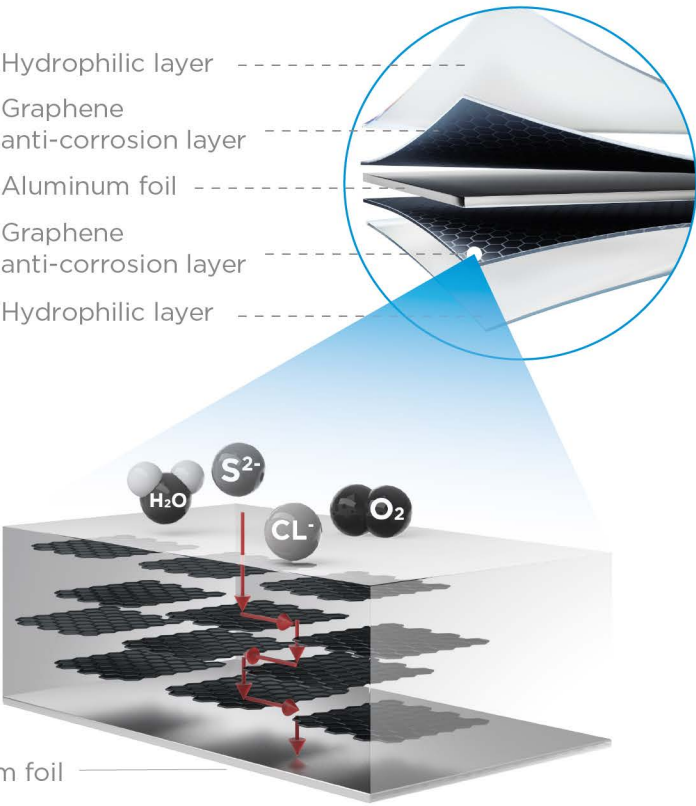
Graphene is a single monolayer of carbon atoms, tightly bound in a hexagonal honeycomb lattice.

When graphene is added to the anti-corrosion layer, the density of the layer can be improved to resist corrosion.



Ordinary coating

5-Layer Structure, Double Protection



HYPER GRAPFINS



Anti-corrosion
Resist 1500h Neutral Salt Spray Test



Anti-aging
Durable After 240h of UVB Light



Double Protection
Double Graphene Layer For Durability



Extreme Durability
Anti-aging and Anti-corrosion



High Thermal Conductivity



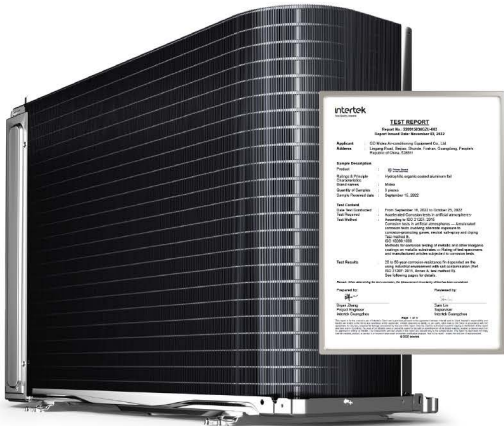
Strong Hydrophilicity

EXTREME DURABILITY

Verified by Three Test Standards

First Test Standard

Accelerated Corrosion Test



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

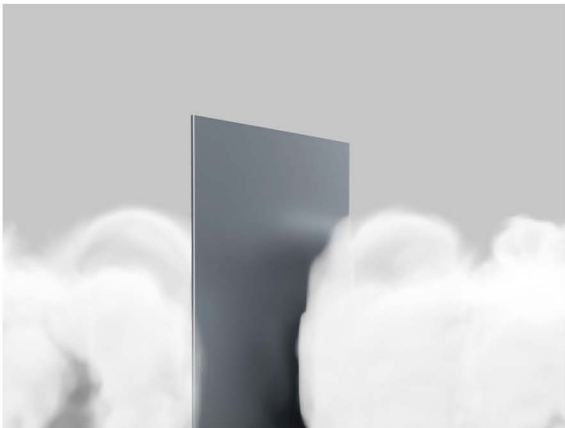
5X corrosion resistance than golden coating

Comparison Result of Corrosion Area



*Midea exclusive anti-aging technology, Ref.test standard is QMK-J037.1021-2019 hydrophilic aluminum foil

1500h Neutral Salt Spray Test

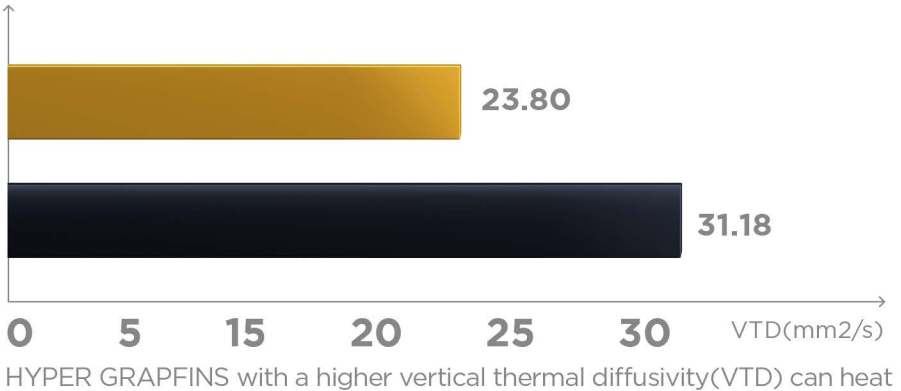


Comparison Result

Coating	Corrosion Area	Rating Number*
HYPER GRAPFINS	0.02%	9.8
Golden Coating	0.05%	9.5
Blue Coating	0.05%	9.5
Green Coating	0.02%	9.8
Aluminum Foil	100%	0

*The full rating number is 10, the result Ref. JIS Z 2371: 2015,Annex 1

HIGH THERMAL CONDUCTIVITY



31%* faster than golden coating.

*The data are obtained from CHINA CEPREI LABORATORY, ASTM E1461-13 standard test method for thermal diffusivity by the flash mehod test.

STRONG HYDROPHILICITY

The hydrophilicity of HYPER GRAPFINS accelerates the flow of condensed water on fins, reduces wind resistance, accelerates heat transfer, and improves the air conditioning performance;

The hydrophilicity of HYPER GRAPFINS 92.5%* stronger than aluminum foil.

*The data is obtained from the Midea Residential Air Conditioner Test Center, campared the original hydrophilic angle.





BUILT TO LAST

The Hexagonal Structure of Graphene
Boasts Great Stability Against Corrosion



Prime Guard
HYPER GRAPHINS



Breezeless E

The Premium Corrosion Resistant Air Conditioner



Model			BZE-INV-09	BZE-INV-12	BZE-INV-18	BZE-INV-24
Indoor			BZE-INV-09	BZE-INV-12	BZE-INV-18	BZE-INV-24
Outdoor			BZE-INV-09X	BZE-INV-12X	BZE-INV-18X	BZE-INV-24X
Power Supply		V-Ph-Hz	220-240V, 1Ph, FREQUENCY 50Hz	220-240V, 1Ph, FREQUENCY 50Hz	220-240V, 1Ph, FREQUENCY 50Hz	220-240V, 1Ph, FREQUENCY 50Hz
Cooling	Capacity	W	2784	3517	5275	7034
		Btu/h	9500	12000	18000	24000
	Input	W	733	1099	1608	2191
	Current	A	3.19	4.78	6.99	9.53
	EER	W/W	3.8	3.2	3.28	3.21
Heating	Capacity	W	2931	3810	5569	7181
		Btu/h	10000	13000	19000	24500
	Input	W	669	995	1432	1967
	Current	A	2.91	4.33	6.23	8.552173913
	COP	W/W	4.38	3.83	3.89	3.65
Rated power input		W	2200	2200	2950	4140
Rated current		A	10.5	10.5	13	18.0
Starting current (Approximate)		A	0.5	0.5	0.5	0.8
Compressor		Type	ROTARY	ROTARY	ROTARY	ROTARY
Indoor air flow (Hi/Mi /Lo)		m3/h	510/415/375	520/420/380	835/620/510	1170/950/810
Indoor noise level (Hi/Mi/Lo)		dB(A)	37.0/32.0/20.0	37.5/35.5/20	41/36.5/32.5	45.0/40.5/30.5
Indoor unit	Dimension(W*D*H)	mm	812x199x299	812x199x299	968x225x320	1030x238x338
	Packing (W*D*H)	mm	870x277x385	870x277x385	1027x307x412	1125x345x430
	Net/Gross weight	kg	9.1/11.6	9.3/12.2	12.3/16.2	14.0/18.6
	Coil Type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
Outdoor air flow		m3/h	1850	1850	2100	3500
Outdoor noise level		dB(A)	55.5	56	57	59.5
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	805x330x554	890x342x673
	Packing (W*D*H)	mm	835x300x540	835x300x540	915x370x615	995x398x740
	Net/Gross weight	kg	22.7/24.4	22.9/24.6	32.3/35.1	41.9/45.0
	Coil Type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
Refrigerant		kg	R32/0.55	R32/0.62	R32/1.1	R32/1.45
Refrigerant piping	Liquid side/Gas side	mm(inch)	6.35mm(1/4in)9.52mm(3/8in)	6.35mm(1/4in)9.52mm(3/8in)	6.35mm(1/4in)12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	25	25	30	50
	Max. difference in level	m	10	10	20	25
Connection wiring			1.5x5//	1.5x5//	1.5x5//	2.5x5//
NB Power point			Power outdoor	Power outdoor	Power outdoor	Power outdoor
Operation temperature		°C	17-30	17-30	17-30	17-30
Room temperature	Indoor (cooling/heating)	°C	16-32/0-30	16-32/0-30	16-32/0-30	16-32/0-30
	Outdoor (cooling/heating)	°C	-15-50/-20-24	-15-50/-20-24	-15-50/-20-24	-15-50/-20-24
Application area (Cooling Standard)		m2	13-19	16-24	24-35	32-47

Notes:

1. Cooling capacity test condition: Outdoor ambient temperature: 35°CDB/24° WB, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 5m.
2. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 5m.
3. Specifications are subject to change without prior notice for product improvement.



Scan the QR Code to learn more about the Midea Breezeless E, or email us on hello@mideaafrica.co.za

www.mideasouthafrica.com