SOS Air Conditioning Systems

"Efficiency, Sustainability and Comfort"

Midea

COASTAL COMFORT, BUILT TO WEATHER

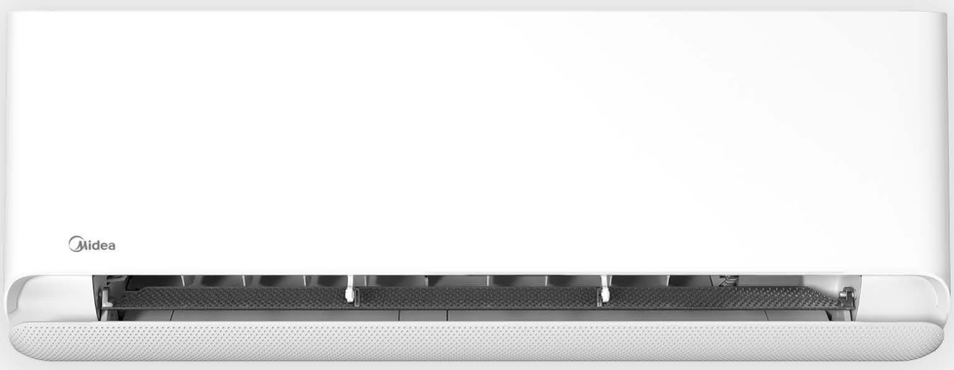
Keep rust at bay with the Breezeless E with anti-corrosive outdoor unit

ENERGY SAVING REPORT

I-CLEAN

BREEZELESS TECHNOLOGY

SMART SLEEP CURVE



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 ourglass 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 to 10.4 °C within 10 minutes*.
* Tested under the outdoor temperature of 2 °C

Air Magic+ Sterilizer

Negative ions inhibit activity and kills (include the rest)

Over-The-Air Technology

Constantly updates the product functional performance.

SOS AIR CONDITIONING

Highlights

Energy Saving Report

The highly precise power detection technology can trace your energy consumption footprints, identify high energy consumption causes and propose customized 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.

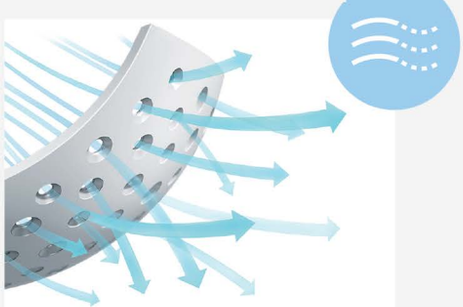
Smart Sleep Curve

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 softest touch of 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 bacterias 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.

BREEZELESS E

Model			MSCB1BU-09HRFN8-QRD1GW	MSCB1BU-12HRFN8-QRD1GW	MSCB1CU-18HRFN8-QRD1GW
Indoor			MSCB1BU-09HRFN8-QRD1GW	MSCB1BU-12HRFN8-QRD1GW	MSCB1CU-18HRFN8-QRD1GW
Outdoor			MOX104-09HFN8-QRD1GW	MOX103-12HFN8-QRD1GW	MOX301-18HFN8-QRD1GW
Power supply		V-Ph-Hz	220_240V_1Ph,FREQUENCY_50HZ	220_240V_1Ph,FREQUENCY_50HZ	220_240V_1Ph,FREQUENCY_50HZ
Cooling (Standard conditions)	Capacity	Btu/h	9553(3500~12000)	12283(4700~14700)	18000(6600~21400)
	Input	W	776(80~1300)	1114(120~1650)	1600(150~2250)
	Current	A	5.6(0.58~5.65)	5.13(0.8~7.2)	7(0.7~9.8)
	EER	W/W	3.61	3.23	3.30
Heating (Standard conditions)	Capacity	Btu/h	10000(3500~13000)	12965(3700~15000)	19000(4400~23900)
	Input	W	696(100~1250)	1024(110~1400)	1500(220~2350)
	Current	A	3.2(0.72~5.6)	4.68(0.74~6.08)	6.5(0.95~10.2)
	COP	W/W	4.21	3.71	3.71
Tol			-15	-15	-15
Moisture Removal		L/h	/	/	/
Rated Power Input		W	2200	2200	2950
Rated Current		A	10.5	10.5	13
Starting current		A	0	0	0
Compressor	Model		KSK103D33UEZ3	KSK103D33UEZ3	KSN140D21UFZ
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	2035/3255	2035/3255	4385
	Input	W	325/826	325/826	1140
	Rated current(RLA)	A	2.40/5.65	2.40/5.65	7.50
	Locked rotor Amp(LRA)	A	/	/	/
	Thermal protector		/	/	/
	Thermal protector position		NA	NA	/
	Capacitor	μF	/	/	/
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 310	ESTER OIL VG74 310	VG74 440
Indoor fan motor	Model		ZKFP-20-8-198	ZKFP-20-8-198	ZKFP-30-8-297L
	Input	W	/	/	/
	Capacitor	uF	/	/	/
	Speed(Hi/Mi/Lo)	r/min	1000/860/790	1020/870/800	1000/850/650
Indoor coil	a.Number of rows		2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	580x195x23.2+580x117x23.2	580x195x23.2+580x117x23.2	720x231x26.74+720x147x26.74
	g.Number of circuits		4	4	3
Indoor air flow (Hi/Mi/Lo)		m3/h	510/415/375	520/420/380	835/620/510
Indoor noise level (Hi/Mi/Lo/Si)		dB(A)	37.0/32.0/20.0//	37.5/35.5/20//	41/36.5/32.5/20.5
Indoor sound power level		dB(A)	53.0	55.0	53
Indoor unit	Dimension(W*D*H)	mm	812x299x199	812x299x199	968x225x320
	Packing (W*D*H)	mm	870x277x385	870x277x385	1027x307x412
	Net/Gross weight	kg	9.1/11.6	9.3/12.2	12.3/16.2
Outdoor fan motor	Model		ZKFN-25-10-5L	ZKFN-25-10-5L	ZKFN-34-10-1L
	Input	W	/	/	/
	Capacitor	uF	/	/	/
	Speed	r/min	800/600	800/600	780/650
Outdoor coil	a.Number of rows		1	1	2
	b.Tube pitch(a)x row pitch(b)	mm	21x22	21x22	21x22
	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	740x462x22	740x462x22	860*504*44
	g.Number of circuits		2	2	4
Outdoor air flow		m3/h	1850	1850	2100
Outdoor sound pressure level		dB(A)	19.0	19	57
Outdoor sound power level		dB(A)	61.0	62.0	65
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	805x330x554
	Packing (W*D*H)	mm	835x300x540	835x300x540	915x370x615
	Net/Gross weight	kg	22.7/24.4	22.9/24.6	32.3/35.1
Refrigerant	Type		R32	R32	R32
	GWP		675	675	675
	Charged quantity	kg	0.55	0.62	1.1
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7
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)
	Max. refrigerant pipe length	m	25	25	30
	Max. difference in level	m	10	10	20
Connection wiring			1.5x5//	1.5x5//	1.5x5//
Plug type			//no-plug	//no-plug	//no-plug
Thermostat type			遥控式(Remote Control)	遥控式(Remote Control)	遥控式(Remote Control)
Room temperature	Indoor(cooling/ heating)	℃	16～32/0～30	16～32/0～30	16～32/0～30
	Outdoor(cooling/heating)	℃	-15～50/-20～24	-15～50/-20～24	-15～50/-20～24
Application area (Cooling Standard)		m2	13～19	16～24	24～35
Qty'per 20' /40' /40'HQ			128/265/302	128/265/302	81/174/196

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