

Midea HOME COMFORT

WALL-MOUNTED UNITS

PREMIUM CLASS

NEW



# MISSION

## Extreme

SERIES

Excellent efficiency even in extreme outdoor conditions. Mission Extreme is a guarantee of the highest comfort in a room, both in summer and winter.

## MISSION Extreme SERIES

## PREMIUM CLASS

NEW



INDOOR UNIT



OUTDOOR UNIT

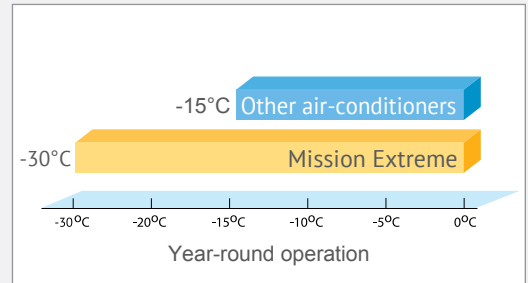


REMOTE CONTROLLER

## TOP 3 UNIQUE FEATURES

.01 OPERATION UP TO  $-30^{\circ}\text{C}$ 

Operating capacity range at outdoor temperature below  $-30^{\circ}\text{C}$  means comfort in a room in the coldest days during a year. Outdoor units are equipped with drain pan pump, smart defrost function and the heat exchanger is covered with hydrophilic coating in order to increase the operating capacity at extremely low outdoor air temperatures.

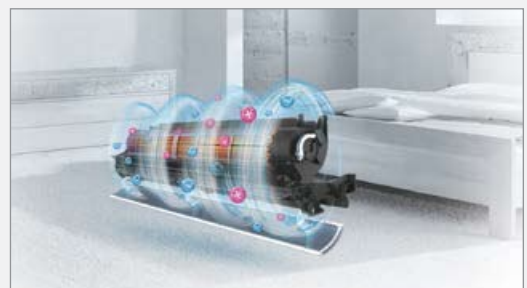
.02  $8^{\circ}\text{C}$  HEAT FUNCTION

In the heating mode, the unit maintains minimum temperature hold of  $8^{\circ}\text{C}$ . This protects the room from considerable cooling down during longer periods of user absence in winter.



## .03 SELF-CLEANING

This feature includes cleaning of the indoor unit heat exchanger by drying it after operation in cooling mode and also cleaning of the outdoor unit heat exchanger. Cleaning of the outdoor exchanger is realized by switching the fan on in the opposite direction to the standard operation.



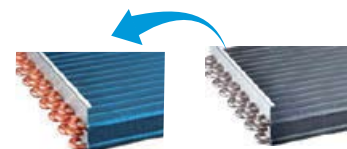
## ENVIRONMENT FRIENDLY R32 REFRIGERANT

R32 refrigerant have nearly three time lower impact on global warming than the traditional R410A and 10% higher unit's energy efficiency!



## HYDROPHILIC COATING

The new design of exchangers, as well as the fins with hydrophilic coating, provide highly efficient heat exchange in any operation mode and prevent water drops from settling on the coil. As a consequence, water is drained faster and the effect of exchanger freezing is minimized.



Hydrophilic fins  
+ female threaded pipes

## FOLLOW ME FUNCTION

The temperature sensor is built in the wireless remote controller. Therefore, the temperature measurement may be taken closer to the user and the air-conditioner operation shall be more precisely adapted to real conditions in a room.



## ECO MODE

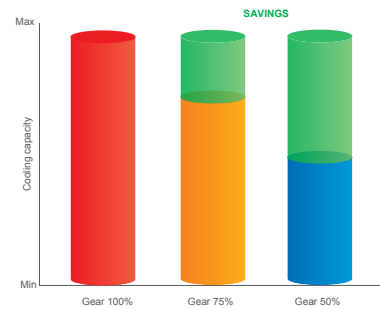
ECO function automatically adjusts the indoor unit air-flow speed and the set temperature in order to obtain the maximal energy efficient operation. Electric energy consumption is significantly reduced, resulting in more than 60% savings in comparison with standard operation of the unit.



# MISSION Extreme SERIES

## GEAR MODE

Due to the possibility of adjusting the compressor operation and supplied air temperature, the energy consumption can be controlled and user decides about maximum intensity of unit operation.



## LONG RANGE

Specially designed air-flow ducts, together with ultra-fast fan, are able to supply cool and pleasant air in every corner of a room.



## TURBO

Feel comfortable within 30 sec. Now, you can achieve the desired cooling effect in half the standard time. Super strong air-flow quickly cools down your room.

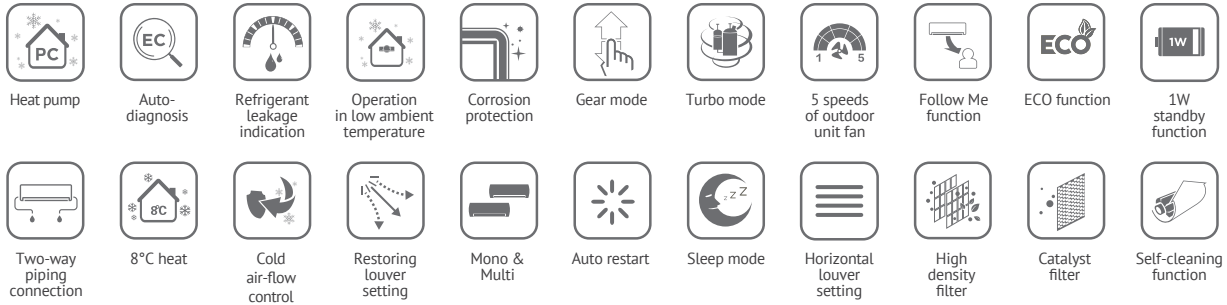


## WIFI CONTROL

A small interface (USB size) makes it possible to add the WIFI control function at any time. This enables you to control the air-conditioner operation with the use of, for instance, a tablet or smartphone. From now on, you can control your air-conditioner from anywhere in the world.



## BASIC FUNCTIONS



## OPTIONAL FUNCTIONS



## TECHNICAL SPECIFICATIONS

Set			KMB-E09N8-A1	KMB-E12N8-A1	KMB-E18N8-A1	KMB-E24N8-A1	
Indoor unit			MB-09N8D6-I	MB-12N8D6-I	MB-18N8D0-I	MB-24N8D0-I	
Outdoor unit			MBT-09N8D6-OH	MBT-12N8D6-OH	MB-18N8D0-OH	MB-24N8D0-OH	
Power supply (V/phase/Hz)			220-240/1/50				
Version			Reversible heat pump				
Cooling	Capacity	Rated	kW	2.5	3.4	5.4	7.0
		Min-Max	kW	1.0~3.2	1.4~4.3	2.0~6.2	2.1~8.4
	Rated input power		kW	0.67	0.92	1.50	2.21
	EER		kW/kW	3.72	3.71	3.60	3.17
	Annual power consumption		kWh/year	106	162	251	374
	SEER			8.2	7.4	7.3	6.8
	ErP energy class			A++	A++	A++	A++
Heating	Capacity	Rated	kW	2.9	3.8	5.4	7.7
		Min-Max	kW	0.8~3.4	1.1~4.4	1.4~7.0	1.6~9.4
	Rated input power		kW	0.65	0.95	1.42	2.03
	COP		kW/kW	4.46	3.99	3.80	3.79
	Annual power consumption		kWh/year	704	694	1590	2358
	SCOP			4.6	4.6	4.0	4.0
	ErP energy class			A++	A++	A+	A+
Maximum input current		A	9.0	10.0	15.0	16.0	
Indoor unit	Dimensions (width x depth x height)		mm	730x198x293	810x200x300	980x225x325	1090x235x338
	Weight		kg	7.4	8.3	10.7	13.0
	Air-flow (low/medium/high)		m <sup>3</sup> /h	240/370/440	270/440/500	500/590/750	550/700/1050
	Acoustic pressure level (quiet/low/medium/high mode)		dB(A)	20/24/31/39	21/24/32/40	22/24/33/42	21/26/36/47
	Acoustic power level		dB(A)	55	56	58	62
Outdoor unit	Dimensions (width x depth x height)		mm	800x333x554	800x333x554	800x333x554	845x363x702
	Weight		kg	28.5	28.5	36.9	49.7
	Air-flow		m <sup>3</sup> /h	1980	1980	2100	3300
	Acoustic pressure level		dB(A)	55	60	59	61
	Acoustic power level		dB(A)	59	62	64	67
Refrigerant		Type		R32	R32	R32	R32
		Amount	kg	0.65	0.65	1.25	1.60
Refrigerant installation	Liquid/gas	mm	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52	Ø6.35 / Ø12.7	Ø9.52 / Ø15.9	
	Max. length / Max. height difference	m	25 / 10	25 / 10	30 / 20	50 / 25	
Recommended operating temperature ranges (outdoor)		Cooling	°C	-15 ~ 50			
		Heating	°C	-30 ~ 30			

Capacity is based on the following conditions:  
Cooling: indoor temperature 27°C DB/19°C WB; outdoor temperature 35°C DB/24°C WB  
Heating: indoor temperature 20°C DB/15°C WB; outdoor temperature 7°C DB/6°C WB  
Installation length: length of connected pipes is 7,5 m; the height difference is 0.  
The unit contains fluorinated greenhouse gases (R32 GWP=675)