



Economy Operation

When enabled, this function starts the air-conditioner for 8 hours in economy operation mode, thereby reducing energy consumption even by 60%, in comparison with operation in standard mode.



1W in standby mode

In the standby mode, by cutting off the power from the unused electric components, the energy consumption will be reduced to 1W. In comparison with conventional units that use 5W of energy in standby mode, we can achieve savings of 80%.



Sleep Mode

By activating this function, the air-conditioner will automatically increase (or decrease in the heating mode) the set temperature by 1°C during the first two hours of operation, while the fan is set at low speed. After further 5 hours of continuous operation – the air-conditioner will switch off. Unnoticeable for the user, slow change of temperature and automatic switching off, guarantees maintaining comfort and significant energy saving.



Refrigerant leakage detection

In the event the unit detects refrigerant leakage, the indoor unit display will show the EC code and the air-conditioner stops operating. This function additionally protects the compressor against damage.



Emergency Operation Mode

In the event of temperature sensor failure, the air-conditioner displays an error code, without stopping the operation. This allows the air-conditioner to operate in the emergency mode until the arrival of the service team.



Operation in Low Ambient Temperatures

A built-in low temperature kit adjusts the outdoor unit fan speed according to the condensing temperature. This allows the unit to operate in cooling mode at outdoor temperatures as low as -15°C.



High Density Filter

Smaller mesh diameter of the filter cloth increases filtering efficiency up to 80% in comparison with traditional filters used in other air-conditioners.



Fast Cooling / Heating Function

During start-up the compressor instantly reaches its maximum rotations, in order to ensure comfort in the room in the quickest way.



Turbo Function

After switching this function on, the fan will automatically run on the highest speed, in order to rapidly cool down the room.



Mute Function

User can switch off the beep sounds emitted by the air-conditioner as well as the display backlight, to ensure that nothing affects the leisure in the room.



Temperature Compensation

Temperature measured by the sensor placed inside the air-conditioner, may differ, depending on the installation height, from the temperature above the floor even by several degrees. The temperature compensation function allows relevant adjustments to be made in order to ensure more accurate temperature control and increase the air-conditioner usage comfort.



Auto Swing

Through automatic swing of the air louver we can achieve even distribution of the cold or warm air in the whole room.



Manual switch

You can easily turn the air-conditioner on or off, without using a remote controller or additional tools, just use the built-in switch.



Auto Restart

In case of power cuts, the air-conditioner memorizes all last settings and resumes them automatically after the power is restored.



Timer

This function enables adjustment of time for automatic switching on and off of the air-conditioner



Restoring the Louver Settings

The air-conditioner memorizes the last setting of the louver and resumes it each time the unit is started.



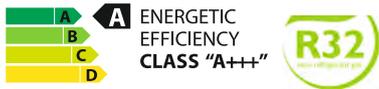
Two-Way Connection of the Condensate Drain

Condensate drain pipes can be connected both from the left or right side of the unit, what significantly simplifies the installation.



Self-diagnostics and Protection Function

In the event of detected malfunction, the unit automatically switches off and displays relevant error code, what significantly simplifies diagnostics and resolving the failure.



Technical specifications

MODEL			MBCXV2-12	MBCXV2-18	MBCXV2-24
Power supply		Ph-V-Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz
Rated Cooling	Capacity	Btu/h	12000 (3800~14200)	18000 (1157~19900)	24000 (7100~27000)
Cooling Power input		W	1213 (130~1580)	1550 (560~2050)	2600 (420~3150)
Cooling Current		A	5.27 (0.5~6.9)	6.7 (2.4~8.9)	11.5 (1.8~13.8)
Cooling	SEER	W/W	6.3	7.4	6.1
	Energy Efficiency Class		A++	A++	A++
Heating	SCOP	W/W	5.1	5	5
	Energy Efficiency Class		A+++	A+++	A++
Rated Heating	Capacity	Btu/h	13000 (3700~14400)	19000 (10580~19960)	25000 (5500~27000)
Heating Power input		W	1088 (100~1680)	1570 (780~2000)	2400 (300~2750)
Heating Current		A	4.73 (0.4~6.9)	6.8 (3.4~8.7)	11 (1.3~12.2)
Max. input consumption		W	2150	2500	3500
Max. current		A	10	13	15.5
Starting current		A	/	0	0
Indoor air flow (Hi/Mi/Lo)		m3/h	466/360/325	840/680/540	980/817/662
Indoor noise level (Hi/Mi/Lo)		dB(A)	38.5/32/25	42.5/36/26	45/40.5/36
Indoor sound power level		dB(A)	54	56	59
Indoor unit	Dimension(W*D*H)	mm	805x194x285	957x213x302	1040x220x327
	Packing (W*D*H)	mm	870x270x365	1035x295x385	1120x405x315
	Net/Gross weight	Kg	7.6/9.7	10/13	12.3/15.8
Outdoor air flow		m3/h	1800	2100	3500
Outdoor sound pressure level		dB(A)	56.0	56	59
Outdoor sound power level		dB(A)	63.0	63	67
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	805x330x554	890x342x673
	Packing (W*D*H)	mm	835x300x540	915x370x615	995x398x740
	Net/Gross weight	Kg	23.2/25.0	32.7/35.4	42.9/45.9
Refrigerant	Type		R32	R32	R32
Refrigerant piping	Liquid side/ Gas side	mm(inch)	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	30	50
	Max. difference in level	m	10	20	25
Connection wiring			1.5x5//	1.5x5//	2.5x5//

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