

**R-32**  
eco-friendly  
refrigerant



# Aroma

## Turbo function

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



## 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 the standby mode, we can achieve savings of 80%.



## Aromatic filter

The air-conditioner is optionally equipped with an aromatic filter, which ensures feeling of jasmine freshness for several weeks.



## Functions

### STANDARD



Turbo function



Emergency operation mode



Operation in low ambient temperatures



Hot start



1W in standby mode



Split and multi compatible



Restoring the lower settings



Wireless remote controller



WiFi control



"Follow me" function



Aromatic filter



Auto restart



Timer



5 steps of fan speed regulation



Intelligent modulation of the fan rotational speed



Sleep mode

### OPTIONAL



8°C heating

## Technical specifications

Set				ZAF-09N8-A1	ZAF-12N8-A1	ZAF-18N8-A1	ZAF-24N8-A1	
Indoor unit				MSAFBU-09HRDN8-QRD0GW	MSAFBU-12HRDN8-QRD0GW	MSAFBU-18HRFN8-QRD0GW	MSAFDU-24HRFN8-QRD0GW	
Outdoor unit				MOBA03-09HFN8-QRD0GW	MOBA03-12HFN8-QRD0GW	MOB02-18HFN8-QRD0GW	MOCA02-24HFN8-QRD0GW	
Power supply (V/phase/Hz)				220-240/1/50				
Version				Reversible heat pump				
Cooling	Capacity	Rated	kW	2.6	3.5	5.3	7.0	
		Min-Max	kW	1.0-3.2	1.1-4.1	1.8-6.1	2.1-7.9	
	Rated input power		kW	0.71	1.24	1.92	2.35	
	EER		kW/kW	3.70	2.82	2.76	2.98	
	Annual power consumption		kWh/year	153	204	254	412	
	SEER			6.2	6.1	7.1	6.1	
ErP energy class			A++	A++	A++	A++		
Heating	Capacity	Rated	kW	2.9	3.5	5.6	7.3	
		Min-Max	kW	0.8-3.4	1.1-4.2	1.4-6.7	1.6-8.8	
	Rated input power		kW	0.74	0.96	1.55	2.04	
	COP		kW/kW	3.92	3.65	3.61	3.58	
	Annual power consumption		kWh/year	762	841	1425	1700	
	SCOP			4.0	4.0	4.0	4.0	
ErP energy class			A+	A+	A+	A+		
Maximum input current			A	10.0	10.0	10.0	16.0	
Indoor unit	Dimensions (width x depth x height)		mm	805×194×285	805×194×285	957×213×302	1040×220×310	
	Transport dimensions (width x depth x height)		mm	870×270×360	870×270×360	1035×295×380	1120×405×327	
	Weight (net/gross)		kg	7.8/9.6	7.8/9.6	10.0/13.0	12.3/15.8	
	Air-flow (low/medium/high)		m <sup>3</sup> /min	5.7/7.7/8.7	6.0/8.3/10.0	9.0/11.3/14.0	11.0/13.6/16.3	
	Acoustic pressure level (low/medium/high)		dB(A)	28/31/38	27/34/39	28/34/44	30/37/46	
	Acoustic power level		dB(A)	53	53	55	59	
Outdoor unit	Dimensions (width x depth x height)		mm	700×270×550	700×270×550	800×333×554	845×363×702	
	Transport dimensions (width x depth x height)		mm	815×325×615	815×325×615	920×390×615	965×395×765	
	Weight (net/gross)		kg	22.8/25.1	22.8/25.1	34.0/36.7	51.5/54.5	
	Air-flow		m <sup>3</sup> /min	28.3	28.3	33.3	50.0	
	Acoustic pressure level		dB(A)	55	55	55	59	
	Acoustic power level		dB(A)	61	65	61	67	
Refrigerant	Type			R32	R32	R32	R32	
	Charge		kg	0.50	0.50	1.00	1.60	
Refrigerant installation	Liquid/gas		mm	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52	Ø6.35 / Ø12.7	Ø9.52 / Ø15.9	
	Maximum length		m	25	25	30	50	
	Maximum height difference		m	10	10	20	25	
Recommended electrical wiring and protections	Power supply unit/cross-section		mm <sup>2</sup>	outdoor unit / 3×1.5	outdoor unit / 3×1.5	outdoor unit / 3×2.5	outdoor unit / 3×2.5	
	Transmission		mm <sup>2</sup>	5×1.5	5×1.5	5×1.5	5×1.5	
	Protection		A	10	10	16	20	
Recommended operating temperature ranges (outdoor)			Cooling	°C				-15 - 50
			Heating	°C				-25 - 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). For the proper operation of outdoor units in the heat pump mode, it is necessary to apply a drain pan heater or provide smooth condensate drain in another manner. Choice of the appropriate solution is a matter for installer.