

MULTISPLIT OUTDOOR UNITS

Multiwarm has a wide range of outdoor units, with different power motors. Multisplit outdoor units can be connected up to 5 indoor units, for residential and commercial use.

Equipped with a DC Inverter rotary compressor, they guarantee the best performance in all seasons.



Outdoor unit	EER*	COP*	SEER*	SCOP*
MCKGM 402 Z2	3.72	4.54	7.20 / A++	4.20 / A+
MCKGM 532 Z2	3.58	4.53	7.20 / A++	4.20 / A+
MCKGM 602 Z3	4.12	4.56	7.80 / A++	4.30 / A+
MCKGM 712 Z3	3.77	3.86	7.10 / A++	4.30 / A+
MCKGM 822 Z4	3.77	4.31	7.20 / A++	4.20 / A+
MCKGM 1202 Z5	3.56	4.08	7.20 / A++	4.20 / A+

* The values reported may vary depending on the combinations chosen. For more information, refer to the technical manuals.

-15°C
High heating operating efficiency

43°C
High cooling operating efficiency

High compactness



Top-level performance and efficiency for the 12.1 kW capacity

Multiwarm offers a complete range of indoor units - from wall-mounted units to cassettes, right through to ducted units - ensuring the best solution for end-user needs.

The key figures for the 12.1 kW size (efficiency, maximum piping length, delivered output) are among the best in its market segment.

12.1 kW

High-capacity size with up to 5 connections



TOP

2.6 kW

Maximum modulation in cooling

TOP

15.2 kW

Maximum delivered output in cooling

TOP

3.0 kW

Maximum modulation in heating

Silver

15.5 kW

Maximum delivered output in heating

A lower minimum value in the modulation range means the system operates at low output when demand is limited, delivering higher efficiency and lower consumption.

A higher maximum value in the modulation range, under high demand, ensures the system can go beyond nominal operation when outdoor temperatures allow.

Output will drop, but the user's thermal comfort will still be maintained.

TOP

7.2 SEER

Highest SEER in its market segment

TOP

A++

Cooling energy class

TOP

100 m

Best maximum piping length in its market bracket

TOP

4.2 SCOP

Highest SCOP in its market segment

TOP

A+

Heating energy class

The values shown are the result of an internal comparative analysis with the main competitors in the relevant market segment. Values updated in September 2025 based on data in the 2025 public catalogues.

Ask your sales representative for more information.

KEY



Top feature, the best data on the market



Silver feature, one of the best figures on the market

OUTDOOR UNITS

6 CAPACITIES
4.10~12.10 kW

UP TO FIVE CONNECTABLE INDOOR UNITS

MAXIMUM FLEXIBILITY
ease of installation guaranteed by wide ranges of refrigerant piping splitting

ALL COMPRESSORS ARE ROTARY DC INVERTER

WIDE OPERATION RANGE
heating with outdoor temperatures down to -15° C



MCKGM 402 Z2 / MCKGM 532 Z2



MCKGM 602 Z3 / MCKGM 712 Z3 / MCKGM 822 Z4



MCKGM 1202 Z5

Outdoor unit model		MCKGM 402 Z2	MCKGM 532 Z2	MCKGM 602 Z3	MCKGM 712 Z3	MCKGM 822 Z4	MCKGM 1202 Z5		
Type		DC-Inverter heat pump outdoor unit							
Connectable indoor units (min - max)		no.	1 - 2	1 - 2	2 - 3	2 - 3	2 - 4		
Nominal data									
Nominal capacity (T=+35°C)	Cooling	kW	4.10 (2.05~5.00)	5.30 (2.14~5.80)	6.10 (2.22~8.30)	7.10 (2.30~9.20)	8.00 (2.30~11.00)	12.10 (2.60~15.20)	
		Nominal absorbed power (T=+35°C)	kW	1.10	1.48	1.48	1.88	2.12	3.40
		Nominal energy efficiency coefficient	EER ¹	3.72	3.58	4.12	3.77	3.77	3.56
Nominal capacity (T=+7°C)	Heating	kW	4.40 (2.49~5.40)	5.65 (2.58~6.50)	6.50 (3.60~8.50)	8.60 (3.65~9.20)	9.50 (3.65~10.25)	13.00 (3.00~15.50)	
		Nominal absorbed power (T=+7°C)	kW	0.97	1.25	1.43	2.23	2.20	3.19
		Nominal energy performance coefficient	COP ¹	4.54	4.53	4.56	3.86	4.31	4.08
Seasonal data									
Theoretical load (Pdesignc)	Cooling	kW	4.10	5.30	6.10	7.10	8.00	12.10	
		SEER ²	7.20	7.20	7.80	7.10	7.20	7.20	
		626/2011 ³	A++	A++	A++	A++	A++	A++	
Annual energy consumption		kWh/y	199	257	273	350	388	588	
Theoretical load (Pdesignh) @ -10°C	Heating (average weather conditions)	kW	3.80	4.10	6.10	6.10	7.20	13.00	
		Seasonal energy efficiency index	SCOP ²	4.20	4.20	4.30	4.30	4.20	4.20
		626/2011 ³	A+	A+	A+	A+	A+	A+	
Annual energy consumption		kWh/y	1266	1366	1986	1986	2400	4333	
Electrical data									
Power supply	Ph-V-Hz	1-220~240V-50HZ							
Power cable	Type	3 x 2.5 mm ²	3 x 2.5 mm ²	3 x 4 mm ²	3 x 4 mm ²	3 x 4 mm ²	3 x 4 mm ²		
Connection wires between each I.U. and O.U.	no.	4	4	4	4	4	4		
Nominal absorbed current	Cooling	A	4.90	6.60	6.60	8.40	9.40	15.10	
	Heating	A	4.40	5.60	6.30	9.90	9.80	14.20	
Maximum current	A	10.00	11.00	12.90	15.00	16.00	21.70		
Maximum absorbed power	kW	2.25	2.50	2.90	3.40	3.60	5.00		
Refrigerant circuit data									
Refrigerant ⁴	Type (GWP)	R32 (675)							
Q.ty of refrigerant pre-charge	kg	0.75	0.90	1.60	1.70	1.80	2.40		
Tons of CO2 equivalent	t	0.506	0.608	1.080	1.148	1.215	1.620		
Liquid/gas refrigerant pipe diameter	mm (inches)	2 x 6.35(1/4)	2 x 6.35(1/4)	3 x 6.35(1/4)	3 x 6.35(1/4)	4 x 6.35(1/4)	5 x 6.35(1/4)		
		2 x 9.52(3/8)	2 x 9.52(3/8)	3 x 9.52(3/8)	3 x 9.52(3/8)	4 x 9.52(3/8)	5 x 9.52(3/8)		
Total split length	m	40	40	60	60	70	100		
Max length of a single refrigerant line	m	20	20	20	20	20	25		
Max difference in height I.U./O.U.	m	15	15	15	15	15	25		
Max difference in height between I.U.	m	15	15	15	15	15	25		
Split length without additional charge	m	10	10	30	30	40	50		
Additional charge	g/m	20	20	20	20	20	20		
Product specifications									
Dimensions	LxDxH	mm	745x300x550	745x300x550	889x340x654	889x340x654	889x340x654	1020x427x826	
Net weight	kg	30	32	47.5	47.5	51	73		
Sound power level	Max	dB(A)	62	64	68	68	68	74	
Sound pressure level	Max	dB(A)	52	54	58	58	58	60	
Volume of air treated	m ³ /h	2300	2300	3800	3800	3800	5800		
Operating limits (outdoor temperature)	Cooling	°C						-15~43	
	Heating	°C						-15~24	

Seasonal energy efficiency values refer to the following combinations:

MCKGM 402 Z2 + 2 x MKEGM 265 ZAL; MCKGM 532 Z2 + 2 x MKEGM 265 ZAL; MCKGM 602 Z3 + 3 x MKEGM 265Z AL; MCKGM 712 Z3 + 3 x MKEGM 265 ZAL; MCKGM 822 Z4 + 4 x MKEGM 265 ZAL; MCKGM 1202 Z5 + 5 x MKEGM 265 ZAL.

1. Value measured according to the harmonized standard EN14511. 2. EU Regulation No. 206/201 - N.2281/2016 - Value measured according to the harmonized standard EN14825. 3. EU Delegated Regulation No. 626/2011 on the new labelling indicating the energy consumption of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. Therefore, if 1 kg of this refrigerant were released into the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user attempt to intervene on the refrigerant circuit or disassemble the product. In case of need, always contact qualified personnel.