

MXZ-D/C Inverter Heat Pump (5.2-12kW)

Multi-Split Units

The multi-split system allows up to six M Series or Mr Slim wall mounted, cassette, ducted, floor or ceiling mounted indoor unit heat pumps of different capacities to be operated from a single outdoor unit. This makes it an economic answer in multi-room applications, whilst also offering space saving benefits.

Key Features

- Up to six indoor units may be connected to a single outdoor unit
- Energy saving inverter controlled outdoor unit adjusts compressor performance to economically match the demand for heating and cooling
- Units may be added within the capacity of the system as requirements change
- Capacities of indoor units may be mixed to suit individual rooms
- Size 83, 102 and 122 have current limit adjustment for managing energy costs. They also feature a wiring/piping correction function to analyse the system for connection errors via the press of a single button



MULTI-SPLIT - INDOOR UNITS		WALL MOUNTED		FLOOR MOUNTED	DUCTED	CEILING CASSETTE	CEILING DUCTED
MXZ-2D53VA		MSZ-SF20/25/35VE / MSZ-FH25/35VE MSZ-EF25/35VEB/S/W		MFZ-KA25/35/50VA	SEZ-KD25/35VAQ ³	SLZ-KA25/35VAQ	-
MXZ-3D54VA		MSZ-SF20/25/35/50VE / MSZ-FH25/35VE MSZ-EF25/35VEB/S/W		MFZ-KA25/35/50VA	SEZ-KD25/35/50VAQ ³ PEAD-RP50JAQ ¹	SLZ-KA25/35/50VAQ PLA-RP50BA	PCA-RP50KAQ
MXZ-4D72VA		MSZ-SF20/25/35/50VE / MSZ-GF60VE MSZ-FH25/35VE / MSZ-EF25/35VEB/S/W		MFZ-KA25/35/50VA	SEZ-KD25/35/50/60VAQ ³ PEAD-RP50JAQ ¹	SLZ-KA25/35/50VAQ PLA-RP50/60BA	PCA-RP50/60KAQ
MXZ-4D83VA		MSZ-SF20/25/35/50VE / MSZ-GF60/71VE MSZ-FH25/35VE / MSZ-EF25/35VEB/S/W		MFZ-KA25/35/50VA	SEZ-KD25/35/50/60/71VAQ ³ PEAD-RP50/60/71JAQ ¹	SLZ-KA25/35/50VAQ PLA-RP50/60/71BA	PCA-RP50/60/71KAQ
MXZ-5D102VA		MSZ-SF20/25/35/50VE / MSZ-GF60/71VE MSZ-FH25/35VE / MSZ-EF25/35VEB/S/W		MFZ-KA25/35/50VA	SEZ-KD25/35/50/60/71VAQ ³ PEAD-RP50/60/71JAQ ¹	SLZ-KA25/35/50VAQ PLA-RP50/60/71BA	PCA-RP50/60/71KAQ
MXZ-6C122VA		MSZ-SF20/25/35/50VE / MSZ-GF60/71VE MSZ-FH25/35VE / MSZ-EF25/35VEB/S/W		MFZ-KA25/35/50VA	SEZ-KD25/35/50/60/71VAQ ³ PEAD-RP50/60/71JAQ ¹	SLZ-KA25/35/50VAQ PLA-RP50/60/71BA	PCA-RP50/60/71KAQ

MXZ-D/C - OUTDOOR UNITS		MXZ-2D53VA	MXZ-3D54VA	MXZ-4D72VA	MXZ-4D83VA	MXZ-5D102VA	MXZ-6C122VA
NUMBER OF CONNECTABLE INDOOR UNITS		2	2 - 3	2 - 4	2 - 4	2 - 5	2 - 6
CAPACITY (kW)	Heating (nominal)	6.4 (1.0-7.0)	7.0 (2.6-9.0)	8.6 (3.4-10.7)	9.4 (3.4-11.6)	10.5 (4.1-14.0)	14.0 (3.5-16.5)
	Cooling (nominal)	5.3 (1.1-5.6)	5.4 (2.9-6.8)	7.1 (3.7-8.8)	8.3 (3.7-9.2)	10.2 (3.9-11.0)	12.2 (3.5-13.5)
	Heating (UK)	5.3 (0.83-5.81)	5.8 (2.16-7.47)	7.1 (2.82-8.89)	7.8 (2.82-9.63)	8.7 (3.40-11.63)	11.6 (2.90-13.71)
	Cooling (UK)	5.2 (1.09-5.55)	5.3 (2.87-6.74)	7.0 (3.67-8.72)	8.2 (3.67-9.12)	10.1 (3.86-10.90)	12.1 (3.47-13.39)
COP / EER (nominal) ²		3.76 / 3.44	4.40 / 3.88	3.77 / 3.20	3.72 / 2.93	3.62 / 2.61	3.67 / 3.01
SCOP / SEER (BSEN14825)		4.2 / 7.1	3.9 / 5.8	3.9 / 5.7	3.9 / 5.2	3.8 / 5.3	- / -
EPR ENERGY EFFICIENCY CLASS		Heating/Cooling A+ / A++	A+ / A+	A+ / A+	A / A	A / A	N/A
MAX AIRFLOW (m³/min)		Heating/Cooling 33.3 / 32.9	39.6 / 38.9	39.6 / 38.9	43.8 / 42.1	59.3 / 56.6	69.9 / 59.5
SOUND PRESSURE LEVEL (dBA)		Heating/Cooling - SILHI 53 / 50	53 / 50	53 / 50	50 / 49	55 / 53	57 / 55
SOUND POWER LEVEL (dBA)		Cooling 64	64	64	64	68	69
DIMENSIONS (mm)		Width x Depth x Height 800 x 285 x 550	840 x 330 x 710	840 x 330 x 710	900 x 320 x 915	900 x 320 x 915	900 x 320 x 1070
WEIGHT (kg)		37	57	58	69	70	87
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
POWER INPUT (kW)	Heating/Cooling (nominal)	1.70 / 1.54	1.59 / 1.39	2.28 / 2.25	2.42 / 2.83	2.90 / 3.91	3.81 / 4.05
	Heating/Cooling (UK)	1.54 / 1.23	1.44 / 1.11	2.07 / 1.80	2.20 / 2.26	2.63 / 3.12	3.46 / 3.21
STARTING CURRENT (A)		7.6	7.0	10.0	12.4	17.2	18.0
RUNNING CURRENT (A)		Heating/Cooling [MAX] 7.6 / 6.9 [12.2]	7.0 / 6.1 [18]	10.0 / 9.9 [18]	10.6 / 12.4 [20.4]	12.7 / 17.2 [21.4]	16.7 / 17.8 [30]
INTERCONNECTING CABLE No. CORES		4 Core	4 Core	4 Core	4 Core	4 Core	4 Core
TOTAL PIPE LENGTH (m)		30	50	60	70	80	80
MAX PIPE LENGTH PER INDOOR UNIT (m)		20	25	25	25	25	25
MAX HEIGHT DIFFERENCE (m)		15 (10 if OU higher than IU)	15 (10 if OU higher than IU)	15 (10 if OU higher than IU)	15 (10 if OU higher than IU)	15 (10 if OU higher than IU)	15 (10 if OU higher than IU)
CHARGE R410A (kg) [Precharged Length]		1.30 [20m]	2.70 [40m]	2.70 [40m]	3.50 [40m]	4.0 [40m]	4.8 [40m]
FUSE RATING (BS88) - HRC (A)		15	25	25	25	25	32

Notes:

*1 Combined max running current of all indoors on system must not exceed 3A if PEAD-RP is used.

*2 System COP / EER when connected to MSZ-EF x indoor unit connections.

*3 The SEZ-KD25VAQ cannot be used when the total indoor capacity is equal to the outdoor capacity i.e. when the capacity ratio is 1.