

The Renewable Solutions Provider
Making a World of Difference

Multi-Splits

Split-System
Air Conditioning



Air Conditioning | Heating
Ventilation | Controls

Multi-Splits



MXZ Multi-Split Systems

Multi-Split systems allow up to eight M Series or Mr Slim cassette, ducted, floor, ceiling or wall mounted indoor units of different capacities to be operated from a single outdoor unit.

8 Outdoor Units



MXZ-2D53VA
Inverter Multi unit



MXZ-3D54VA
MXZ-4D72VA
Inverter Multi units



MXZ-4D83VA
MXZ-5D102VA
Inverter Multi units



MXZ-6C122VA
Inverter Multi unit



MXZ-8B140VA
MXZ-8B160YA
Power Multi units

32 Indoor Units

MSZ-SF/GF Series



MSZ-FH Series



MFZ-KA Series



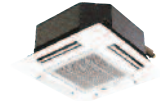
SEZ-KD Series



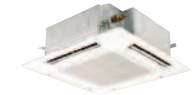
PEAD-RP Series



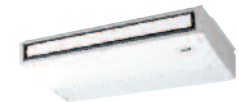
SLZ-KA Series



PLA-(Z)RP Series



PCA-RP Series



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-KA25/35/50/60VAQ 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	- / -
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A++	A+ / A+	A+ / A+	A / A	A / A	N/A
MAX AIRFLOW (m ³ /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 - Sil-Hi	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

MXZ-8B Power Multi-Split (14-15.5kW)

Inverter Heat Pump Multi-Split Units

The Power Multi-Split systems allow up to eight M Series or Mr Slim cassette, ducted, floor, ceiling or wall mounted indoor units of different capacities to be operated from a single outdoor unit, making use of two types of branch box to achieve this. This makes them an economic answer in multi-room applications and ideal for small commercial buildings.

Key Features

- 14 and 15.5kW Inverter Multi Systems, based on Mr Slim Power Inverter technology
- Total Pipe length of 115m / Height difference of 30m
- Individual control of each indoor unit is now possible (ON/OFF & Setpoint)
- Low starting and running currents
- Connection to M-NET system via **MAC-333IF** interface (one per indoor unit)
- Current limit adjustment for managing energy costs



MULTI-SPLIT - INDOOR UNITS	WALL MOUNTED	FLOOR MOUNTED	DUCTED	CEILING CASSETTE
MXZ-8B140VA	MSZ-SF20/25/35/50VE / MSZ-GF60/71VE MSZ-FH25/35VE / MSZ-EF25/35/50VEB/S/W	MFZ-KA25/35VA	SEZ-KD25/35/50/60/71VAQ PEAD-RP50/60/71JAQ ¹	SLZ-KA25/35/50VAQ PLA-RP35/50/60/71BA / PLA-RP100BA ^{*2}
MXZ-8B160YA	MSZ-SF20/25/35/50VE / MSZ-GF60/71VE MSZ-FH25/35VE / MSZ-EF25/35/50VEB/S/W	MFZ-KA25/35/50VA	SEZ-KD25/35/50/60/71VAQ PEAD-RP50/60/71JAQ ¹	SLZ-KA25/35/50VAQ PLA-RP35/50/60/71BA / PLA-RP100BA ^{*2}

Notes:

*1 Total capacity of indoor units must not exceed 100% if PEAD-RP is used. *2 Can only be connected using a PAC-AK52BC with a PAC-AK52YP pipe.

MXZ-8B-VA - OUTDOOR UNITS		MXZ-8B140VA	MXZ-8B160YA ³
NUMBER OF CONNECTABLE INDOOR UNITS		2 - 8	2 - 8
CAPACITY (kW)	Heating (nominal)	16.0	18.0
	Cooling (nominal)	14.0	15.5
	Heating (UK)	13.3	14.95
	Cooling (UK)	13.9	15.4
COP / EER (nominal)	Outdoor Only	3.91 / 3.52	3.61 / 3.21
ENERGY LABEL	Heating/Cooling	A / A	A / A
MAX AIRFLOW (m³/min)		100	106
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling - Sil-Hi	52 / 47-50	54 / 48-51
DIMENSIONS (mm)	Width x Depth x Height	950 x 330 x 1350	950 x 330 x 1350
WEIGHT (kg)		129	139
ELECTRICAL SUPPLY		220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	3
POWER INPUT (kW)	Heating/Cooling (nominal)	3.90 / 3.79	4.80 / 4.64
	Heating/Cooling (UK)	3.55 / 3.03	4.37 / 3.71
STARTING CURRENT (A)		14	7
RUNNING CURRENT (A) [MAX]	Heating/Cooling	17.05 / 16.55 [29.5]	7.00 / 6.77 [13]
INTERCONNECTING CABLE No. CORES		4 Core	4 Core
TOTAL PIPE LENGTH (m)		115	115
MAX PIPE LENGTH PER INDOOR UNIT (m)		15 (from Branch Box)	15 (from Branch Box)
FURTHEST PIPE LENGTH - Outdoor to Indoor (m)		70	70
MAX HEIGHT DIFFERENCE - Outdoor to Indoor (m)		30 (20 if OU lower than IU)	30 (20 if OU lower than IU)
MAX HEIGHT DIFFERENCE - Indoor to Indoor (m)		12	12
CHARGE R410A (kg) - 40m		8.5	8.5
FUSE RATING (BS88) – HRC (A)		40	25

PAC-AK31BC - Branch Box	PAC-AK31BC
NUMBER OF CONNECTABLE INDOOR UNITS	1 - 3
POWER SUPPLY TO BRANCH BOX	From Outdoor Unit
POWER SUPPLY TO INDOOR UNITS	From Branch Box
PIPE SIZE mm (in) Main Outdoor Side - Gas	15.88 (5/8")
PIPE SIZE mm (in) Main Outdoor Side - Liquid	9.52 (3/8")
MAX PIPE LENGTH - Outdoor Unit to Branch Box (m)	55
TOTAL PIPE LENGTH - Branch Boxes to Indoor Unit (m)	60
MAX HEIGHT DIFFERENCE - Outdoor Unit to Branch Box (m)	30
MAX HEIGHT DIFFERENCE - Branch Box to Indoor Unit (m)	15
DIMENSIONS (mm) Width x Depth x Height	450 x 280 x 198

PAC-AK52BC - Branch Box	PAC-AK52BC
NUMBER OF CONNECTABLE INDOOR UNITS	1 - 5
POWER SUPPLY TO BRANCH BOX	From Outdoor Unit
POWER SUPPLY TO INDOOR UNITS	From Branch Box
PIPE SIZE mm (in) Main Outdoor Side - Gas	15.88 (5/8")
PIPE SIZE mm (in) Main Outdoor Side - Liquid	9.52 (3/8")
MAX PIPE LENGTH - Outdoor Unit to Branch Box (m)	55
TOTAL PIPE LENGTH - Branch Boxes to Indoor Unit (m)	60
MAX HEIGHT DIFFERENCE - Outdoor Unit to Branch Box (m)	30
MAX HEIGHT DIFFERENCE - Branch Box to Indoor Unit (m)	15
DIMENSIONS (mm) Width x Depth x Height	450 x 280 x 198