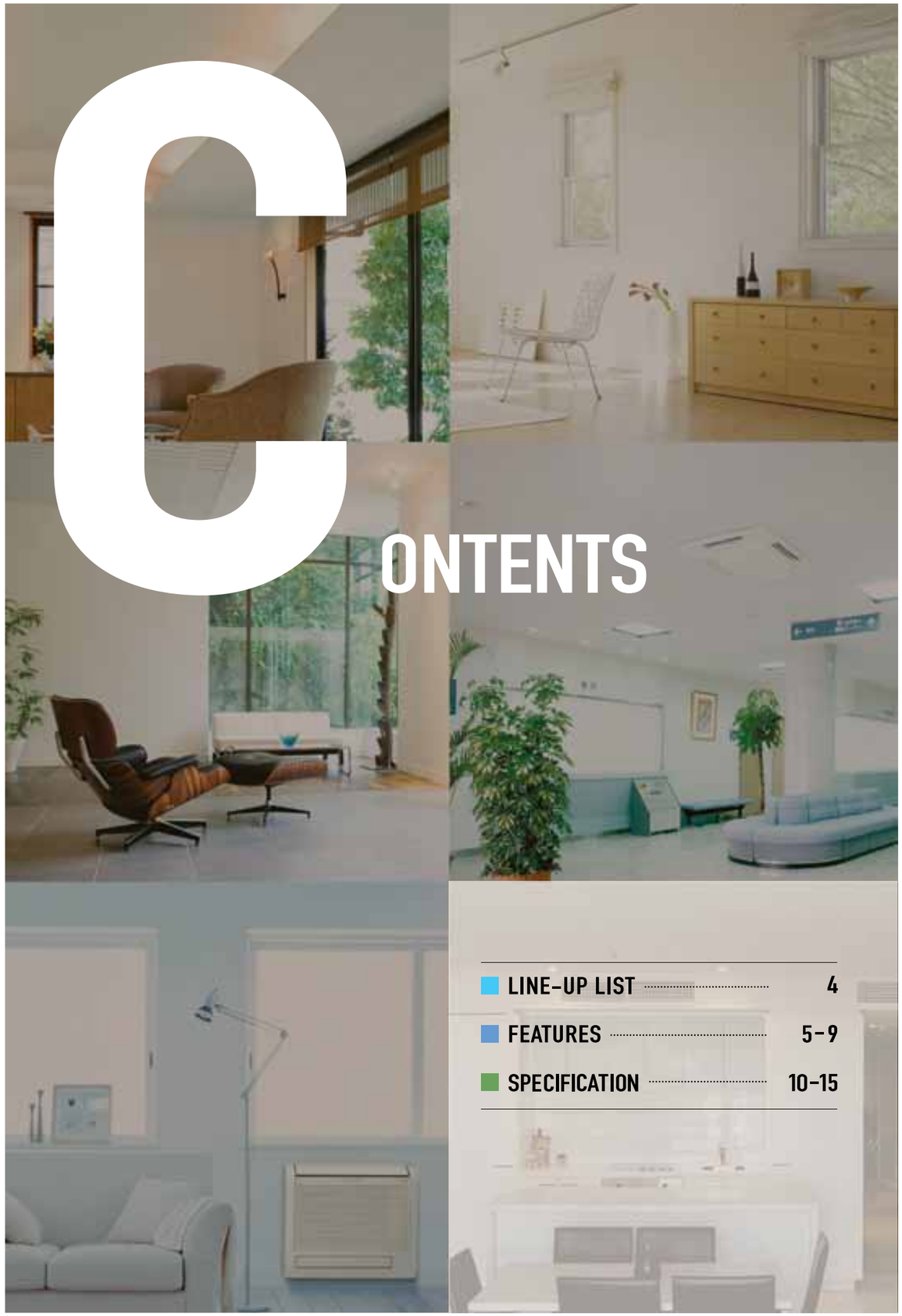


CONTENTS

Selection

Choose indoor units and outdoor units that can run up to eight indoor units each.
Create the system that best matches room shapes and number of rooms.

STEP 1 SELECT INDOOR UNITS

Select the indoor unit to be installed in each room.

Wall-mounted

Ceiling-concealed

STEP 2 SELECT OUTDOOR UNITS

Select the best outdoor unit based on the number of indoor units and overall system capacity required.

4-port Connect up to 4 indoor units

MXZ-4A71NA

MXZ-4A80NA

3-port Connect up to 3 indoor units

MXZ-3A54NA

5-port Connect up to 5 indoor units

MXZ-5A100NA

8-port Connect up to 8 indoor units

Outdoor Unit

MXZ-8A140VA

Branch Box

PAC-AK30BC

PAC-AK50BC

Connection to indoor units requires an appropriate branch box (distribution piping is required when connecting two branch boxes).

STEP 3 CHECK SYSTEM COMPATIBILITY

Possible combinations depends on the outdoor unit chosen. Please check the following points.

Please refer to “Indoor/Outdoor Correspondence Table” in Service Manual (Outdoor) to check if the capacity combinations of the indoor unit selected is connectable. (Combinations not listed cannot be connected.)

If the combination you want to use cannot be found, please change either the indoor unit or outdoor unit so that the combination matches one of those shown in the tables.

INVERTER Models (Cooling and Heating)

Wall-mounted	Function	Refrigerant	Connecting	CLASS 07	09	12	15	17	24	26	Page
MSZ-GC22/25/35NA 	COOLING HEATING	R410A	Single & Multi system	● (MXZ connection only)	●	●					10
MSZ-GC50NA 	COOLING HEATING	R410A	Single & Multi system					●			10
MSZ-GC60/71NA	COOLING HEATING	R410A	Single & Multi system						●	●	10
Compace Ceiling Concealed											
SEZ-KD25/35/50/60/71VA(L) 	COOLING HEATING	R410A	Multi system		● (MXZ connection only)	● (MXZ connection only)		● (MXZ connection only)	● (MXZ connection only)	● (MXZ connection only)	12

MXZ Series (Multi System)

Model name	Function	Refrigerant	Capacity Class	Wall-mounted	Ceiling-concealed	Page
Up to 8 indoor units MXZ-8A140VA 	COOLING HEATING	R410A	14.0kW <1-phase> (47768 BTU)	MSZ-GC 22/25/35/50/60/71NA	SEZ-KD 25/35/50/60/71VA(L)	13
Up to 5 indoor units MXZ-5A100NA 	COOLING HEATING	R410A	10.0kW <1-phase> (34120 BTU)	MSZ-GC 22/25/35/50/60/71NA	SEZ-KD 25/35/50/60/71VA(L)	13
Up to 4 indoor units MXZ-4A80NA 	COOLING HEATING	R410A	8.0kW <1-phase> (27296 BTU)	MSZ-GC 22/25/35/50/60/71NA	SEZ-KD 25/35/50/60/71VA(L)	13
Up to 4 indoor units MXZ-4A71NA 	COOLING HEATING	R410A	7.1kW <1-phase> (24225 BTU)	MSZ-GC 22/25/35/50/60NA	SEZ-KD 25/35/50/60VA(L)	13
Up to 3 indoor units MXZ-3A54NA 	COOLING HEATING	R410A	5.4kW <1-phase> (18425 BTU)	MSZ-GC 22/25/35/50NA	SEZ-KD 25/35/50VA(L)	13

MXZ Series

Advancements in the MXZ Series include efficiency and flexibility in system expansion capabilities. The best solution when requiring multi-system air conditioning needs.

DC Inverter · R410A · COOLING HEATING · 3A-6A Joint Lap · DC Fan Motor · PAM · Cleaning-free, pipe reuse

3-port MXZ-3A54NA · 4-port MXZ-4A71NA

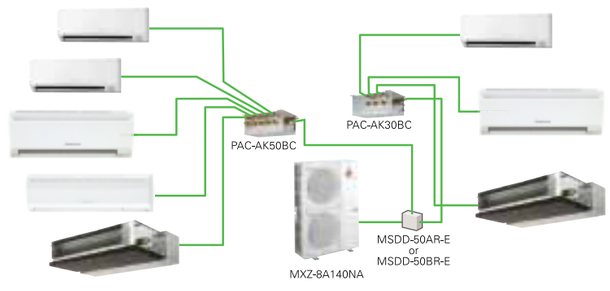
4-port MXZ-4A80NA · 5-port MXZ-5A100NA

8-port MXZ-8A140VA

EXAMPLE SYSTEM

Smaller MXZ 3, 4 and 5 ports
(example of MXZ-4A80NA system)

Power Multi MXZ-8A140VA



Handle Up to 8 Rooms with a Single Outdoor Unit

The MXZ Series offers an 8-system line-up to choose from, ranging between 5.4 and 14.0kW. All of them are compatible with specific M and S series indoor units. A single outdoor unit can handle a wide range of building layouts.

MXZ Series
Inverter Multi

Multi Split System - Inverter Heat Pump

DC Inverter · Joint Lap · Vector Sine Wave · DC Rotary · DC Scroll · Rare Earth Magnet · DC Fan Motor · Vector-Wave · PAM · Power Receiver

Type-Inverter Multi-Split Heat Pump				Up to 3 indoor units	Up to 4 indoor units		Up to 5 indoor units	Up to 8 indoor units
Outdoor unit				MXZ-3A54NA	MXZ-4A71NA	MXZ-4A80NA	MXZ-5A100NA	MXZ-8A140VA
Power supply				220V-230V / 60Hz				
Cooling	Capacity		kW	5.4	7.1	8.0	10.0	14.0
		Min. - Max.	kW	2.6 - 6.8	3.7 - 8.8	3.7 - 9.2	3.7 - 11	
	Capacity		BTU	18,425	24,225	27,296	34,120	47,768
	Input *1)	Rated	kW	3.010				3.790
	COP *1) *2)			1.79	2.36	2.66	3.32	4.10
	Sound level *3)	Outdoor	dB(A)	44 - 46	45 - 48	44 - 46	45 - 51	47 - 50
	Air Volume	CMM (Low-SHi)		42.1			56.6	100
Heating	Capacity		kW	6.8	8.6	9.4	12.0	16.0
		Min. - Max.	kW	2.6 - 9.0	3.4 - 9.0	3.4 - 11.6	3.4 - 14.0	16.0
	Capacity		BTU	23,202	29,343	32,073	40,944	54,592
	Input *1)	Rated	kW	3.010				3.900
	COP *1) *2)			2.26	2.86	3.12	3.99	4.10
	Sound level *3)	Outdoor	dB(A)	47 - 48	48 - 50	48	46 - 54	52
	Air Volume	CMM (Low-SHi)		41.2	46.5	43.8	59.3	100.0
Max. Running Current *1) *2)			A	13.82				
Outdoor	Dimensions	Height	mm	710		900		1350
			In.	27-15/16		35-7/16		53-1/18
		Width	mm	840		900		950
			In.	33-1/16		35-7/16		37-3/8
		Depth	mm	330		320		330
			In.	13		12-5/8		13
	Weight		kg	57	58	67	68	128
			lbs.	126	128	148	150	282
Ext. piping	Diameter	Liquid	mm(In.)	6.35 x 3 (1/4)	6.35 x 4 (1/4)		6.35 x 5 (1/4)	9.52 (3/8)
		Gas	mm(In.)	9.52 x 3 (A,B,D: 3/8)	9.52 x 3 + 12.7 X1 (A,B,C: 3/8, D: 1/2)		9.52 x 4 + 12.7 X1 (A,B,C,D: 3/8, E: 1/2)	15.88 (5/8)
	Max.Length		m (Ft.)	50-25 (164-82)	60-25 (197-82)	70-25 (230-82)	80-25 (262-82)	115-70 (377-230)
	Max.Height		m (Ft.)	15/10 *4) (49/33)				20/30 *5) (65 100)
Guaranteed Operating Range (Outdoor)		Cooling	°C (°F)	-10~43 (14-110)				-5~21 (23-70)
		Heating	°C (°F)	-10~24 (14-75)		-15~24 (5-75)		-10~21 (14-70)

Type				Branch Box	
Model Name				**PAC-AK50BC**	**PAC-AK30BC**
Connectable Number of Indoor Units				Max. 5	Max. 3
Power Supply [V / Phase / Hz , Source]				220V / 60Hz Outdoor power supply	
Total Input			kW	0.003	
Operating Current			A	0.05	
Drain Hose Size *6)			mm	O.D. 20 (VP - 16)	
Dimensions [HxWxD]			mm	198 - 450 - 280	
Weight			kg	9.3	8.1
Piping [diameter]	**Branch** [Indoor side]	Liquid	mm	6.35 x 5	6.35 x 3
		Gas	mm	9.52 x 4, 12.7 x 1	9.52 x 3
	Main [Outdoor side]	Liquid	mm	9.52	
		Gas	mm	15.88	
	Connection Method			Flared	
Wiring	**to Indoor Unit**			3-wire + Earth wire	
	to Outdoor Unit			3-wire + Earth wire	

Note:
1) Measured under rated operating frequency
2) Electrical data is for only outdoor units
3) These specifications are when all indoor units are operating;
   Test condition - Cooling : Indoor Dry-bulb temperature 27.0°C
   Wet bulb temparature 19.0°C
   Test condition - Cooling :Outdoor Dry-bulb temperature 35.0°C
   Wet bulb temparature 24.°C
   Test condition - Heating : Indoor Dry-bulb temperature 20.0°C
   Wet bulb temparature 15.0°C
   Test condition - Cooling : Outdoor Dry-bulb temperature 7.0°C
   Wet bulb temparature 6.0°C
4) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10m.
5) If the outdoor unit is installed higher than the indoor unit, max. height is increased to 30m.
6) Drain hose is to be locally purchased

Your Life, Our Technology – The Comfort Connection.

As everyone knows, nothing compares to the comfort that nature has to provide. However, thanks to its many technical refinements, Mitsubishi Electric's air conditioners bring you closer to this ideal. Improved EER (Energy Efficiency Ratio) levels significantly reduce energy consumption while extremely quiet operation and the use of the Eco-friendly R410A refrigerant allow our series to create a naturally serene environment in every room of the house.

At the Leading-Edge of Air Conditioning Technology

Technology and quality make the difference.

To create a better product that is friendly to both you and the environment, Mitsubishi Electric now utilises a new type of refrigerant called R410A. With an ozone depletion potential factor of zero, exceptionally non-toxicity, and chemically stable noninflammability, this refrigerant exemplifies the quality that our air conditioners have to offer.

MITSUBISHI ELECTRIC