

MXZ-HA SERIES

Multi-port outdoor units exclusively for MSZ-HR indoor units.



R32

2-port

MXZ-2HA40VF2
MXZ-2HA50VF2



R32

3-port

MXZ-3HA50VF2

Stylish Design with Flat Panel Front

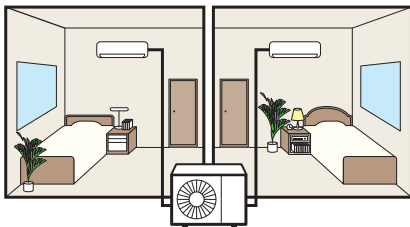
A stylish flat panel design is employed for the front of the indoor unit. The simple look matches room aesthetics.



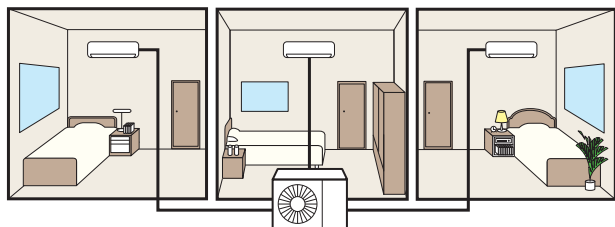
Easy to create various combinations

Wide range of simple combinations only possible using multi-port outdoor units.

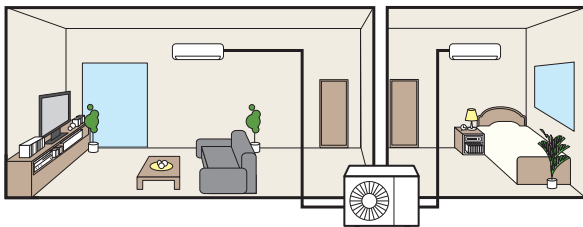
Two bedrooms



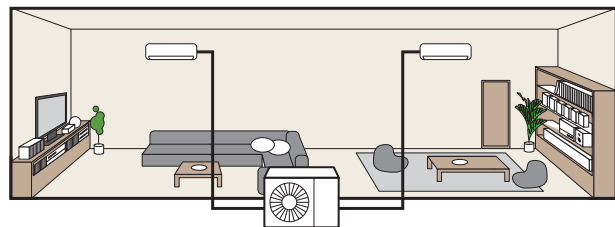
Three bedrooms



Living room and one bedroom



Wide living room



MXZ-HA SERIES

INVERTER MULTI



Type (Inverter Multi - Split Heat Pump)				Up to 2 Indoor Units		Up to 3 Indoor Units	
Indoor Unit				Please refer to*3			
Outdoor Unit				MXZ-2HA40VF2	MXZ-2HA50VF2	MXZ-3HA50VF2	
Refrigerant				R32			
Power Source				Outdoor power supply			
Supply Outdoor (V/Phase/Hz)				220 - 230 - 240V / Single / 50Hz			
Cooling	Capacity	Rated	kW	4.0	5.0	5.0	
		Min-Max	kW	1.1 - 4.3	1.1 - 5.4	2.9 - 6.5	
	Input	Rated	kW	1.05	1.52	1.26	
	Design Load		kW	4.0	5.0	5.0	
	Annual Electricity Consumption*2		kWh/a	172	225	241	
	SEER*1			8.12	7.78	7.26	
				Energy Efficiency Class*3			
				A++			
Heating	Capacity	Rated	kW	4.3	6.0	6.0	
		Min-Max	kW	1.0 - 4.7	1.0 - 6.4	2.6 - 7.5	
	Input	Rated	kW	0.91	1.54	1.30	
	Design Load		kW	3.2	3.2	4.0	
	Declared Capacity	at reference design temperature	kW	2.4	2.4	3.0	
		at bivalent temperature	kW	2.9	2.9	3.6	
	Back Up Heating Capacity	at operation limit temperature	kW	2.1	2.1	2.6	
			kW	0.8	0.8	1.0	
	Annual Electricity Consumption*2		kWh/a	1043	1043	1394	
	SCOP*3			4.30	4.30	4.02	
				Energy Efficiency Class*3			
				A+			
Max. Operating Current (Indoor+Outdoor)				A	12.2	12.2	18.0
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 (+69) - 285 (+59.5)		710 - 840 - 330 (+66)	
	Weight		kg	37	37	57	
	Air Volume	Cooling	m ³ /min	28.4	32.7	31.0	
		Heating	m ³ /min	33.5	34.7	29.1	
	Sound Level (SPL)	Cooling	dB(A)	44	47	46	
		Heating	dB(A)	50	51	50	
	Sound Level (PWL)	Cooling	dB(A)	59	64	61	
	Breaker Size		A	15	15	25	
Ext. Piping	Port Diameter	Liquid	mm	6.35 x 2	6.35 x 2	6.35 x 3	
		Gas	mm	9.52 x 2	9.52 x 2	9.52 x 3	
	Total Piping Length (max)		m	30	30	50	
	Each Indoor Unit Piping Length (max)		m	20	20	25	
	Max. Height		m	15(10)*2	15(10)*2	15(10)*2	
Chargeless Length		m	30		40		
Guaranteed Operating Range (Outdoor)	Cooling	°C		-10 ~ +46			
	Heating	°C		-15 ~ +24			
Chargeless Length			R32/675*4	R32/675*4	R32/675*4		
Pre-Charged Quantity	Weight	Kg	0.9	0.9	1.4		
	CO ₂ equivalent	t	0.61	0.61	0.95		
Max Added Quantity	Weight	Kg	0.9	0.9	1.6		
	CO ₂ equivalent	t	0.61	0.61	1.08		

*1 Energy consumption based on standard test results.
 Actual energy consumption will depend on how the appliance is used and where it is located.
 *2 If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.
 *3 SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
 MXZ-2HA40VF2 → MSZ-HR25VF + MSZ-HR25VF
 MXZ-2HA50VF2 → MSZ-HR25VF + MSZ-HR25VF
 MXZ-3HA50VF2 → MSZ-HR25VF + MSZ-HR25VF + MSZ-HR25VF
 *4 This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition,

To ensure full capacity in cold and snowy regions...

3 Important Points to Remember When Installing the Outdoor Unit



*RAC/PAC (inc. Air to Water) /MXZ

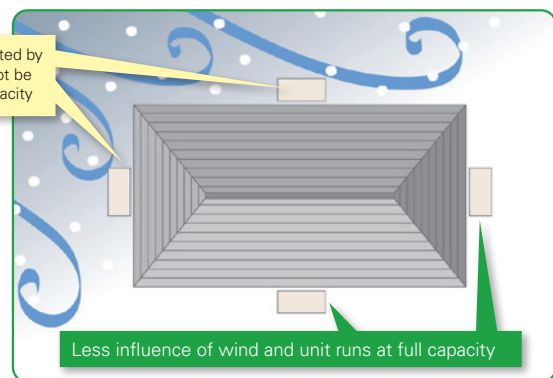
Wind and snow can significantly reduce capacity.

Be sure to check the information below and install the outdoor unit correctly.

1 Installation Location

Be aware of the prevailing wind direction in winter and install the outdoor unit where it is as sheltered as possible.

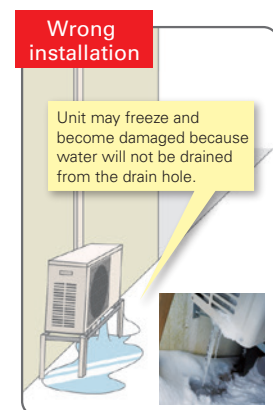
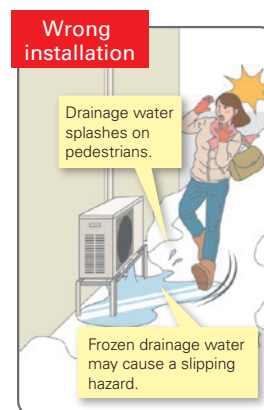
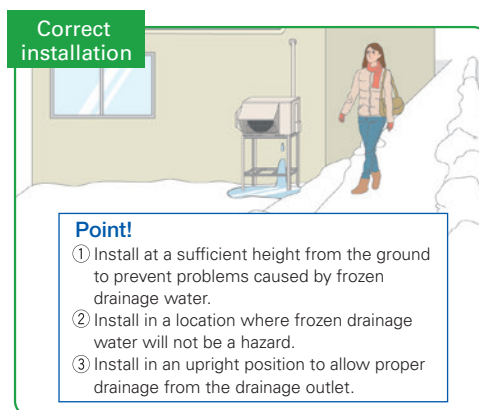
Units are easily affected by wind and unit may not be able to run at full capacity



2 Measures for Drainage of Water

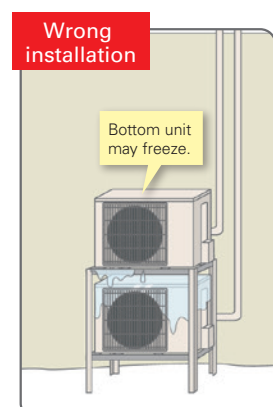
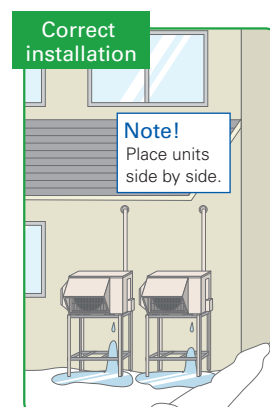
Case 1: Unit is installed close to passage (walkway)

Do not install the unit close to passage as drainage water from the unit may freeze and cause a slipping hazard.



Case 2: Multiple units are installed

Do not install units on top of one another as it may cause frozen drainage water on the bottom unit.



3

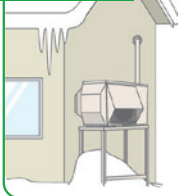
Measures for Snow

Unit is installed on the ground

To avoid the adverse effects of snow and frozen drainage water, install the unit on a stand to ensure a sufficient height from the ground.

[RAC / PAC / MXZ]

Correct installation

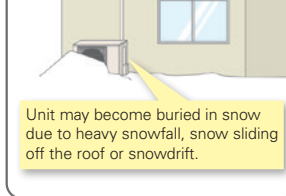


Point!

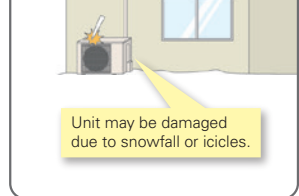
- ① Install at a position/height to prevent the unit being buried in snow*1 and the adverse effects of frozen drainage water.*2
- ② Install so as to avoid the effects of snow or snowdrift.
- ③ Install so as to avoid the damage from falling snow or icicles.

*1 Install at a height above the highest snowfall depth.
*2 Even for correct installations, dripping drainage water may form an icicle which needs to be cleared away regularly to prevent a blocked drainage outlet.

Wrong installation



Wrong installation



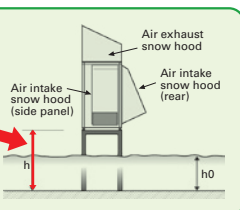
Use a stand to add sufficient height to protect the unit heat exchanger from snow and prevent icicles forming during defrost operation.

Install snow protection hood as necessary

[RAC / PAC / MXZ]

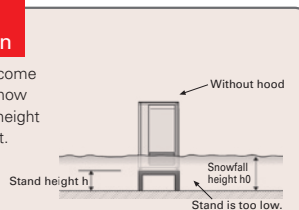
Correct installation

Minimum height (h) should be higher than the highest snowfall depth (h0) **+20cm**

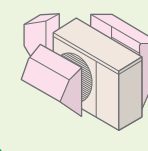


Wrong installation

Unit may become covered in snow if the stand height is insufficient.




Correct installation



Point!

Install the snow protection hood or other cover in snowy regions.

Necessity of accessories (drain socket & centralised drain pan, stand, snow protection hood, base heater)

	Snowy region	Cold region	Remarks
	Countermeasures for snow	Countermeasures for freezing	
Drain socket, Centralised drain pan	Not used	Not used	Prevents freezing
Stand	Needed	Needed	[RAC / PAC / MXZ] 1. Install so as to prevent the unit being buried in snow (at a height greater than the highest snowfall depth). Be sure that the stand does not obstruct drainage. 2. Install so as to prevent damage to the unit due to frozen drainage water (icicles). 
Snow protection hood	Needed *When the installation position is subject to snowfall.	—	1. Prevents heat exchanger from being covered in snow. 2. Prevents snow accumulating inside the air duct.
Base heater	—	Needed	[RAC / PAC / MXZ] Outdoor units equipped with a heater for cold regions are those with an "H" in the model name. For the cold-climate zone, use of a unit with a heater is strongly recommended. Even for the moderate-climate zone use of a unit with a heater is recommended for regions subject to high humidity in winter.

About disposal of drainage water

CAUTION

When the unit is installed in cold or snowy regions :

Drainage water may freeze in the drain socket/hose and prevent the fan from rotating.



Do not attach a drain socket packaged as an accessory to the unit.

* In the case that fitting a drain socket is absolutely necessary, steps must be taken so that the drainage water does not freeze.
For more information, please consult Mitsubishi Electric or one of its dealers/resellers.

Arrangement for snow protection hood

[RAC / PAC / MXZ]

Separately sold parts are available for some models.

Please consult Mitsubishi Electric or one of its dealers/resellers at the time of purchase for details.

Indoor Unit Compatibility Table

■ MXZ Series **R32**

Possible combinations of outdoor units and indoor units are shown below.

Indoor Unit		Outdoor Unit	Inverter Models Heat Pump Type															
			MXZ ⁻¹ 2F33VF4	MXZ ⁻¹ 2F42VF4	MXZ ⁻¹ 2F53VF(H)4	MXZ ⁻¹ 2F53VFH2	MXZ ⁻¹ 3F54VF4	MXZ ⁻¹ 3F68VF4	MXZ ⁻¹ 4F72VF4	MXZ ⁻¹ 4F80VF4	MXZ ⁻ 4F83VF2	MXZ ⁻ 4F83VFH2	MXZ ⁻ 5F102VF2	MXZ ⁻ 6F120VF2	MXZ ⁻¹ 2HA40VF2	MXZ ⁻¹ 2HA50VF2	MXZ ⁻¹ 3HA50VF2	
M series	Wall-Mounted	MSZ-RW25VG	●	●	●	●	●	●	●	●	●	●	●	●				
		MSZ-RW35VG		●	●	●	●	●	●	●	●	●	●	●				
		MSZ-RW50VG					●	●	●	●	●	●	●	●				
		MSZ-LN18VG2(W)(V)(R)(B)	●	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-LN25VG2(W)(V)(R)(B)	●	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-LN35VG2(W)(V)(R)(B)		●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-LN50VG2(W)(V)(R)(B)					●	●	●	●	●	●	●	●	●			
		MSZ-FT25VG				●						●						
		MSZ-FT35VG				●						●						
		MSZ-FT50VG																
		MSZ-AY15VGK(P)	●	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AY20VGK(P)	●	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AY25VGK(P)	●	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AY35VGK(P)		●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AY42VGK(P)			●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AY50VGK(P)			●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AP60VG(K)						●	●	●	●	●	●	●	●			
		MSZ-AP71VG(K)							●	●	●	●	●	●	●			
		MSZ-EF18VG(K)(W)(B)(S)	●	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-EF22VG(K)(W)(B)(S)	●	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-EF25VG(K)(W)(B)(S)	●	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-EF35VG(K)(W)(B)(S)		●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-EF42VG(K)(W)(B)(S)			●	●	●	●	●	●	●	●	●	●	●			
		MSZ-EF50VG(K)(W)(B)(S)			●	●	●	●	●	●	●	●	●	●	●			
	MSZ-BT20VG(K)	●	●	●	●	●	●	●	●	●	●	●	●	●				
	MSZ-BT25VG(K)	●	●	●	●	●	●	●	●	●	●	●	●	●				
	MSZ-BT35VG(K)		●	●	●	●	●	●	●	●	●	●	●	●				
	MSZ-BT50VG(K)																	
	MSZ-HR25VF(K)														●	●	●	
	MSZ-HR35VF(K)														●	●	●	
MSZ-HR42VF(K)														●	●	●		
MSZ-HR50VF(K)																●		
MSZ-HR60VF(K)																		
MSZ-HR71VF(K)																		
MSZ-DW25VF														●	●	●		
MSZ-DW35VF														●	●	●		
MSZ-DW50VF																		
S series	2x2 Cassette	SLZ-M15FA2	●	●	●	●	●	●	●	●	●	●	●	●				
		SLZ-M25FA2	●	●	●	●	●	●	●	●	●	●	●	●				
		SLZ-M35FA2		●	●	●	●	●	●	●	●	●	●	●				
		SLZ-M50FA2					●	●	●	●	●	●	●	●				
		SLZ-M60FA2						●	●	●	●	●	●	●				
	Ceiling-Concealed	SEZ-M25DA2 *2	●	●	●	●	●	●	●	●	●	●	●	●				
		SEZ-M25DAL2 *2	●	●	●	●	●	●	●	●	●	●	●	●				
		SEZ-M35DA2		●	●	●	●	●	●	●	●	●	●	●				
		SEZ-M35DAL2		●	●	●	●	●	●	●	●	●	●	●				
		SEZ-M50DA2					●	●	●	●	●	●	●	●				
		SEZ-M50DAL2					●	●	●	●	●	●	●	●				
		SEZ-M60DA2						●	●	●	●	●	●	●				
		SEZ-M60DAL2						●	●	●	●	●	●	●				
	SEZ-M71DA2							●	●	●	●	●	●	●				
	SEZ-M71DAL2								●	●	●	●	●	●				
Concealed Floor-Standing	SFZ-M25VA	●	●	●	●	●	●	●	●	●	●	●	●					
	SFZ-M35VA		●	●	●	●	●	●	●	●	●	●	●					
	SFZ-M50VA					●	●	●	●	●	●	●	●					
	SFZ-M60VA						●	●	●	●	●	●	●					
	SFZ-M71VA							●	●	●	●	●	●					
P series	Ceiling-Suspended	PCA-M50KA2				●	●	●	●									
		PCA-M60KA2					●	●	●									
		PCA-M71KA2						●	●	●								
	Ceiling-Concealed	PEAD-M35JA2					● *3	● *3	● *3	● *3	● *3	● *3	● *3	● *3				
		PEAD-M35JAL2					● *3	● *3	● *3	● *3	● *3	● *3	● *3	● *3				
		PEAD-M50JA2					● *3	● *3	● *3	● *3	● *3	● *3	● *3	● *3				
		PEAD-M50JAL2					● *3	● *3	● *3	● *3	● *3	● *3	● *3	● *3				
		PEAD-M60JA2								● *3	● *3	● *3	● *3	● *3				
		PEAD-M60JAL2								● *3	● *3	● *3	● *3	● *3				
		PEAD-M71JA2									● *3	● *3	● *3	● *3				
PEAD-M71JAL2									● *3	● *3	● *3	● *3						

*1 MXZ outdoor units are not designed to operate with a single indoor unit with one-to-one piping work. Please install at least two indoor units.

*2 SEZ-M25 cannot be connected with MXZ-2F/3F/4F when total capacity of connected indoor units is equivalent to outdoor capacity (capacity ratio is 1).

*3 Maximum total current of indoor units: 3A or less

*4 P series cannot be connected with MXZ-4F83VFH2 when ampere limit adjustment function is operated.