

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.



R32

2-port

MXZ-2F33VF4
MXZ-2F42VF4
MXZ-2F53VF(H)4



R32

3-port 4-port

MXZ-3F54VF4
MXZ-3F68VF4
MXZ-4F72VF4
MXZ-4F80VF4



R32

4-port 5-port

MXZ-4F83VF2
MXZ-5F102VF2



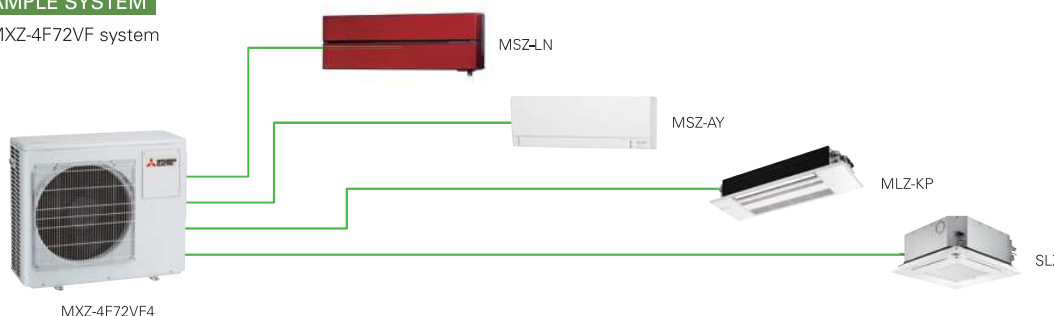
R32

6-port

MXZ-6F120VF2

EXAMPLE SYSTEM

MXZ-4F72VF system



Units can be used even if it is connected to only one indoor unit (4F83/5F102/6F120)

This unit can be used even if it is connected to only one indoor unit. This offers more flexibility for wide range of application that satisfies various customers' demand.

No necessity for refrigerant charging

Depending on the pipe length and the indoor units that are connected, conventional models have required refrigerant charging, but no R32 MXZ model needs to be charged with additional refrigerant. This eliminates troublesome work at the site of installation, and reduces the amount of additional work for the installer.

Handle Up to 6 Rooms with a Single Outdoor Unit

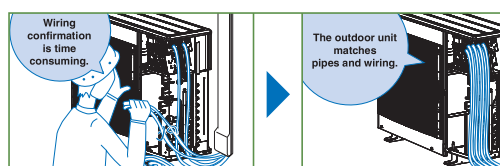
The MXZ Series for R32 offers a ten-system line-up to choose from, ranging between 3.3 and 12.0kW. All of them are compatible with specific M, S and P series indoor units. A single outdoor unit can handle a wide range of building layouts.

Support Functions

Wiring/Piping Correction Function* (3F54/3F68/4F72/4F80/4F83/5F102/6F120)

Simply press a single button to confirm if wiring and piping are properly connected. Wiring errors are corrected automatically when discovered. This eliminates the need to confirm complicated wiring connections when expanding the system. (For details, refer to the outdoor unit installation manual.)

* Function cannot be used when the outdoor temperature is below 0°C.
The correction process requires 10–20 minutes to complete and must be conducted with the unit set to the "Cooling" mode.



Operation Lock

To accommodate specific use applications, cooling or heating operation can be specified when setting the control board of the outdoor unit. A convenient option when a system needs to be configured for exclusive cooling or heating service. (For details, refer to the outdoor unit installation manual.)

Type (Inverter Multi - Split Heat Pump)				Up to 2 Indoor Units				Up to 3 Indoor Units			Up to 4 Indoor Units			Up to 5 Indoor Units
Indoor Unit				Please refer to*3										
Outdoor Unit				MXZ-2F33VF4	MXZ-2F42VF4	MXZ-2F53VF4	MXZ-2F53VFH4	MXZ-3F54VF4	MXZ-3F68VF4	MXZ-4F72VF4	MXZ-4F80VF4	MXZ-4F83VF2	MXZ-5F102VF2	
Refrigerant				R32										
Power Supply	Source	Outdoor power supply												
	Outdoor (V/Phase/Hz)	220 - 230 - 240V / Single / 50Hz												
Cooling	Capacity	Rated	kW	3.3	4.2	5.3	5.3	5.4	6.8	7.2	8.0	8.3	10.2	
	Input	Rated	kW	0.85	0.98	1.40	1.40	1.32	1.84	1.85	2.25	1.97	2.80	
	Design Load		kW	3.3	4.2	5.3	5.3	5.4	6.8	7.2	8.0	8.3	10.2	
	Annual Electricity Consumption*1		kWh/a	189	169	216	216	222	301	311	368	342	436	
	SEER*3			6.1	8.7	8.6	8.6	8.5	7.9	8.1	7.6	8.5	8.2	
Heating	Energy Efficiency Class*3			A++	A+++	A+++	A+++	A+++	A++	A++	A++	A+++	A++	
	Capacity	Rated	kW	4.0	4.5	6.4	6.4	7.0	8.6	8.6	8.8	9.3	10.5	
	Input	Rated	kW	0.91	0.88	1.56	1.56	1.40	1.91	1.87	2.00	2.00	2.28	
	Design Load		kW	2.7	3.5	3.5	3.5	5.2	6.8	7.0	7.0	7.0	7.4	
	Declared Capacity	at reference design temperature	kW	2.2	2.7	2.7	2.7	4.2	5.7	5.6	5.6	5.8	5.9	
		at bivalent temperature	kW	2.4	2.9	2.9	2.9	4.8	6.4	6.2	6.2	6.2	6.4	
		at operation limit temperature	kW	1.6	2.3	2.3	2.1	3.2	4.6	4.8	4.8	4.9	4.9	
	Back Up Heating Capacity		kW	0.5	0.8	0.8	0.8	1.0	1.1	1.4	1.4	1.2	1.5	
	Annual Electricity Consumption*1		kWh/a	944	1065	1065	1089	1583	2321	2389	2389	2087	2205	
	SCOP*3			4.0	4.6	4.6	4.5	4.6	4.1	4.1	4.1	4.7	4.6	
	Energy Efficiency Class*3			A+	A++	A++	A+	A++	A+	A+	A+	A+	A++	
Max. Operating Current (Indoor+Outdoor)				A	10.0	12.2	12.2	12.2	18.0	18.0	18.0	21.4	21.4	
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 (+69) - 285 (+59.5)				710 - 840 - 330 (+66)				796 - 950 - 330		
	Weight		kg	33	37	37	38	58	58	59	59	62	62	
	Air Volume	Cooling	m³/min	30.8	28.4	32.7	32.7	31	35.4	35.4	40.3	57	63	
		Heating	m³/min	32.3	33.5	34.7	34.7	31	39.6	42.7	44.1	62	75	
	Sound Level (SPL)	Cooling	dB(A)	49	44	46	46	46	48	48	50	49	52	
		Heating	dB(A)	50	50	51	51	50	53	54	55	51	56	
	Sound Level (PWL)	Cooling	dB(A)	60	59	61	61	60	63	63	65	61	65	
		Breaker Size	A	15	15	15	15	25	25	25	25	25	25	25
	Ext. Piping	Port Diameter	Liquid	mm	6.35 x 2	6.35 x 2	6.35 x 2	6.35 x 2	6.35 x 3	6.35 x 3	6.35 x 4	6.35 x 4	6.35 x 4	6.35 x 5
Gas			mm	9.52 x 2	9.52 x 2	9.52 x 2	9.52 x 2	9.52 x 3	9.52 x 3	12.7 x 1+9.52 x 3	12.7 x 1+9.52 x 3	12.7 x 1+9.52 x 3	12.7 x 1+9.52 x 4	
Total Piping Length (max)		m	20	30	30	30	50	60	60	60	70	80		
Each Indoor Unit Piping Length (max)		m	15	20	20	20	25	25	25	25	25	25		
Max. Height		m	10	15 (10) ²	15 (10) ²	15 (10) ²	15 (10) ²	15 (10) ²	15 (10) ²	15 (10) ²	15	15		
Chargeless Length		m	20	30	30	30	50	60	60	60	70	80		
Guaranteed Operating Range [Outdoor]		Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	
Refrigerant/GWP				R32/675 ⁴	R32/675 ⁴	R32/675 ⁴	R32/675 ⁴	R32/675 ⁴	R32/675 ⁴	R32/675 ⁴	R32/675 ⁴	R32/675 ³	R32/675 ³	
Pre-Charged Quantity		Weight	kg	0.8	1.0	1.0	1.0	2.4	2.4	2.4	2.4	2.4	2.4	
		CO ₂ equivalent	t	0.54	0.68	0.68	0.68	1.62	1.62	1.62	1.62	1.62	1.62	
Max Added Quantity		Weight	kg	0.8	1.0	1.0	1.0	2.4	2.4	2.4	2.4	2.4	2.4	
		CO ₂ equivalent	t	0.54	0.68	0.68	0.68	1.62	1.62	1.62	1.62	1.62	1.62	

*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-2F33VF4	MSZ-AP15VG + MSZ-LN18VG2
MXZ-2F42VF4	MSZ-LN18VG2 + MSZ-LN25VG2
MXZ-2F53VF4/VF4H	MSZ-LN18VG2 + MSZ-LN35VG2
MXZ-3F54VF4	MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2
MXZ-3F68VF4	MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2
MXZ-4F72VF4	MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2
MXZ-4F80VF4	MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2
MXZ-4F83VF2	MSZ-LN18VG + MSZ-LN18VG + MSZ-LN25VG + MSZ-LN25VG
MXZ-5F102VF2	MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2

*4 This GWP value is based on Regulation (EU) No 517/2014 from IPCC 4th edition.

Type (Inverter Multi - Split Heat Pump)				Up to 6 Indoor Units	
Indoor Unit				Please refer to*1	
Outdoor Unit				MXZ-6F120VF2	
Refrigerant				R32	
Power Supply	Source	Outdoor power supply			
	Outdoor (V/Phase/Hz)	220 - 230 - 240V / Single / 50Hz			
Cooling	Capacity	Rated	kW	12.0	
	Input	Rated	kW	3.60	
	EER*1				3.33
Heating	Capacity	Rated	kW	14.0	
		Min-Max	kW	3.5 - 16.5	
	Input	Rated	kW	3.31	
	COP*1				4.23
Operating Current (max)			A	29.8	
Outdoor Unit	Dimensions	H × W × D	mm	1048-950-330	
	Weight		kg	87	
	Air Volume	Cooling	m³/min	63	
		Heating	m³/min	77	
	Sound Level (SPL)	Cooling	dB(A)	55	
		Heating	dB(A)	57	
	Sound Level (PWL)	Cooling	dB(A)	69	
		Heating	dB(A)	74	
	Breaker Size		A	32	
Ext. Piping	Diameter	Liquid	mm	6.35 × 6	
		Gas	mm	12.7 × 1 + 9.52 × 5	
	Total Piping Length (max)		m	80	
	Each Indoor Unit Piping Length (max)		m	25	
	Max. Height		m	15	
Chargeless Length		m	80		
Guaranteed Operating Range [Outdoor]	Cooling	°C	-10 ~ +46		
	Heating	°C	-15 ~ +24		
Refrigerant/GWP				R32/675*2	
Pre-Charged Quantity	Weight	kg	2.4		
	CO ₂ equivalent	t	1.62		
Max Added Quantity	Weight	kg	2.4		
	CO ₂ equivalent	t	1.62		

*1 EER/COP values and energy efficiency class are measured when connected to the indoor units listed below.

MXZ-6F120VF2

[EER/COP] MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2

*2 This GWP value is based on Regulation (EU) No 517/2014 from IPCC 4th edition.