SELECTION

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

R32 INDOOR UNITS

Wall-mounted


MSZ-LN (18•25•35•50)


MSZ-EF

MSZ-AY25-50

MSZ-AY15-20


MSZ-AP60VG


MSZ-BT

Cassette


SLZ


MLZ-KP


MLZ-KY

Floor-standing


MFZ-KT


SFZ

Ceiling-suspended


PCA

Ceiling-concealed


SEZ


PEAD

R32 OUTDOOR UNITS

2-port
up to 2 indoor units


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

3-port
up to 3 indoor units


MXZ-3F54VF4
MXZ-3F68VF4

4-port
up to 4 indoor units


MXZ-4F72VF4
MXZ-4F80VF4


MXZ-4F83VF2

5-port
up to 5 indoor units


MXZ-5F102VF2

6-port
up to 6 indoor units


MXZ-6F120VF2

Hyper Heating


MXZ-2F53VFHZ2


MXZ-4F83VFHZ2

CHECK SYSTEM COMPATIBILITY

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

Check Indoor Units	Refer to the "Indoor Unit Compatibility Table" to check if the indoor units selected can be used with the outdoor unit selected. (Indoor units not listed in the table cannot be used.)
Check Indoor Unit Capacity Combination	Refer to the "Combination Table" to check if the capacity combination of the indoor unit selected is connectable. (Combinations not listed cannot be connected.)

If the desired combination cannot be found, please change either the indoor or outdoor unit to match one of the combinations shown in the tables.

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

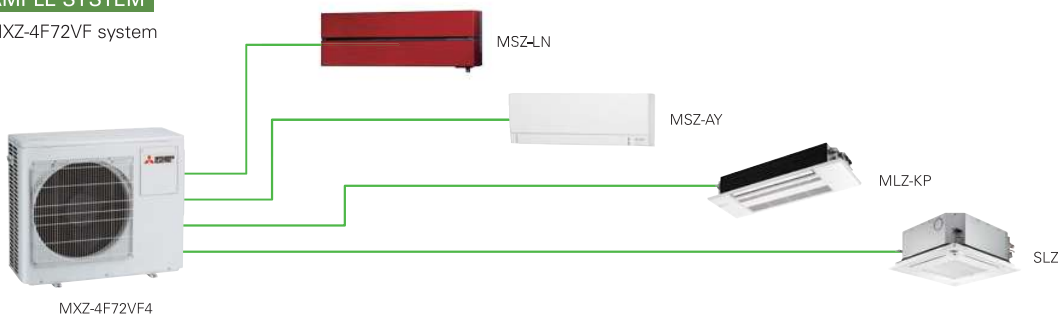
R32

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

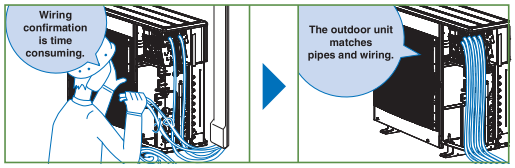
The MXZ Series for R32 offers a ten-system line-up to choose from, ranging between 3.3 and 12.0kW. All of them are compatible with specific M, S and P series indoor units. A single outdoor unit can handle a wide range of building layouts.

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.)

MXZ SERIES
INVERTER MULTI

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
		Energy Efficiency Class*3			A++	A+++	A+++	A+++	A+++	A++	A++	A++	A+++	A++
Heating	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	4.7
		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	18.0	21.4	21.4
Outdoor Unit	Dimensions	H × W × 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
Ext. Piping	Port Diameter	Liquid		mm	6.35 × 2	6.35 × 2	6.35 × 2	6.35 × 2	6.35 × 3	6.35 × 3	6.35 × 4	6.35 × 4	6.35 × 4	6.35 × 5
		Gas		mm	9.52 × 2	9.52 × 2	9.52 × 2	9.52 × 2	9.52 × 3	9.52 × 3	12.7 × 1+9.52 × 3	12.7 × 1+9.52 × 3	12.7 × 1+9.52 × 3	12.7 × 1+9.52 × 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		℃	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating		℃	-15 ~ +24	-15 ~ +24	-15 ~ +24	-20 ~ +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

Type (Inverter Multi - Split Heat Pump)					Up to 6 Indoor Units
Indoor Unit					Please refer to*3
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
	Design Load			kW	12.0
	Annual Electricity Consumption*1			kWh/a	612
	SEER*3				6.86
		Energy Efficiency Class*3			A++
Heating	Capacity	Rated		kW	14.0
	Input	Rated		kW	3.31
	Design Load			kW	8.1
	Declared Capacity	at reference design temperature		kW	6.9
		at bivalent temperature		kW	7.6
		at operation limit temperature		kW	5.7
	Back Up Heating Capacity			kW	1.2
	Annual Electricity Consumption*1			kWh/a	2794
	SCOP*3				4.06
		Energy Efficiency Class*3			A+
Max. Operating Current (Indoor+Outdoor)				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
	Breaker Size			A	32
Ext. Piping	Port 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		℃	-10 ~ +46
		Heating		℃	-15 ~ +24
Refrigerant/GWP					R32/675*4
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 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 connectedto the indoor units listed below.

MXZ-2F33VF4	MSZ-AY15VGK(P) + MSZ-LN18VG2
MXZ-2F42VF4	MSZ-LN18VG2 + MSZ-LN25VG2
MXZ-2F53VF4/VFH4	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
MXZ-6F120VF2	MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2

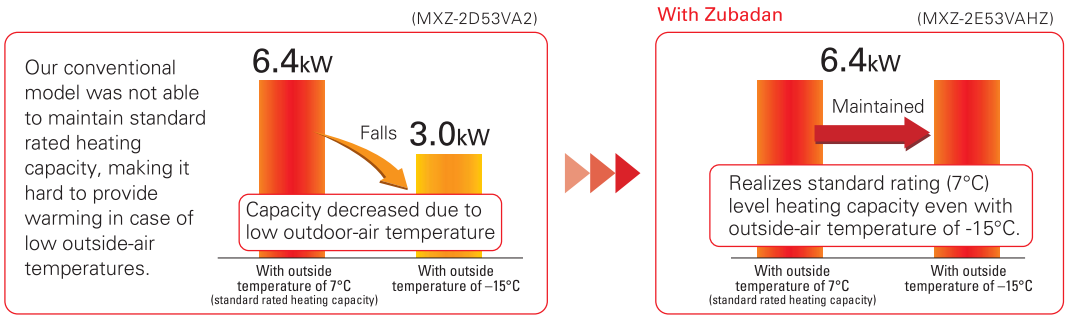
*4 This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition.

MXZ-VFHZ SERIES

New hyper-heating MXZ allows you to create an oasis of comfort throughout your home and office in the rooms you use most, any time of the year.

Standard rated heating capacity is maintained even when the outside-air temperature drops to –15°C.

Maintains high capacity output even when outside-air temperature is low.



Can operate at outside-air temperature of –25°C

1. Incorporated key parts resistant to cold of up to –25°C after rigorous selection.
2. Printed circuit board-core of the air conditioner—is coated on both sides to protect it in harsh environments.

Equipped Freeze-prevention heater as standard

Prevents capacity loss and operation from stopping due to drain water freezing.

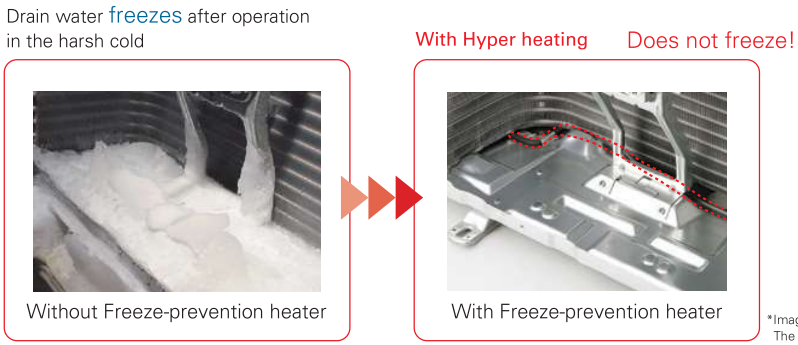
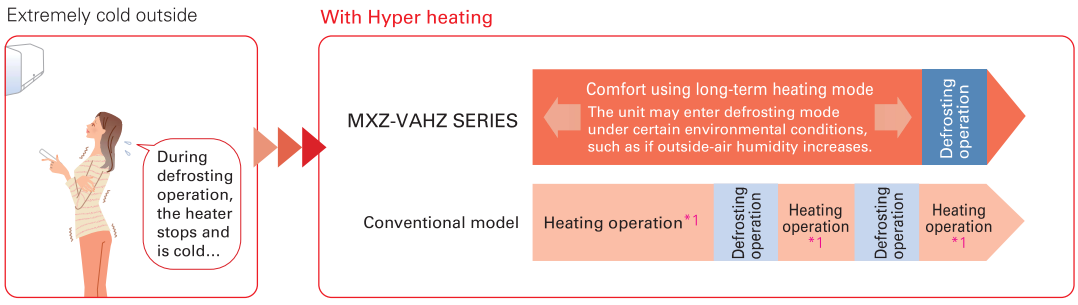


*Image is for illustration purposes.
The actual performance depends on outdoor temperature.

Continuous heating for long periods

Wasteful defrosting operation suppressed to enable more comfortable long-term continuous heating.



*1: Conventional model performs continuous heating approximately 30min up to a maximum of 90min.