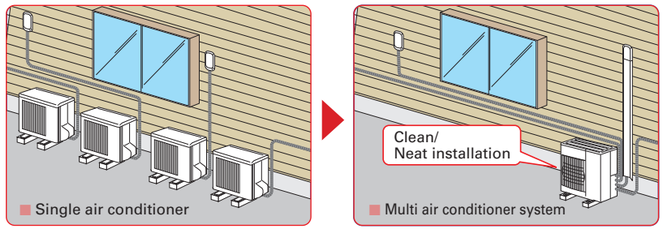
One outdoor unit supports multiple indoor units.

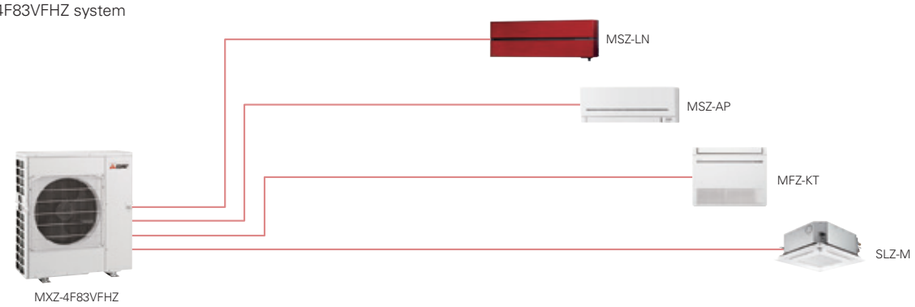
With MXZ-VAHZ, one outdoor unit can cool and heat up to six rooms. They can be installed neatly in sites with limited space such as condominium balconies.

*Please note that cooling and heating modes cannot be run simultaneously in different rooms.



EXAMPLE SYSTEM

MXZ-4F83VFHZ system



Freedom of combinations in cold region greatly enhanced

The variety of indoor unit connection options in cold regions, restricted until now, has been greatly increased.
Increased design freedom.

OUTDOOR UNITS

2-room use

MXZ-2F53VFHZ

4-room use

MXZ-4F83VFHZ

INDOOR UNITS

Wall-mounted

MSZ-LN
MSZ-AP
MSZ-FH
MSZ-SF
MSZ-EF
MSZ-GF
MSZ-FT

Floor-standing

MFZ-KT
MFZ-KJ

Cassette

SLZ
MLZ-KP
PLA *1

Ceiling-suspended

PCA *1

Ceiling-concealed

SEZ
PEAD *1

*1: P series cannot be connect with MXZ-4E83VAHZ when ampere limit adjustment function is operated.

MXZ-VAHZ SERIES

Outdoor Unit

MXZ-2F53VFHZ

MXZ-4F83VFHZ

Type				Inverter Heat Pump			
Indoor Unit				Please refer to*4 *5			
Outdoor Unit				MXZ-2F53VFHZ	MXZ-4F83VFHZ	MXZ-2E53VAHZ	MXZ-4E83VAHZ
Refrigerant				R32*6		R410A*1	
Power Supply	Source			Outdoor power supply			
	Outdoor (V/Phase/Hz)			220 - 230 - 240V / Single / 50			
Cooling	Capacity	Rated	kW	5.3	8.3	5.3	8.3
		Min - Max	kW	1.1 - 6.0	3.5 - 9.2	1.1 - 6.0	3.5 - 9.2
	Total Input	Rated	kW	1.29	1.90	1.29	2.25
	Design Load		kW	5.3	8.3	5.3	8.3
	Annual Electricity Consumption*2		kWh/a	274	398	282	447
	SEER*4, *7			6.8	7.3	6.5	6.5
		Energy Efficiency Class*4		A++	A++	A++	A++
Heating (Average Season)	Capacity	Rated (7°C)	kW	6.4	9.0	6.4	9.0
		Rated (–7°C)	kW	6.4	9.0	6.4	9.0
		Rated (–15°C)	kW	6.4	9.0	6.4	9.0
		Min - Max	kW	1.0 - 7.0	3.5 - 11.6	1.0 - 7.0	3.5 - 11.6
	Total Input	Rated	kW	1.36	1.70	1.36	1.90
	Design Load		kW	6.4	10.1	6.4	10.1
	Declared Capacity	at reference design temperature	kW	6.9	10.6	6.4	9.0
		at bivalent temperature	kW	7.4	11.5	6.4	9.0
		at operation limit temperature	kW	4.1	5.7	2.4	2.5
	Back Up Heating Capacity		kW	0.0	0.0	0.0	1.1
	Annual Electricity Consumption*2		kWh/a	2172	3286	2165	3446
	SCOP*7			4.1	4.3	4.1	4.1
		Energy Efficiency Class*4		A+	A+	A+	A+
Max. Operating Current (Indoor+Outdoor)			A	15.6	28.0	15.6	28.0
Outdoor Unit	Dimensions	H × W × D	mm	796 × 950 × 330	1048 × 950 × 330	796 × 950 × 330	1048 × 950 × 330
	Weight		kg	61	86	61	87
	Air Volume	Cooling	m³/min	43	63	47.0	63.0
		Heating	m³/min	41	77	47.0	77.0
	Sound Level (SPL)	Cooling	dB(A)	45	55	45	53
		Heating	dB(A)	47	57	47	57
	Sound Level (PWL)	Cooling	dB(A)	55	66	55	66
	Breaker Size		A	16	30	16	30
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 × 2 / 9.52 × 2	6.35× 4 / 12.7 × 1+9.52 × 3	6.35 × 2 / 9.52 × 2	6.35× 4 / 12.7 × 1+9.52 × 3
	Total Piping Length (max)		m	30	70	30	70
	Each Indoor Unit Piping Length (max)		m	20	25	20	25
	Max. Height		m	15	15	15 (10) *3	15 (10) *3
	Chargeless Length		m	30	70	20	25
Guaranteed Operating Range [Outdoor]		Cooling	°C	–10 ~ +46	–10 ~ +46	–10 ~ +46	–10 ~ +46
		Heating	°C	–25 ~ +24	–25 ~ +24	–25 ~ +24	–25 ~ +24

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 2088. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 2088 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
*2 Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.
*3 If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10m.
*4 EER/COP, EEL rank, SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-2F53VFHZ MSZ-LN18VG2 + MSZ-LN35VG2
MXZ-4F83VFHZ MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2
MXZ-2E53VAHZ MSZ-EF18VE + MSZ-EF35VE
MXZ-4E83VAHZ MSZ-EF18VE + MSZ-EF18VE + MSZ-EF22VE + MSZ-EF25VE
*5 Indoor unit compatibility table is shown on page 115-116.
*6 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO_2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
The GWP of R32 is 675 in the IPCC 4th Assessment Report.
*7 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.