MULTI SPLIT SERIES

SELECTION

Choose from five types of indoor units and ten outdoor units that can run up to six 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


MSZ-FH


MSZ-EF


MSZ-SF (15･20)


MSZ-SF (25-50)


MSZ-GF

Floor-standing


MFZ-KJ

Cassette


SLZ-KA


PLA


MLZ-KA

Ceiling-suspended


PCA

Ceiling-concealed


SEZ-KD


PEAD

STEP 2 SELECT OUTDOOR UNITS

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

2-port Connect up to 2 indoor units


MXZ-2D33VA
MXZ-2D42VA
MXZ-2D53VA(H)

3-port Connect up to 3 indoor units


MXZ-3D54VA2
MXZ-3D68VA

4-port Connect up to 4 indoor units


MXZ-4D72VA


MXZ-4D83VA

5-port Connect up to 5 indoor units


MXZ-5D102VA

6-port Connect up to 6 indoor units


MXZ-6C122VA

STEP 3 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.

2-port

MXZ-2D33VA
MXZ-2D42VA
MXZ-2D53VA(H)

3-port 4-port

MXZ-3D54VA2
MXZ-3D68VA
MXZ-4D72VA

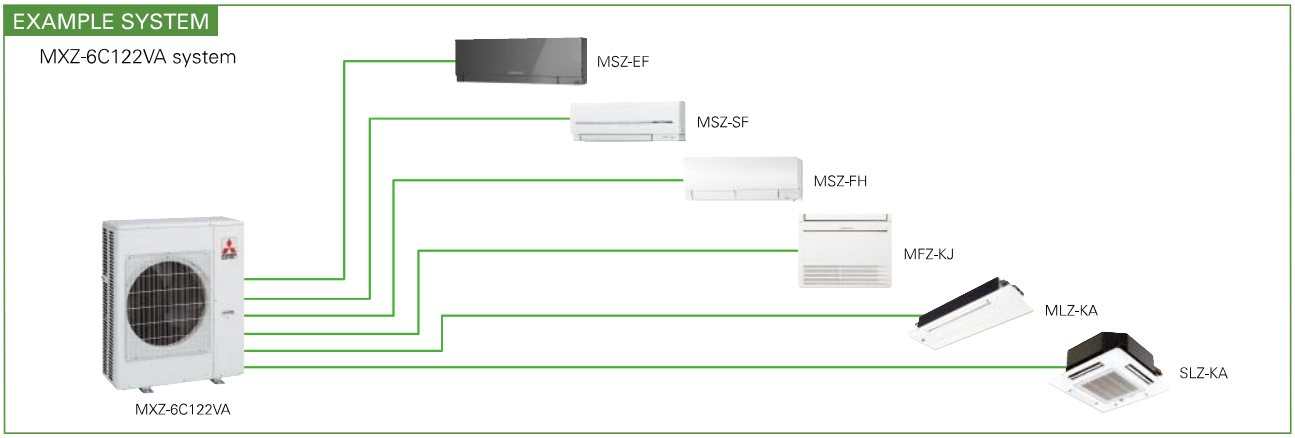
4-port 5-port

MXZ-4D83VA
MXZ-5D102VA

6-port

MXZ-6C122VA

EXAMPLE SYSTEM



Handle Up to 6 Rooms with a Single Outdoor Unit

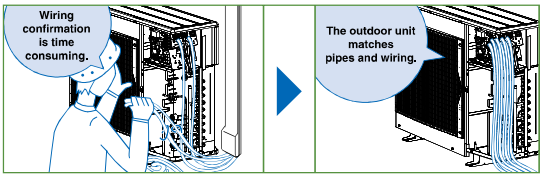
The MXZ Series offers a ten-system line-up to choose from, ranging between 3.3 and 12.2kW. All of them are compatible with specific M, S and P series indoor units. A single outdoor unit can handle a wide range of building layouts.

Support Functions

Wiring/Piping Correction Function* (3D54/3D68/4D72/4D83/5D102/6C122)

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.



Ampere Limit Adjustment* (4D83/5D102/6C122)

Dipswitch settings can be used to adjust the maximum electrical current for operation. This function is highly recommended for managing energy costs. (For details, refer to the outdoor unit installation manual.)

* Maximum capacity is lowered with the use of this function.

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 (*5)								
Outdoor Unit				N: MXZ-2D33VA	N: MXZ-2D42VA	N: MXZ-2D53VA	N: MXZ-2D53VAH	N: MSZ-3D54VA2	N: MXZ-3D68VA	N: MXZ-4D72VA	MXZ-4D83VA	MXZ-5D102VA
Refrigerant				R410A*1								
Power Supply	Source			Outdoor power supply								
	Outdoor (V/Phase/Hz)			230 / Single / 50								
Cooling	Capacity	Rated	kW	3.3	4.2	5.3	5.3	5.4	6.8	7.2	8.3	10.2
		Min - Max	kW	1.1 - 3.8	1.1 - 4.4	1.1 - 5.6	1.1 - 5.6	2.9 - 6.8	2.9 - 8.4	3.7 - 8.8	3.7 - 9.2	3.9 - 11.0
	Input (Indoor+Outdoor)	Rated	kW	0.90	1.00	1.54	1.54	1.35	2.19	2.25	2.83	3.91
	Design Load		kW	3.3	4.2	5.3	5.3	5.4	6.8	7.2	8.3	10.2
	Annual Electricity Consumption*2		kWh/a	211	219	262	262	295	425	443	560	678
	SEER*5			5.5	6.7	7.1	7.1	6.4	5.6	5.7	5.2	5.3
		Energy Efficiency Class*5		A	A++	A++	A++	A++	A+	A+	A	A
Heating (Average Season)	Capacity	Rated	kW	4.0	4.5	6.4	6.4	7.0	8.6	8.6	9.0	10.5
		Min - Max	kW	1.0 - 4.1	1.0 - 4.8	1.0 - 7.0	1.0 - 7.0	2.6 - 9.0	2.6 - 10.6	3.4 - 10.7	3.4 - 11.6	4.1 - 14.0
	Input (Indoor+Outdoor)	Rated	kW	0.96	0.93	1.70	1.70	1.59	2.38	2.28	2.42	2.90
	Design Load		kW	2.7	3.2	4.5	4.5	5.0	6.8	7.0	7.1	8.6
	Declared Capacity	at reference design temperature	kW	2.1	2.7	3.7	3.6	4.00	5.4	5.6	5.6	6.9
		at bivalent temperature	kW	2.4	3.0	4.0	4.0	4.49	6.0	6.2	6.2	7.6
		at operation limit temperature	kW	1.7	2.3	3.3	3.0	3.17	4.4	4.7	4.7	5.6
	Back Up Heating Capacity		kW	0.6	0.5	0.8	0.9	1.00	1.4	1.4	1.5	1.7
	Annual Electricity Consumption*2		kWh/a	926	1065	1507	1546	1751	2466	2516	2536	3184
	SCOP*5			4.1	4.2	4.2	4.1	4.0	3.9	3.9	3.9	3.8
		Energy Efficiency Class*5		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	20.4	21.4
Outdoor Unit	Dimensions	H × W × D	mm	550 - 800(+69) - 285(+59.5)				710 - 840(+30) - 330(+66)			915 - 900 - 320(+67)	
	Weight		kg	32	37	37	38	57	57	58	69	70
	Air Volume	Cooling	m^3/min	32.9	27.7	32.9	32.9	42.1	42.1	42.1	42.1	56.6
		Heating	m^3/min	33.7	33.3	33.3	33.3	43.0	43.0	43.0	43.8	59.3
	Sound Level (SPL)	Cooling	dB(A)	49	46	50	50	50	50	50	49	53
		Heating	dB(A)	50	51	53	53	53	53	53	50	55
	Sound Level (PWL)	Cooling	dB(A)	63	60	64	64	64	64	64	64	68
	Breaker Size		A	10	15	15	15	25	25	25	25	25
Ext. Piping	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 × 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+9.52×4
	Total Piping Length (max)		m	20	30	30	30	50	60	60	70	80
	Each Indoor Unit Piping Length (max)		m	15	20	20	20	25	25	25	25	25
	Max. Height		m	10	15 (10)*3	15 (10)*3	15 (10)*3	15 (10)*3	15 (10)*3	15 (10)*3	15 (10)*3	15 (10)*3
	Chargeless Length		m	20	20	20	20	40	40	40	40	40
Guaranteed Operating Range [Outdoor]		Cooling	℃	–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

N: Please refer to the NOTE below.

Type (Inverter Multi - Split Heat Pump)				Up to 6 Indoor Units
Indoor Unit				Please refer to (*6)
Outdoor Unit				MXZ-6C122VA
Refrigerant				R410A*1
Power Supply	Source			Outdoor power supply
	Outdoor (V/Phase/Hz)			230 / Single / 50
Cooling	Capacity	Rated	kW	12.2
		Min - Max	kW	3.5 - 13.5
	Input	Rated	kW	4.05
	EER*6			3.01
		EEL Rank		B
Heating	Capacity	Rated	kW	14.0
		Min - Max	kW	3.5 - 16.5
	Input	Rated	kW	3.81
	COP*6			3.67
		EEL Rank		A
Operating Current (max)			A	30.0
Outdoor Unit	Dimensions	H × W × D	mm	1070 -900 -320 (+67)
	Weight		kg	87
	Air Volume	Cooling	m^3/min	59.5
		Heating	m^3/min	69.9
	Sound Level (SPL)	Cooling	dB(A)	55
		Heating	dB(A)	57
	Sound Level (PWL)	Cooling	dB(A)	69
	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 (10)*3
	Chargeless Length		m	60
Guaranteed Operating Range [Outdoor]		Cooling	℃	–10 ~ +46
		Heating	℃	–15 ~ +24

NOTE
When connecting the MFZ-KJ series indoor unit(s) to this outdoor unit, charge additional refrigerant according to the instructions in the diagram below.

MXZ-2D33VA

No. of MFZ-KJ indoor units	Pipe length (L)	Maximum amount of refrigerant
	~20m	
1 unit	100g additional (Total 1250g)	1250g
2 units	Not available (Only one MFZ-KJ series indoor unit can be connected.)	

MXZ-2D42VA MXZ-2D53VA MXZ-2D53VAH

No. of MFZ-KJ indoor units	Pipe length (L)		Maximum amount of refrigerant
	~20m	~30m	
1 unit	100g additional (Total 1400g)	100g+{(L-20)m×20g/m)}	1600g
2 units	200g additional (Total 1500g)	200g+{(L-20)m×20g/m)}	1700g

MXZ-3D54VA2

No. of MFZ-KJ indoor units	Pipe length (L)		Maximum amount of refrigerant
	~40m	~50m	
1 unit	100g additional (Total 2800g)	100g+{(L-40)m×20g/m)}	3000g
2 units	200g additional (Total 2900g)	200g+{(L-40)m×20g/m)}	3100g
3 units	300g additional (Total 3000g)	300g+{(L-40)m×20g/m)}	3200g

MXZ-3D68VA MXZ-4D72VA

No. of MFZ-KJ indoor units	Pipe length (L)		Maximum amount of refrigerant
	~40m	~60m	
1 unit	100g additional (Total 2800g)	100g+{(L-40)m×20g/m)}	3200g
2 units	200g additional (Total 2900g)	200g+{(L-40)m×20g/m)}	3300g
3 units	300g additional (Total 3000g)	300g+{(L-40)m×20g/m)}	3400g
4 units*	400g additional (Total 3100g)	400g+{(L-40)m×20g/m)}	3500g

*MXZ-4D72VA only

*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 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 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 If the outdoor unit is installed higher than the indoor unit, max. height is increased to 30m.
*5 EER/COP, EEL rank, SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-2D33VA → MSZ-SF15VA + MSZ-EF18VE
MXZ-2D42VA → MSZ-EF18VE + MSZ-EF25VE
MXZ-2D53VA(H) → MSZ-EF18VE + MSZ-EF35VE
MXZ-3D54VA2 → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF18VE
MXZ-3D68VA → MSZ-EF18VE + MSZ-EF25VE + MSZ-EF25VE
MXZ-4D72VA → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF18VE + MSZ-EF18VE
MXZ-4D83VA → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF22VE + MSZ-EF25VE
MXZ-5D102VA → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF22VE + MSZ-EF22VE + MSZ-EF22VE
*6 EER/COP, EEL rank, values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-6C122VA → MSZ-EF25VA × 6

MXZ-HJ SERIES

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

2-port
MXZ-2HJ40VA

3-port
MXZ-3HJ50VA

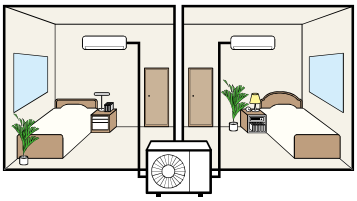
Stylish Design with Flat Panel Front

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

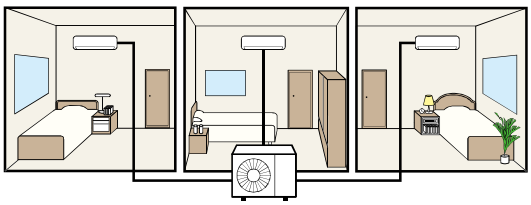
Easy to create various combinations

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

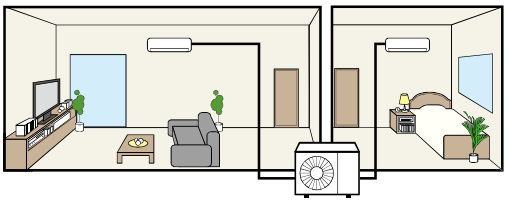
Two bedrooms



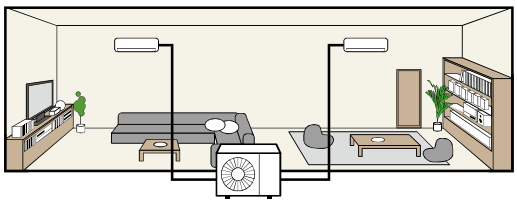
Three bedrooms



Living room and one bedroom

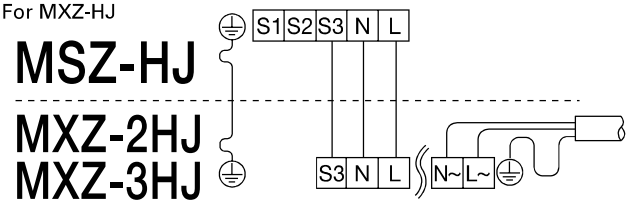


Wide living room

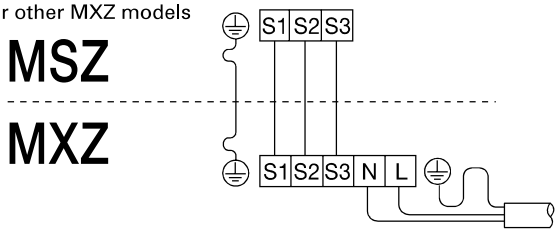


Attention MXZ-HJ is exclusively for connection to MSZ-HJ.
Please check to make sure that wiring is done correctly.

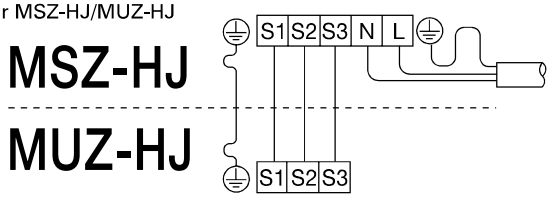
For MXZ-HJ



For other MXZ models



For MSZ-HJ/MUZ-HJ



MXZ-HJ SERIES

INVERTER MULTI

Type (Inverter Multi - Split Heat Pump)					Up to 2 Indoor Units	Up to 3 Indoor Units
Indoor Unit					Please refer to (*4)	
Outdoor Unit					MXZ-2HJ40VA	MXZ-3HJ50VA
Refrigerant					R410A*1	
Power Supply	Source				Outdoor power supply	
	Outdoor (V/Phase/Hz)				230 / Single / 50	
Cooling	Capacity		Rated	kW	4.0	5.0
	Input*4		Rated	kW	1.05	1.13
	EER*4				3.81	4.42
		EEL Rank*4			A	A
	Design Load			kW	4.0	5.0
	Annual Electricity Consumption*2			kWh/a	226	283
	SEER*4				6.1	6.1
		Energy Efficiency Class*4			A++	A++
Heating (Average Season)	Capacity		Rated	kW	4.3	6.0
	Input		Rated	kW	1.16	1.31
	COP*4				3.71	4.58
		EEL Rank*4			A	A
	Design Load			kW	3.2	4.0
	Declared Capacity	at reference design temperature		kW	2.73	3.34
		at bivalent temperature		kW	3.01	3.73
		at operation limit temperature		kW	2.27	2.70
	Back Up Heating Capacity			kW	0.47	0.66
	Annual Electricity Consumption*2			kWh/a	1105	1455
	SCOP*4				4.0	3.8
		Energy Efficiency Class*4			A+	A
Operating Current (max)				A	12.2	18.0
Outdoor Unit	Dimensions		H × W × D	mm	550 - 800 (+69) - 285 (+59.5)	710 - 840 (+30) - 330 (+66)
	Weight			kg	32	57
	Air Volume		Cooling	m^3/min	29.2	40.7
			Heating	m^3/min	27.7	43.0
	Sound Level (SPL)		Cooling	dB(A)	48	50
			Heating	dB(A)	52	53
	Sound Level (PWL)		Cooling	dB(A)	63	64
	Operating Current		Cooling	A	5.1	5.0
			Heating	A	5.6	5.8
	Breaker Size			A	15	25
Ext. Piping	Port Diameter		Liquid / Gas	mm	6.35 × 2 / 9.52 × 2	6.35 × 3 / 9.52 × 3
	Total Piping Length (max)			m	30	50
	Each Indoor Unit Piping Length (max)			m	20	25
	Max. Height			m	15 (10)*3	15 (10)*3
	Chargeless Length			m	20	40
Guaranteed Operating Range (Outdoor)			Cooling	℃	+15 ~ +46	
			Heating	℃	–15 ~ +24	

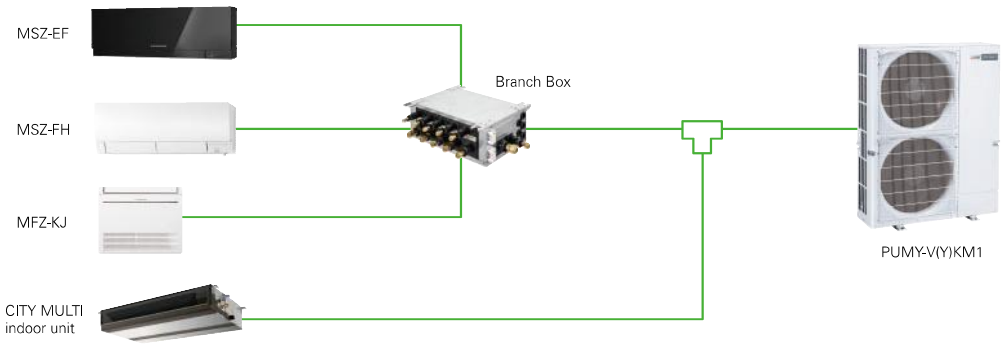
*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 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 hight 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-2HJ40VA MSZ-HJ25VA + MSZ-HJ25VA
MXZ-3HJ50VA MSZ-HJ25VA + MSZ-HJ25VA + MSZ-HJ25VA

PUMY SERIES

Air conditioning system supports replacement work by simplifying the installation process. Ideal for supporting renewal needs at small offices and stores, home offices, etc.

PUMY-P112/125/140VKM1
PUMY-P112/125/140YKM1

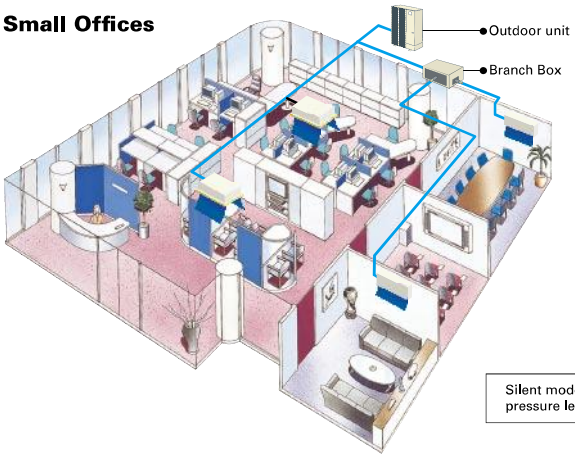
EXAMPLE SYSTEM



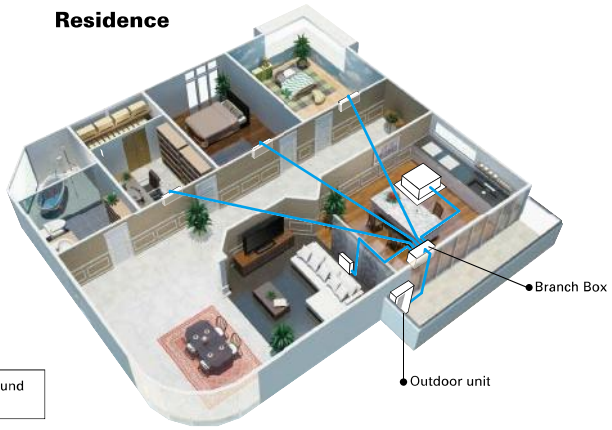
The two-pipe zoned system designed for Heat Pump Operation

PUMY series make use of a two-pipe refrigerant system, which allows for system changeover from cooling to heating, ensuring that a constant indoor climate is maintained in all zones. The compact outdoor unit utilizes R410A refrigerant and an INVERTER-driven compressor to use energy effectively.
With a wide range of indoor unit line-up in connection with a flexible piping system, PUMY series can be configured for all applications. Up to 12 indoor units can be connected with up to 130% connected capacity to maximize engineer's design options. This feature allows easy air conditioning in each area with convenient individual controllers.

Small Offices



Residence

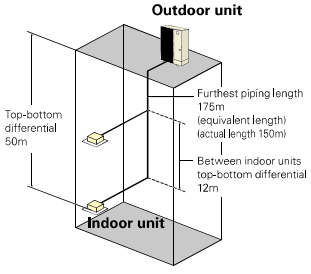


Silent mode can reduce sound pressure level by 3dB(A)

[P112–140V/YKM1]

Refrigerant Piping Lengths	Maximum meters
Total length	300
Maximum allowable length	150 (175 equivalent)
Farthest indoor from first branch	30

Vertical differentials between units	Maximum meters
Indoor/outdoor (outdoor higher)	50
Indoor/outdoor (outdoor lower)	40
Indoor/indoor	12



PUMY SERIES
INVERTER MULTI

Model				PUMY-P112VKM1	PUMY-P125VKM1	PUMY-P140VKM1	PUMY-P112YKM1	PUMY-P125YKM1	PUMY-P140YKM1
Power Source				1-phase 220 - 240V 50Hz			3-phase 380 - 415V 50Hz		
Cooling Capacity (nominal)	*1		kW	12.5	14.0	15.5	12.5	14.0	15.5
	Power Input		kW	2.79	3.46	4.52	2.79	3.46	4.52
	Current Input		A	12.87 - 12.32 - 11.80	15.97 - 15.27 - 14.64	20.86 - 19.95 - 19.12	4.46 - 4.24 - 4.09	5.53 - 5.26 - 5.07	7.23 - 6.87 - 6.62
	EER		kW/kW	4.48	4.05	3.43	4.48	4.05	3.43
Temp. Range of Cooling*5	Indoor Temp.		W.B.	15.0 - 24.0°C	15.0 - 24.0°C	15.0 - 24.0°C	15.0 - 24.0°C	15.0 - 24.0°C	15.0 - 24.0°C
	Outdoor Temp.		D.B.	-5.0 - 46°C	-5.0 - 46°C	-5.0 - 46°C	-5.0 - 46°C	-5.0 - 46°C	-5.0 - 46°C
Heating Capacity (nominal)	*2		kW	14.0	16.0	18.0	14.0	16.0	18.0
	Power Input		kW	3.04	3.74	4.47	3.04	3.74	4.47
	Current Input		A	14.03 - 13.42 - 12.86	17.26 - 16.51 - 15.82	20.63 - 19.73 - 18.91	4.86 - 4.62 - 4.45	5.98 - 5.68 - 5.48	7.15 - 6.79 - 6.55
	COP		kW/kW	4.61	4.28	4.03	4.61	4.28	4.03
Temp. Range of Heating	Indoor Temp.		D.B.	15.0 - 27.0°C	15.0 - 27.0°C	15.0 - 27.0°C	15.0 - 27.0°C	15.0 - 27.0°C	15.0 - 27.0°C
	Outdoor Temp.		W.B.	-20.0 - 15.0°C	-20.0 - 15.0°C	-20.0 - 15.0°C	-20.0 - 15.0°C	-20.0 - 15.0°C	-20.0 - 15.0°C
Indoor Unit Connectable	Total Capacity			50 to 130% of outdoor unit capacity					
	Model / Quantity		City multi	15 - 125/9	15 - 140/10	15 - 140/12	15 - 125/9	15 - 140/10	15 - 140/12
			Branch box	15 - 100/8	15 - 100/8	15 - 100/8	15 - 100/8	15 - 100/8	15 - 100/8
			Mixed system	15 - 125*3/10	15 - 140*3/10*4	15 - 140*3/10*4	15 - 125*3/10	15 - 140*3/10*4	15 - 140*3/10*4
Sound Pressure Level (measured in anechoic room)			dB <A>	49 / 51	50 / 52	51 / 53	49 / 51	50 / 52	51 / 53
Refrigerant Piping Diameter	Liquid Pipe		mm	9.52 Flare					
	Gas Pipe		mm	15.88 Flare					
Fan	Type x Quantity			Propeller Fan x 2					
	Air Flow Rate		m^3/min	110					
			L/s	1,883					
			cfm	3,884					
	Motor Output		kW	0.06 + 0.06					
Compressor	Type x Quantity			Scroll hermetic compressor x 1					
	Starting Method			Inverter					
	Motor Output		kW	2.9	3.5	3.9	2.9	3.5	3.9
External Dimensions (H x W x D)			mm	1,338×1,050×330 (+25)					
Weight			kg	123			125		

*1, *2 Nominal conditions

	Indoor	Outdoor	Piping Length	Level Difference
Cooling	27°C DB / 19°C WB	35°C	7.5m	0m
Heating	20°C DB	7°C DB / 6°C WB	7.5m	0m

*3 Up to P100 when connecting via branch box.
*4 Up to 11 units when connecting via 2 branch boxes
*5 10 to 46°C D.B.: When connecting PKFY-P15/20/25VBM, PFFY-P20/25/32VKM and PFFY-P20/25/32VLE(R)M type indoor unit.

Type				Branch Box	
Model Name				PAC-MK50BC	PAC-MK30BC
Connectable Number of Indoor Units				Max. 5	Max. 3
Power Supply	Source			Outdoor power supply, Branch Box / Outdoor separate power supply	
	Outdoor (V/Phase/Hz)			Single phase, 220/230/240V, 50Hz, Single phase, 220V, 60Hz	
Total Input			kW	0.003	
Operating Current			A	0.05	
Dimensions		H x W x D	mm	170 - 450 - 280	
Weight			kg	7.4	6.7
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	

Indoor Unit Compatibility Table

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

Indoor Unit		Outdoor Unit / Inverter Models Heat pump type	MXZ-2D33VA *4	MXZ-2D42VA *4	MXZ-2D53VA/H *4	MXZ-2HJ40VA	MXZ-3D54VA2 *4	MXZ-3D68VA *4	MXZ-3HJ50VA	MXZ-4D72VA *4	MXZ-4D83VA *4	MXZ-5D102VA *4	MXZ-6C122VA
M series	Wall-Mounted	MSZ-FH25VE	●	●	●		●	●		●	●	●	●
		MSZ-FH35VE		●	●		●	●		●	●	●	●
		MSZ-FH50VE					●	●		●	●	●	●
		MSZ-SF15VA	●	●	●		●	●		●	●	●	●
		MSZ-SF20VA	●	●	●		●	●		●	●	●	●
		MSZ-SF25VE	●	●	●		●	●		●	●	●	●
		MSZ-SF35VE		●	●		●	●		●	●	●	●
		MSZ-SF42VE			●		●	●		●	●	●	●
		MSZ-SF50VE			●		●	●		●	●	●	●
		MSZ-GF60VE						● *2		● *2	● *2	● *2	● *2
		MSZ-GF71VE									● *2	● *2	● *2
		MSZ-EF18VE2W/B/S	●	●	●		●	●		●	●	●	●
		MSZ-EF22VE2W/B/S	●	●	●		●	●		●	●	●	●
		MSZ-EF25VE2W/B/S	●	●	●		●	●		●	●	●	●
		MSZ-EF35VE2W/B/S		●	●		●	●		●	●	●	●
		MSZ-EF42VE2W/B/S			●		●	●		●	●	●	●
		MSZ-EF50VE2W/B/S			●		●	●		●	●	●	●
	Floor-Standing	MFZ-KJ25VE	● *5*6	● *5	● *5		● *5	● *5		● *5	●	●	●
		MFZ-KJ35VE		● *5	● *5		● *5	● *5		● *5	●	●	●
		MFZ-KJ50VE					● *5	● *5		● *5	●	●	●
	1-way Cassette	MLZ-KA25VA	●	●	●		●	●		●	●	●	●
		MLZ-KA35VA		●	●		●	●		●	●	●	●
		MLZ-KA50VA					●	●		●	●	●	●
	Wall-Mounted	MSZ-HJ25VA				●			●				
		MSZ-HJ35VA				●			●				
		MSZ-HJ50VA							●				
S series	4-way Cassette	SLZ-KA25VAQ2	●	●	●		●	●		●	●	●	●
		SLZ-KA25VAL2	●	●	●		●	●		●	●	●	●
		SLZ-KA35VAQ		●	●		●	●		●	●	●	●
		SLZ-KA35VAL		●	●		●	●		●	●	●	●
		SLZ-KA50VAQ					●	●		●	●	●	●
		SLZ-KA50VAL					●	●		●	●	●	●
	Ceiling-Concealed	SEZ-KD25VAQ *3	●	●	●		●	●		●	●	●	●
		SEZ-KD25VAL *3	●	●	●		●	●		●	●	●	●
		SEZ-KD35VAQ		●	●		●	●		●	●	●	●
		SEZ-KD35VAL		●	●		●	●		●	●	●	●
		SEZ-KD50VAQ					●	●		●	●	●	●
		SEZ-KD50VAL					●	●		●	●	●	●
		SEZ-KD60VAQ						●		●	●	●	●
		SEZ-KD60VAL						●		●	●	●	●
		SEZ-KD71VAQ									●	●	●
		SEZ-KD71VAL									●	●	●
P series	4-way Cassette	PLA-RP35BA											
		PLA-RP50BA					●	●		●	●	●	●
		PLA-RP60BA						●		●	●	●	●
		PLA-RP71BA									●	●	●
		PLA-RP100BA											
	Ceiling-Suspended	PCA-RP50KAQ					●	●		●	●	●	●
		PCA-RP60KAQ						●		●	●	●	●
		PCA-RP71KAQ									●	●	●
	Ceiling-Concealed	PEAD-RP50JAQ					● *1	● *1		● *1	● *1	● *1	● *1
		PEAD-RP50JALQ					● *1	● *1		● *1	● *1	● *1	● *1
		PEAD-RP60JAQ									● *1	● *1	● *1
		PEAD-RP60JALQ									● *1	● *1	● *1
		PEAD-RP71JAQ									● *1	● *1	● *1
		PEAD-RP71JALQ									● *1	● *1	● *1
		PEAD-RP100JAQ											
		PEAD-RP100JALQ											

*1 Maximum total current of indoor units: 3A or less.
*2 The combination is still under evaluation.
*3 SEZ-KD25 cannot be connected with MXZ-2D/3D/4D/5D when total capacity of connected indoor units is equivalent to outdoor capacity (capacity ratio is 1).
*4 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.
*5 When connecting the MFZ-KJ Series indoor unit, additional refrigerant is required. For details, please refer to page 98.
*6 Regarding MXZ-2D33, the second unit should be a different type in the case of selecting one MFZ-KJ.

Conditions for specifications

Temperature conditions are based on JIS B8616.

Cooling	Indoor	27°C DB, 19°C WB
	Outdoor	35°C DB, 24°C WB
Heating	Indoor	20°C DB
	Outdoor	7°C DB, 6°C WB

Refrigerant piping length ; 5m
The figures for total input are based on the following voltages.

Series	Indoor unit	Outdoor unit
M Series S Series P Series (except for PEA) MXZ Series POWERFUL HEATING Series	–	VE,VA,VHA,VKA:230V/Single phase/50Hz YA,YHA,YKA:400V/Three phase/50Hz
PEA Series	400V/Three phase/50Hz	400V/Three phase/50Hz

Sound pressure level
• The sound pressure measurement is conducted in an anechoic chamber.
• The actual sound level depends on the distance from the unit and the acoustic environment.

How to read a model name

1) M & S Series

M	M : M Series S : S Series
S	"S"= Wall-mounted , "F"= Compact floor-standing , "E"= Compact ceiling-concealed , "L"= 4- or 1-way cassette , "U"= Outdoor unit
Z	"Z"= Inverter heat pump , "H"= Fixed-speed heat pump , "blank"= Cooling only
–	
F	Series
H	Generation
25	Rated cooling capacity (kW base)
V	230V / Single phase / 50Hz
E	"A"= R410A with new A control , "B"= R410A with conventional control , "E"= R410A with new A control & ErP correspondance
HZ	"HZ"= Hyper Heating model , "H"= Anti-freeze heater equipped model , "S"= Silver indoor unit , "W"= White indoor unit , "B"= Black indoor unit

2) P Series

P	P Series
U	"K"= Wall-mounted , "S"= Floor-standing , "L"= 4-way cassette , "E"= Ceiling-concealed , "C"= Ceiling-suspended , "U"= Outdoor unit
H	"H"= For heating and cooling , "blank"= Cooling only
Z	"Z"= Inverter , "blank"= Fixed-speed
–	
ZRP/RP/P SHW	"ZRP"/"RP"= R410A & cleaning-free pipe reuse , "P"=R410A "SH"= Powerful heating ZUBADAN , "W"= can be used as air to water application
71	Rated cooling capacity (kW base)
V	"V"= 230V / Single phase / 50Hz , "Y"= 400V / Three phase / 50Hz
H	Generation
A	"A"= A control

3) MXZ Series

M	M Series
X	Multi-system outdoor unit (heat pump)
Z	Inverter heat pump
–	
4	Maximum number of connectable indoor units
D/HJ	Generation / Type
72	Rated cooling capacity (kW base)
V	"V"= 230V / Single phase / 50Hz
A	"A"= R410A with new A control