

Doing Our Part to Create a Better Future for All...

Core Environmental Policy

The Mitsubishi Electric Group promotes sustainable development and is committed to protecting and restoring the global environment through technology, through all its business activities, and through the actions of its employees.

Environmental Vision 2021



Making Positive Contributions to the Earth and its People through Technology and Action Making Positive

Preventing Global Warming

- Reduce CO₂ emissions from product usage by 30%
 Reduce total CO₂ emissions from production by 30%
- Aim to réduce CO₂ emissions from power generation

Creating a Recycling-Based Society

- Reduce, reuse and recycle "3Rs" products reduce resources used by 30%
- Zero emissions from manufacturing reducing the direct landfill of waste to zero

Ensuring Harmony with Nature Fostering Environmental Awareness

The New Refrigerant R32

The new R32 refrigerant has a global warming potential approximately 1/3*1 that of our current refrigerant, R410A; thereby dramatically reducing the negative impact more than ever. Actively introducing the new R32 refrigerant to suppress global warming, Mitsubishi Electric continues to promote manufacturing while considering the environment.

Comparison of Global Warming Potential

2088

Global warming potential approx

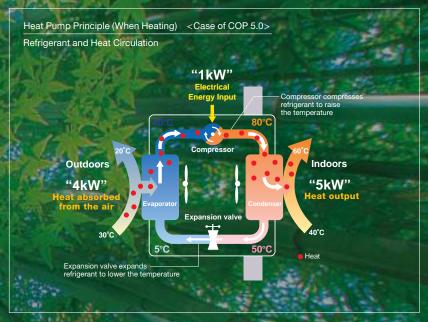
R410A

Source: IPCC 4th Assessment Report, global warming potential (GWP) 100-year value. Comparison of 2088 (R410A) and 675 (R32).

Mitsubishi Electric reflects the essence of this policy and vision in all aspects of its air conditioner business as well.

Preventing Global Warming

Heat pump technology inspires Mitsubishi Electric to design air conditioners that harmonize comfort and ecology.



Mitsubishi Electric develops technologies to balance comfort and ecology, achieving greater efficiency in heat pump operation.

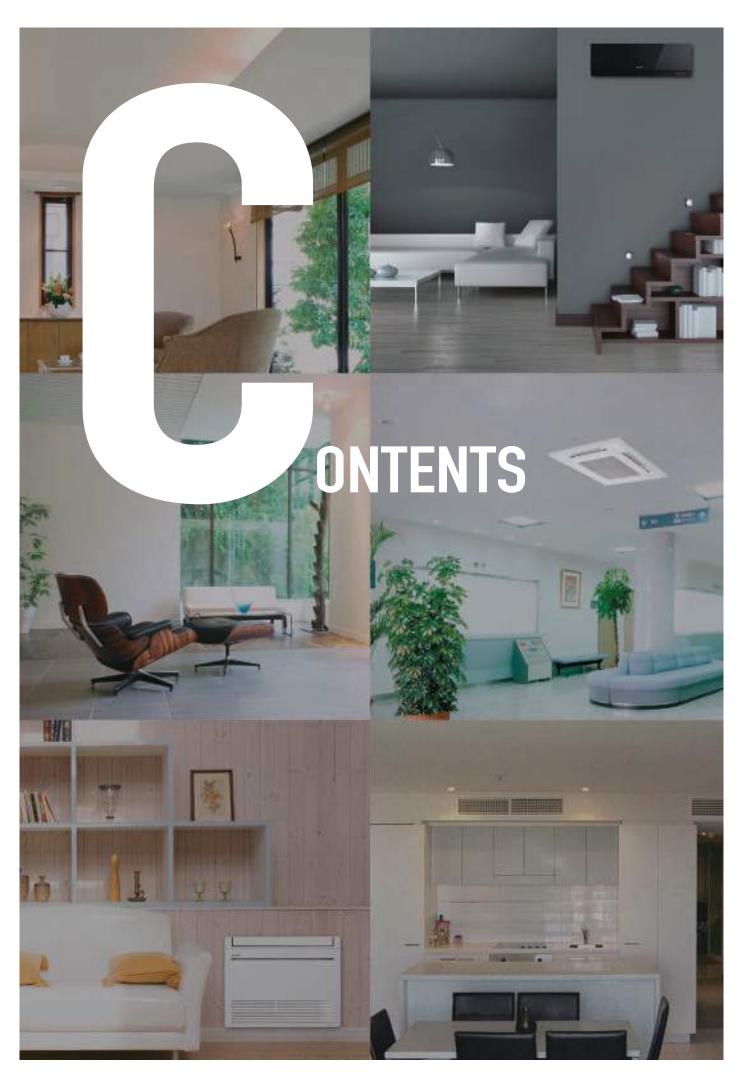
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Comfort	Ecology
1. Inverter	Faster start-up and more stable indoor temperature than non-inverter units.	Fewer On/Off operations than with non-inverter, saving energy.
2. 3D i-see Sensor	Since the positions of people can be detected, airflow can be set to personal taste, such as in airflow path or protected from the wind. The ability to adjust to individual preferences realizes more comfortable air conditioning.	Since the number of people in a room can be detected, energy-saving operation is adjusted or the power is turned off automatically. Efficient air conditioning with less waste is realized.
3. Flash Injection	Achieves high heating capacity even at low temperatures, plus faster start-up compared to conventional inverters.	Expands the region covered by heat pump heating system.

Creating a Recycling-Based Society

- All models are designed for RoHS and WEEE compliance.*
 Mitsubishi Electric develops downsizing technology to reduce materials use.
 - WEEE and RoHS directives: The Waste Electrical and Electronic Equipment (WEEE) Directive is a recycling directive of equipment, while the Restrictions of Hazardous Substances (RoHS) Directive is an EU directive restricting specified substances in electronic and electrical devices. In the EU, it is no longer possible (from July 2006) to

Ensuring Harmony with Nature / Fostering Environmental Awareness

In striving to heighten the eco-awareness of its employees, Mitsubishi Electric provides education in RoHS, WEEE and other environmental regulations, along with environmental education targeting second and third-year workers.



Air Conditioners	
LINE-UP	007-010
M SERIES	··· 011-052
S SERIES	··· 053-062
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■ R32 REERIGERANT	200_210

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LOSSNAY





LINE-UP

M SERIES

Model Nan	20		1.5kW	1.8kW	2.0kW	2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	Page
iviodei ivan	ne		1-phase	1-phase	1-phase	1-phase	1-phase	1-phase	1-phase	1-phase	1-phase	1-phase	1 age
	MSZ-L Series R32 R410A*2			Multi connection only			W-V-R-B SINGLE	W-V-R-B SINGLE		W-V-R-B SINGLE	W-Y-R-B SINGLE		13
	MSZ-A Series R32 R410A*1	MSZ-AP15/20VG	SINGLE		SINGLE								19
	MSZ-AP60/7	MSZ-AP25/35/42/50VG					SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	19
	MSZ-E Series R32 R410A*1			W-S-B Multi connection only		W-S-B Multi connection only	WSB SINGLE H	WS-B SINGLE H	WSB SINGLE	W-S-B SINGLE			25
	MSZ-BT Series				SINGLE		SINGLE	SINGLE		SINGLE			27
	MSZ-HR Series R32 MSZ-HR607	MSZ-HR25/35/42/50VF					SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	29
Wall- mounted	MSY-TP Series	178						SINGLE		SINGLE			31
	MSZ-S Series R410A	MSZ-SF15/20VA	Multi connection only		Multi connection only								35
		/35/42/50VE3					SINGLE	SINGLE	SINGLE	SINGLE			35
	MSZ-G Series R410A	-									SINGLE	SINGLE	35
	MSZ-D Series R410A	-					SINGLE	SINGLE					41
	MSZ-H Series R410A MSZ-HJ60/	MSZ-HJ25/35/50					SINGLE	SINGLE		SINGLE	SINGLE	SINGLE	43
Compact floor	MFZ Series						SINGLE	SINGLE		SINGLE	SINGLE		45
1-way cassette	MLZ Series						SINGLE	SINGLE		SINGLE			47

^{*1:} R410A is for MXZ and PUMY connection. *2: R410A is for PUMY connection.

H: Outdoor unit with freeze-prevention heater is available.
W·S·B: Indoor units are available in three colours; White, Black and Silver.
W·V·R·B: Indoor units are available in four colours; Natural White, Pearl White, Ruby Red, and Onyx Black.

Indoor Combinations

SINGLE 1 outdoor unit & 1 indoor unit

TWIN 1 outdoor unit & 2 indoor units

TRIPLE 1 outdoor unit & 3 indoor units

QUADRUPLE 1 outdoor unit & 4 indoor units

S SERIES

Model Non	Model Name		1.5kW	2.5kW	3.5kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	Page
Wodel Ival	ile		1-phase	1-phase	1-phase	1-phase	1-phase	1-phase	1- & 3-phase	1- & 3-phase	1- & 3-phase	1 age
2 x 2 cassette	SLZ Series R32 R410A		Multi connection only	SINGLE	SINGLE	SINGLE	SINGLE	TWIN	TWIN TRIPLE	TWIN TRIPLE QUADRUPLE	TRIPLE QUADRUPLE	55
Compact ceiling- concealed	SEZ Series R32 R410A			* SINGLE				60				

* Indoor units are available in two types; with or without the wireless remote controller.

P SERIES

R32 Power Inverter Models / R32 Standard Inverter Models

Model Name		3.5kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	20.0kW	25.0kW	Page
Wiodol (Valino		1-phase	1-phase	1-phase	1-phase	1- & 3-phase	1- & 3-phase	1- & 3-phase	1- & 3-phase	1- & 3-phase	rugo
4-way cassette	PLA Series	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE TWIN TRIPLE	TWIN TRIPLE QUADRUPLE	TWIN TRIPLE QUADRUPLE	67
Ceiling-	PEAD Series R32	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE TWIN TRIPLE	TWIN TRIPLE QUADRUPLE	TWIN TRIPLE QUADRUPLE	76
concealed	PEA Series								SINGLE	SINGLE	81
Wall- mounted	PKA Series	* SINGLE	* SINGLE	* SINGLE	SINGLE * TWIN *	SINGLE	TWIN	TWIN	TWIN TRIPLE QUADRUPLE	TRIPLE	84
Ceiling- suspended	PCA-KA Series	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE TWIN TRIPLE	TWIN TRIPLE QUADRUPLE	TWIN TRIPLE QUADRUPLE	89
for Professional Kitchen	PCA-HA Series*				SINGLE*			* TWIN		TRIPLE	94

* R32 Power Inverter Model only

R410A POWER INVERTER Models / R410A STANDARD INVERTER Models

Model Name		3.5kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	20.0kW	25.0kW	Pogo
Wodel Name		1-phase	1-phase	1-phase	1-phase	1- & 3-phase	1- & 3-phase	1- & 3-phase	3-phase	3-phase	Page
4-way cassette	PLA Series R410A	SINGLE	SINGLE	SINGLE	SINGLE *	SINGLE	SINGLE	SINGLE TWIN TRIPLE	TWIN TRIPLE QUADRUPLE	TWIN TRIPLE QUADRUPLE	67
Ceiling-	PEAD Series R410A	SINGLE	SINGLE	SINGLE	SINGLE *	SINGLE	SINGLE	SINGLE TWIN TRIPLE	TWIN TRIPLE QUADRUPLE	TWIN TRIPLE QUADRUPLE	76
concealed	PEA Series R410A								SINGLE	SINGLE	81
Wall- mounted	PKA Series R410A	* SINGLE	* SINGLE	* SINGLE	SINGLE * TWIN *	SINGLE	TWIN	TWIN	TWIN TRIPLE QUADRUPLE	TRIPLE	84
Ceiling- suspended	PCA-KA Series R410A	SINGLE	SINGLE	SINGLE	SINGLE *	SINGLE	SINGLE	SINGLE TWIN TRIPLE	TWIN TRIPLE QUADRUPLE	TWIN TRIPLE QUADRUPLE	89
for Professional Kitchen	PCA-HA Series* (R410A)				SINGLE*			* TWIN		TRIPLE	94
Floor- standing	PSA Series R410A				SINGLE*	SINGLE	SINGLE	SINGLE TWIN	TWIN	TWIN TRIPLE	97

* Power Inverter Models only

LINE-UP

MXZ SERIES INVERTER Models

Model Name			Capacity Class	Page
up to 2 indoor units MXZ-2F33VF3	R32		3.3kW <1-phase>	103
up to 2 indoor units MXZ-2F42VF3	R32	8	4.2kW <1-phase>	103
up to 2 indoor units MXZ-2F53VF(H)3	R32		5.3kW <1-phase>	103
up to 3 indoor units MXZ-3F54VF3	R32		5.4kW <1-phase>	103
up to 3 indoor units MXZ-3F68VF3	R32		6.8kW <1-phase>	103
up to 4 indoor units MXZ-4F72VF3	R32		7.2kW <1-phase>	103
up to 4 indoor units MXZ-4F80VF3	R32		8.0kW <1-phase>	103
up to 4 indoor units MXZ-4F83VF	R32		8.3kW <1-phase>	103
up to 5 indoor units MXZ-5F102VF	R32		10.2kW <1-phase>	103
up to 6 indoor units MXZ-6F122VF	R32	•	12.2kW <1-phase>	103
up to 2 indoor units MXZ-2HA40VF	R32		4.0kW <1-phase>	107
up to 2 indoor units MXZ-2HA50VF	R32		5.0kW <1-phase>	107
up to 3 indoor units MXZ-3HA50VF	R32	•	5.0kW <1-phase>	107

Model Name		Capacity Class	Page
up to 2 indoor units MXZ-2D33VA		3.3kW <1-phase>	105
up to 2 indoor units MXZ-2D42VA2	0	4.2kW <1-phase>	105
up to 2 indoor units MXZ-2D53VA (H)2		5.3kW <1-phase>	105
up to 3 indoor units MXZ-3E54VA		5.4kW <1-phase>	105
up to 3 indoor units MXZ-3E68VA		6.8kW <1-phase>	105
up to 4 indoor units MXZ-4E72VA		7.2kW <1-phase>	105
up to 4 indoor units MXZ-4E83VA		8.3kW <1-phase>	105
up to 5 indoor units MXZ-5E102VA		10.2kW <1-phase>	105
up to 6 indoor units MXZ-6D122VA	•	12.2kW <1-phase>	105
up to 2 indoor units MXZ-2DM40VA	0	4.0kW <1-phase>	109
up to 3 indoor units MXZ-3DM50VA	0	5.0kW <1-phase>	109

PUMY SERIES INVERTER Models

Model Name	12.5kW 1 & 3-phase	14.0kW 1 & 3-phase	15.5kW 1 & 3-phase	22.4kW 3-phase	Page
PUMY-SP R410A	1	1	1		111
PUMY-P (R410A)	✓	1	1	1	113

POWERFUL HEATING SERIES INVERTER Models

Model Nam			2.5kW	3.5kW	5.0kW	5.3kW	8.3kW	10.0kW	12.5kW	Page
woder warr	ie		1-phase	1-phase	1-phase	1-phase	1-phase	1- & 3-phase	3-phase	i age
		MSZ-L VGHZ Series R32 R410A *	SINGLE	SINGLE	SINGLE					121
Wal	ll-mounted	MSZ-FTVGHZ Series	SINGLE	SINGLE	SINGLE					123
Con	npact floor	MFZVEHZ Series R410A	SINGLE	SINGLE	SINGLE					127
	4-way cassette	PLA Series R32 R410A						SINGLE	SINGLE	130
ZUBADAN	Ceiling-concealed	PEAD Series R32 R410A						SINGLE		132
	Wall-mounted	PKA Series R32 R410A						SINGLE		133
Mul	lti split	MXZ-F VFHZ Series MXZ-E VAHZ Series R32 R410A				2PORT H	4PORT H			134

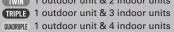
* R410A is for PUMY connection.

H: Freeze-prevention heater is included as standard equipment.

Indoor Combinations

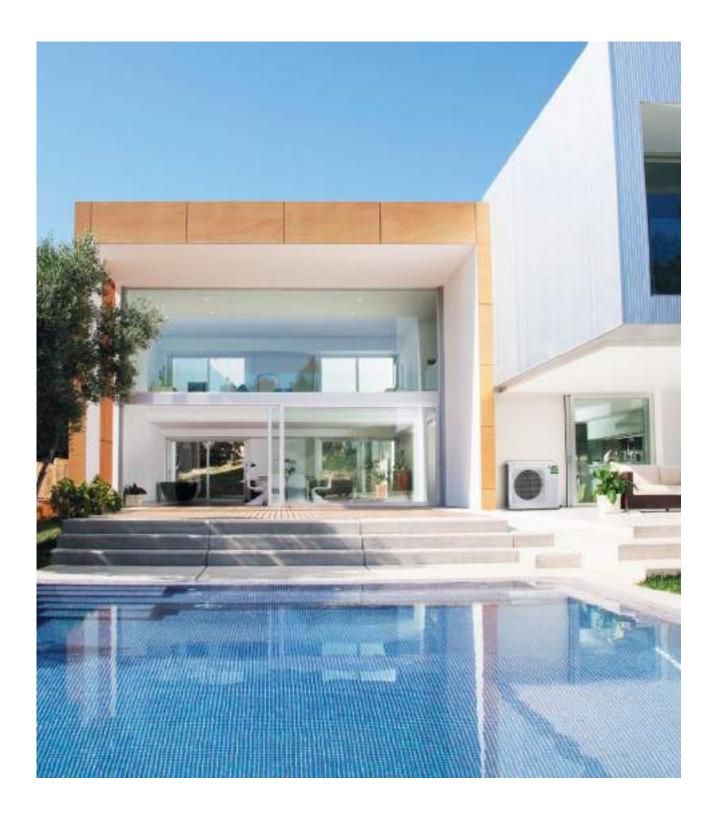
SINGLE 1 outdoor unit & 1 indoor unit
TWIN 1 outdoor unit & 2 indoor units



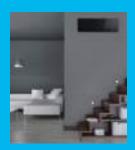


LOSSNAY SERIES

			Decentralized	l Ventilation			
	C	Ceiling Concealed Ty	ре		Vertical Type	Wall Moun	ited Type
LGH-RVX Series	LGH-RVXT Series	GUF Series	GUG Series (Optional Unit)	VL-220CZGV-E	VL-CZPVU Series	VL-100(E)Us-E	VL-50(E)S2-E VL-50SR2-E





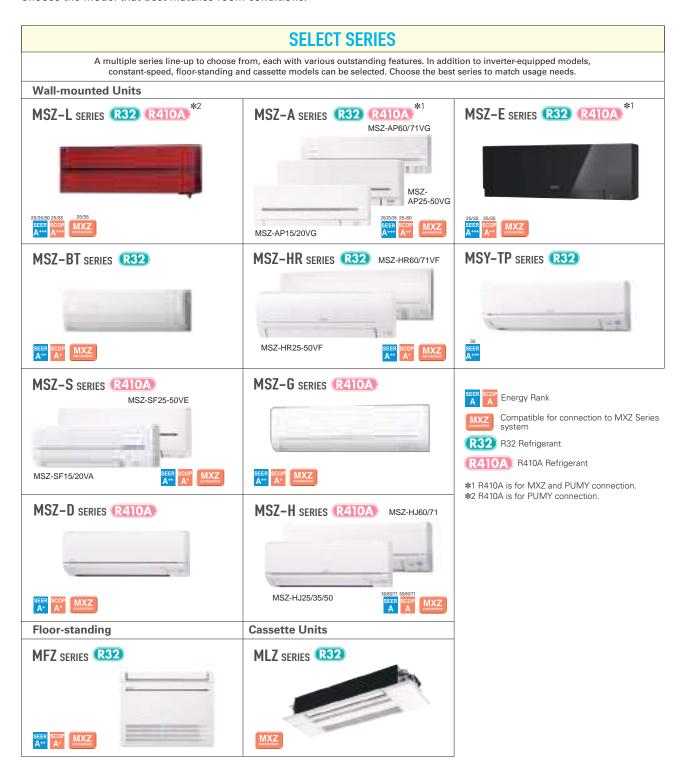






SELECTION

Choose the model that best matches room conditions.



SELECT OUTDOOR UNIT

Some outdoor units in the line-up have heaters for use in cold regions. Units with an "H" in the model name are equipped with heaters.

Heater Installed

MUZ-AP25/35/42/50VGH MUZ-EF25/35VGH MUZ-SF25/35/42/50VEH



MUZ-LN25/35V0

Hyper Heating

MUZ-LN25/35/50VGHZ MUZ-FH25/35/50VEHZ MUFZ-KJ25/35/50VEHZ



MUZ-LN50VG

Selecting a Heater-equipped Model

In regions with the following conditions, there is a possibility that water resulting from condensation on the outdoor unit when operating in the heating mode will freeze and not drain from the base.

- 1) Cold outdoor temperatures (temperature does not rise above 0°C all day)
- Areas where dew forms easily (in the mountains, valleys(surrounded by mountains), near a forest, near unfrozen lakes, ponds, rivers or hot springs), or areas with snowfall.

To prevent water from freezing in the base, it is recommended that a unit with a built-in heater be purchased. Please ask your dealer representative about the best model for you.



MSZ-L SERIES

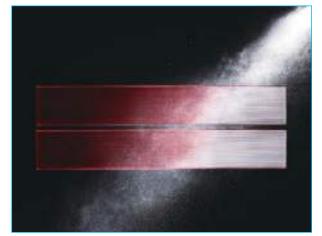




Developed to complement modern interior room décor, the LN Series is available in four colours specially chosen to blend in naturally wherever installed. Not only the sophisticated design, but also the optimum energy efficiency and operational comfort add even more value to this series.

Luminous and Luxurious Design

Natural White, Pearl White, Ruby Red, and Onyx Black. LN Series indoor units are available in four colours to match various lifestyles. The appearance of the indoor unit differs depending on the lighting in the room, attracting the attention of everyone that enters the room.



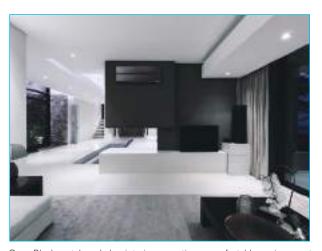
Master craftsmanship painting technology has resulted in a refined design, giving the finish deep colour and a premium guality feel.



Pearl White blends in with any interior.



Ruby Red gives an accent to the room, affording timeless elegance to sophisticated interiors.



Onyx Black matches darker interiors, creating a comfortable environment.

LED Backlight Remote Controller

Not only the indoor units, but the wireless remote controllers come in four colours as well. Each remote controller matches the indoor unit. Even the textures are the same.

The setting can be easily checked in the dark.











nyx ack

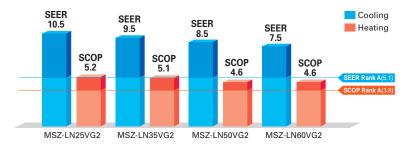
High Energy Efficiency





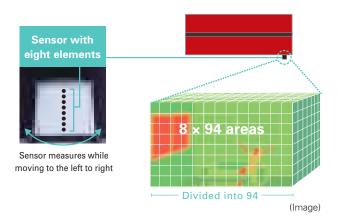


Optimum cooling/heating performance is another feature for the LN series. Models from capacities 25 to 50 have achieved the "Rank A⁺⁺⁺" for SEER, and models for capacities 25 and 35 have achieved the "Rank A⁺⁺⁺" for SCOP as well.



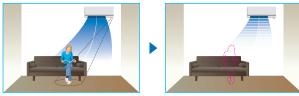
3D i-see Sensor

The LN Series is equipped with 3D i-see Sensor, an infrared-ray sensor that measures the temperature at distant positions. While moving to the left and right, eight vertically arranged sensor elements analyze the room temperature in three dimensions. This detailed analysis makes it possible to judge where people are in the room, thus allowing creation of features such as "Indirect airflow," to avoid airflow hitting people directly, and "direct airflow" to deliver airflow to where people are.



No occupancy energy-saving mode

The sensors detect whether there are people in the room. When no-one is in the room, the unit automatically switches to energy-saving mode.



The "3D i-see Sensor" detects people's absence and the power consumption is automatically reduced approximately 10% after 10 minutes and 20% after 60 minutes.

Indirect Airflow

The indirect airflow setting can be used when the flow of air feels too strong or direct. For example, it can be used during cooling to avert airflow and prevent body temperature from becoming excessively cooled.

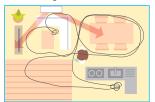


Direct Airflow

This setting can be used to directly target airflow at people such as for immediate comfort when coming indoors on a hot (cold) day



Even Airflow *LN Series only Normal swing mode



The airflow is distributed equally throughout the room, even to spaces where there is no human movement.

Even airflow mode



The 3D i-see sensor memorizes human movement and furniture positions, and efficiently distributes airflow

No occupany Auto-OFF mode *LN Series only

The sensors detect whether or not there are people in the room. When there is no one in the room, the unit turns off automatically.





Circulator Operation

In case the indoor temperature reaches the setting temperature, the outdoor unit stops and the indoor unit starts FAN operation to circulate the indoor air.

The outdoor unit starts operation automatically when the indoor temperature drops below the setting temperature.



If the heating operation is continued, the warm air is formed around ceiling.



(MSZ-LN18/25/35/50/60VG-SC Scandinavian model)

This operating can help to circulate and rense

Plasma Quad Plus

Plasma Quad Plus is a plasma-based filter system that effectively removes six kinds of air pollutants. Plasma Quad Plus captures mold and allergens more effectively than Plasma Quad. It can also capture PM2.5 and particles smaller than 2.5µm, creating healthy living spaces for all.

Bacteria



Test results have confirmed that Plasma Quad Plus neutralizes 99% of bacteria in 162 minutes in a 25m³ test space.

<Test No.> KRCES-Bio. Test Report No. 2016-0118

Viruses



Test results have confirmed that Plasma Quad Plus neutralizes 99% of virus particles in 72 minutes in a 25m³ test space.

<Test No.> vrc.center, SMC No. 28-002

Molds



Test results have confirmed that Plasma Quad Plus neutralizes 99% of mold in 135 minutes in a 25m³ test space.

<Test No.> Japan Food Research Laboratories Test Report No. 16069353001-0201

Allergens



In a test, air containing cat fur and pollen was passed through the air cleaning device at the low airflow setting. Before and after measurements confirm that Plasma Quad Plus neutralizes 98% of cat fur and pollen.

<Test No.> ITEA Report No. T1606028

PM2.5



Test results have confirmed that Plasma Quad Plus removes 99% of PM2.5 in 145 minutes in a 28m³ test space.

<In-company investigation>

Dust



Test results have confirmed that Plasma Quad Plus removes 99.7% of dust and mites.

<Test No.> ITEA Report No. T1606028

Model	Name	Method	Bacteria	Viruses	Molds	Allergens	Dust	PM2.5*
FH Series	Plasma Quad	One-Stage Plasma	А	А	В	В	С	
LN Series	Plasma Quad Plus	Two-Stage Plasma	А	А	А	А	А	А

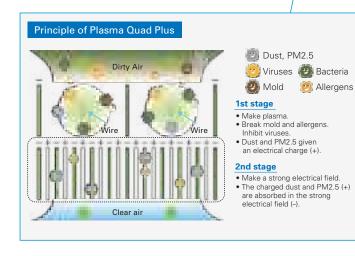
- A: Highly effective
- B: Effective
- C: Partially effective

*PM2.5:

Particles smaller than 2.5µm

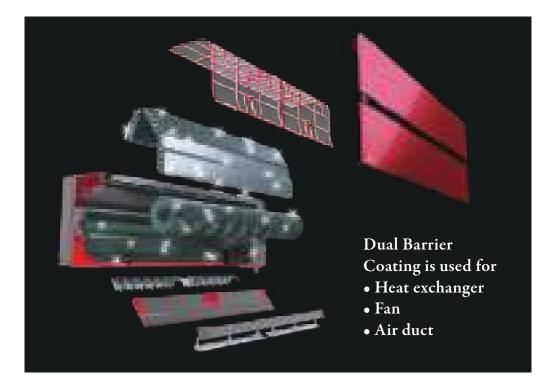
Image of Plasma Quad Plus





Dual Barrier Coating

A two-barrier coating prevents dust and greasy dirt from getting into the air conditioner.



State-of-the-art coating technology

Dirt is generally classified into two groups: hydrophilic dirt such as fiber dust and sand dust, and hydrophobic dirt such as oil and cigarette smoke. Mitsubishi Electric's dual barrier coating works as a two-barrier coating with blended "fluorine particles" that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt from getting into the air conditioner. This dual coating on the inner surface keeps the air conditioner clean year-round.



Comparison of dirt on heat exchanger, fan and air duct (in-house comparison)





Double Flap

The vanes create various airflows to make each person in the room comfortable. Not only the horizontal vanes, but also the vertical vanes move independently, eliminating hot spots or cold spots throughout the room.

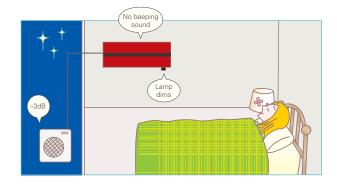




Night Mode

When Night Mode is activated using the wireless remote controller, air conditioner operation will switch to the following settings.

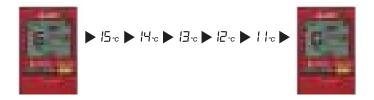
- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will drop to 3dB lower than the rated operating noise specification.



10°C Heating

During heating operation, the temperature can be set in 1°C increments down to 10°C.

This function can also be used with the Weekly Timer setting.



Quiet Operation

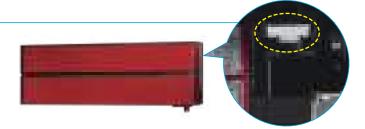
The indoor unit noise level is as low as 19dB for LN25/35 models, offering a peaceful inside environment.



Built-in Wi-Fi Interface

The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit.

This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.



^{*}The cooling/heating capacity may drop.

Inverter PAM PAM MSZ-L SERIES R410A Outdoor Unit Indoor Unit / Remote Controller GOOD DESIGN AWARD 2016 **BEST 100** <Pearl White> <Ruby Red> MUZ-LN25/35VG2 MSZ-LN18/25/35/50/60VG2V MSZ-LN18/25/35/50/60VG2R <Natural White> <Onyx Black> MUZ-LN50VG2 MSZ-LN18/25/35/50/60VG2W MSZ-LN18/25/35/50/60VG2B MUZ-LN60VG

Туре						Inverter Heat Pump						
ndoor U	nit			MSZ-LN18VG2	MSZ-LN25VG2	MSZ-LN35VG2	MSZ-LN50VG2	MSZ-LN60VG2				
Outdoor	Unit			for MXZ connection	MUZ-LN25VG2	MUZ-LN35VG2	MUZ-LN50VG2	MUZ-LN60VG				
Refrigerant			<u> </u>	Single: R32 ^(*) / Multi: R410A or R32 ^(*)								
Power	Source			Outdoor Power Supply								
Supply	Outdoor (V / Ph	ase / Hz)				230 / Single / 50	-					
	Design load kW			_	2.5	3.5	5.0	6.1				
	Annual electricity	consumption (*2)	kWh/a	_	83	129	205	285				
	SEER (*4)			_	10.5	9.5	8.5	7.5				
Cooling		Energy efficiency class	s	_	A+++	A+++	A+++	A++				
		Rated	kW	-	2.5	3.5	5.0	6.1				
	Capacity	Min-Max	kW	_	1.0 - 3.5	0.8 - 4.0	1.0 - 6.0	1.4 - 6.9				
	Total Input	Rated	kW	_	0.485	0.820	1.380	1.790				
	Design load		kW	_	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)	6.0 (-10°C)				
		at reference design temperature	_	-	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)	6.0 (-10°C)				
	Declared	at bivalent temperature	kW	=	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)	6.0 (-10°C)				
	Capacity	at operation limit temperature	kW	_	2.5 (-15°C)	3.2 (-15°C)	4.2 (-15°C)	6.0 (-15°C)				
eating	Back up heating		kW	-	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)				
verage	Annual electricity	consumption (*2)	kWh/a	_	807	987	1369	1826				
eason)(*5)	SCOP (*4)				5.2	5.1	4.6	4.6				
		Energy efficiency class		_	A+++	A+++	A++	A++				
		Rated	kW	_	3.2	4.0	6.0	6.8				
	Capacity	Min-Max	kW	_	0.7 - 5.4	0.9 - 6.3	1.0 - 8.2	1.8 - 9.3				
	Total Input	Rated	kW	_	0.600	0.820	1.480	1.810				
peratin	g Current (Max)		A		7.1	9.9	13.9	15.2				
,	Input	Rated	kW	0.027	0.027	0.027	0.034	0.040				
	Operating Current(Max)		A	0.3	0.3	0.3	0.4	0.4				
	Dimensions	H*W*D	mm	307-890-233	307-890-233	307-890-233	307-890-233	307-890-233				
	Weight		kg	14.5 (W) 15.5 (V, R, B)	14.5 (W) 15.5 (V, R, B)	14.5 (W) 15.5 (V, R, B)	15 (W) 16 (V, R, B)	15 (W) 16 (V, R, B)				
ndoor	Air Volume (SLo-Lo-			4.7 - 5.9 - 7.1 - 9.2 - 12.4	4.7 - 5.9 - 7.1 - 9.2 - 12.4	4.7 - 5.9 - 7.1 - 9.2 - 13.0	5.7 - 7.6 - 8.8 - 10.6 - 13.9	7.1 - 8.8 - 10.6 - 12.7 - 15				
Jnit	Mid-Hi-SHi ^(*3) (Dry/Wet))	Heating	m³/min m³/min	4.5 - 6.6 - 7.5 - 11.0 - 13.9	4.5 - 6.6 - 7.5 - 11.0 - 13.9	4.5 - 6.6 - 7.5 - 11.0 - 13.9	5.4 - 6.4 - 8.5 - 10.7 - 15.7	6.6 - 9.5 - 11.5 - 13.6 - 15				
	Sound Level (SPL)	Cooling	dB(A)	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	19 - 24 - 29 - 36 - 43	27 - 31 - 35 - 39 - 46	29 - 37 - 41 - 45 - 49				
	(SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	19 - 24 - 29 - 38 - 45	19 - 24 - 29 - 38 - 45	19 - 24 - 29 - 38 - 45	25 - 29 - 34 - 39 - 47	29 - 37 - 41 - 45 - 49				
	Sound Level (PWL)	Cooling	dB(A)	58	58	59	60	65				
	Dimensions	H*W*D	mm	-	550-800-285	550-800-285	714-800-285	880-840-330				
	Weight	_	kg	_	33	34	40	55				
	_	Cooling	m³/min		34.3	34.3	40.0	50.1				
	Air Volume	Heating	m³/min		32.7	32.7	40.5	51.3				
utdoor		Cooling	dB(A)		46	49	51	55				
nit	Sound Level (SPL)	Heating	dB(A)	_	49	50	54	55				
	Sound Level (PWL)	Cooling	dB(A)	_	60	61	64	65				
	Operating Curre		A		6.8	9.6	13.5	14.8				
	Breaker Size	()	A	_	10	10	16	16				
	Diameter	Liquid/Gas	mm		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7				
xt.	Max.Length	Out-In	m		20	20	30	30				
Piping	Max.Height	Out-In	m		12	12	12	15				
Sugrant	eed Operating	Cooling	*C		-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46				
	eed Operating Outdoor) Heating		°C		-15 ~ +24	-15 ~ +24	-15 ~ +24	-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 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 CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or Gassassmible the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

(*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) SET, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(*5) Please see page 51-52 for heating (warmer season) specifications.

MSZ-A

Introducing a compact and stylish indoor unit with various capacity, designed to match number of rooms. High performance indoor and outdoor units enabled to achieve "Rank A $^{+++}$ " for SEER. *MSZ-AP20/25/35VG





MSZ-AP25/35/42/50VG

MSZ-AP15/20VG



MSZ-AP60/71VG



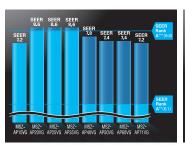




reddot award 2018

High energy saving

The classes from the low-capacity 25 to the high-capacity 60, have achieved either the "Rank A+++" or "Rank A++" for SEER and SCOP as energy-savings rating. Our air conditioners are contributing to reduce energy consumption in a wide range.







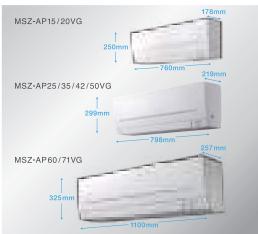
Compact and stylish

All the classes are introduced as single-split and multi-systems. From small rooms to living rooms, it is possible to coordinate residences with a unified design.









Evolved comfortable convenience function

Horizontal Airflow

The new airflow control which spreads across the ceiling eliminates the uncomfortable drafty feeling.

Auto Vane Control



Auto vanes can be moved left and right, and up and down using the remote controller.*

The Function























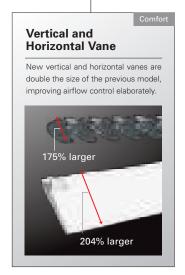


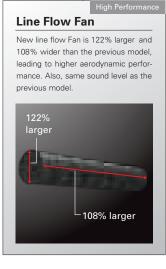


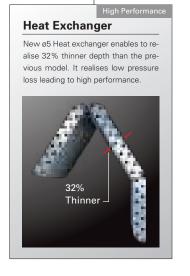
*Only for 25/35/42/50/60/71 models

High performance and compact size are realised by refining all parts









"Weekly Timer"



Easily set desired temperatures and operation start/stop times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

■ Example Operation Pattern (Winter/Heating mode)

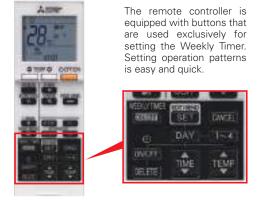
Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
		Automatically change	s to high-power opera	tion at wake-up time		
OFF	OFF	OFF	055		ON 10°C	ON 4000
OFF				UFF		
	Automatic	so the temperature is set lower				
ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
	Automatically turn	ns on, synchronized wi	th arrival at home		Automatically raises ten	nperature setting to de-air temperature is low
ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C
	Automa	atically lowers tempera	ture at bedtime for en	ergy-saving operation a	t night	
	ON 20°C OFF ON 20°C	ON 20°C ON 20°C OFF OFF Automatic ON 20°C ON 20°C Automatically turn ON 18°C ON 18°C	ON 20°C ON 20°C ON 20°C Automatically change OFF OFF Automatically turned off during w ON 20°C ON 20°C ON 20°C Automatically turns on, synchronized wi ON 18°C ON 18°C ON 18°C	ON 20°C ON 20°C ON 20°C Automatically changes to high-power opera OFF OFF OFF Automatically turned off during work hours ON 20°C ON 20°C ON 20°C Automatically turns on, synchronized with arrival at home ON 18°C ON 18°C ON 18°C ON 18°C	ON 20°C ON 20°C ON 20°C ON 20°C Automatically changes to high-power operation at wake-up time OFF OFF OFF OFF Automatically turned off during work hours ON 20°C ON 20°C ON 20°C ON 20°C Automatically turns on, synchronized with arrival at home ON 18°C ON 18°C ON 18°C ON 18°C ON 18°C	ON 20°C ON 20°C ON 20°C ON 20°C ON 20°C ON 20°C Automatically changes to high-power operation at wake-up time OFF OFF OFF OFF OFF OFF Automatically turned off during work hours ON 20°C ON 20°C ON 20°C ON 20°C ON 20°C Automatically turns on, synchronized with arrival at home ON 20°C ON 20°C ON 20°C Automatically raises termatch time when outsident in the control of the con

Settings

Pattern Settings: Input up to four settings for each day

Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

■ Easy set-up using dedicated buttons





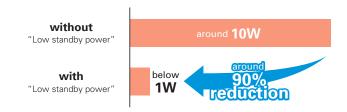
- Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired patterns into the remote controller memory. Pushing the "CANCEL" button will end the set-up process without sending the operation patterns to the indoor unit).

 • It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit.
- Please continue to point the remote controller at the indoor unit until all data has been sent.

 •When "Weekly Timer" is set, temperature can not be set 10°C. (only for 15/20 models)

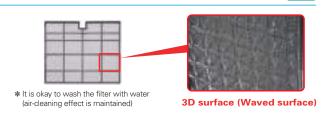
Low Standby Power

Electrical devices consume standby power even when they are not in actual use. While we obviously strive to reduce power consumption during actual use, reducing this wasted power that cannot be seen is also very important.



Air Purifying Filter

This filter generates stable antibacterial and deodourising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Air Purifying Filter better dust collection performance than conventional filters. The superior air-cleaning effectiveness raises room comfort yet another level.

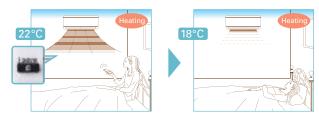


(MSZ-AP25/35/42/50/60/71)

"i save" Mode



"i save" is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller. Press the same button twice in repetition to immediately return to the previous temperature setting. Using this function contributes to comfortable, waste-free operation, realising the most suitable air conditioning settings and saving on power consumption when, for example, leaving the room or going to bed.



* Temperature can be preset to 10°C when heating in the "i-save" mode

Outdoor Units for Cold Region

(MSZ-AP25/35/42/50)

Single split-type outdoor units are available in both standard and heater-equipped units. An electric heater is installed in each unit to prevent freezing in cold outdoor environments.



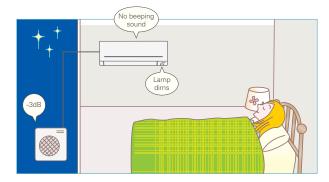
Night Mode

(MSZ-AP20/25/35/42/50/60/71)



When Night Mode is activated using the wireless remote controller, air conditioner operation will switch to the following settings.

- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will drop to 3dB lower than the rated operating noise specification.



Quiet Operation

The indoor unit noise level is as low as 19dB for AP Series, offering a peaceful inside environment.



Built-in Wi-Fi Interface

(MSZ-AP15/20/25/35/42/50/60/71VGK)



The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit.

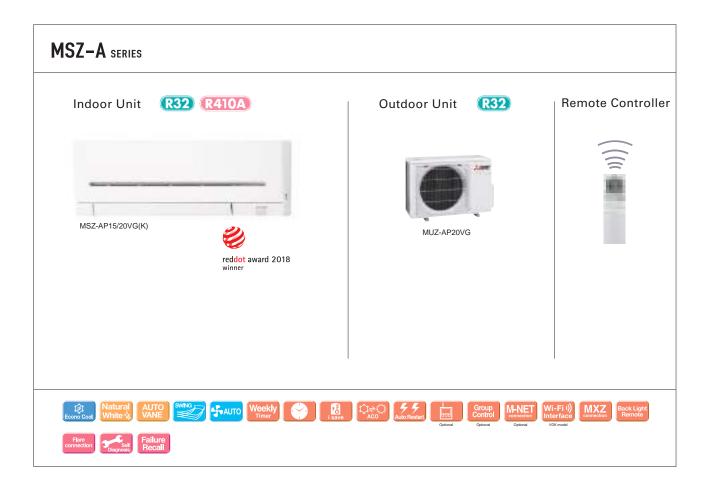
This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.

LED Backlight Remote Controller



Blacklight function incorporated, making screen easy to read in the dark. Even in dimly lit rooms, the screen can be seen clearly for trouble-free remote controller operation.

^{*}The cooling/heating capacity may drop.



Туре						Inverter F	leat Pump					
Indoor Ur	nit			MSZ-AP15VG(K)	MSZ-AP20VG(K)	MSZ-AP25VG(K)	MSZ-AP25VG(K)	MSZ-AP35VG(K)	MSZ-AP35VG(K)			
Outdoor	Unit			MUZ-AP15VG	MUZ-AP20VG	MUZ-AP25VG	MUZ-AP25VGH	MUZ-AP35VG	MUZ-AP35VGH			
Refrigera	nt					Single: R32 ^(*1) / Mu	ti: R410A or R32(*1)					
Power	Source			Outdoor Power supply								
Supply	Outdoor (V / Ph	ase / Hz)		230 / Single / 50								
	Design load	<u> </u>	kW	1.5	2.0	2.5	2.5	3.5	3.5			
	Annual electricity	consumption (*2)	kWh/a	72	81	101	101	142	142			
	SEER (*4)			7.2	8.6	8.6	8.6	8.6	8,6			
Cooling		Energy efficiency class		A++	A+++	A+++	A+++	A+++	A+++			
		Rated	kW	1.5	2.0	2.5	2.5	3.5	3.5			
	Capacity	Min-Max	kW	0.5-2.2	0.6-2.7	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8			
	Total Input	Rated	kW	0.370	0.460	0.600	0.600	0.990	0.990			
	Design load		kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)			
		at reference design temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)			
	Declared	at bivalent temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)			
	Capacity	at operation limit temperature	kW	1.6 (-15°C)	2.2 (-15°C)	2.4 (-15°C)	2.2 (-20°C)	2.6 (-15°C)	2.4 (-20°C)			
leating	Back up heating		kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)			
Average			kWh/a	559	766	698	703	862	873			
Season)(*5)	SCOP (*4)			4.0	4.2	4.8	4.7	4.7	4.6			
	Energy efficiency class			A+	A+	A++	A++	A++	A++			
		Rated	kW	2.0	2.5	3.2	3.2	4.0	4.0			
	Capacity	Min-Max	kW	0.5-3.1	0.5-3.5	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6			
	Total Input	Rated	kW	0.500	0.600	0.780	0.780	1.030	1.030			
Operatin	g Current (Max)		А	5.5	7.0	7.1	7.1	8.5	8.5			
	Input	Input Rated		0.017	0.019	0.026	0.026	0.026	0.026			
	Operating Current (Max)		А	0.17	0.2	0.3	0.3	0.3	0.3			
	Dimensions	H*W*D	mm	250-760-178	250-760-178	299-798-219	299-798-219	299-798-219	299-798-219			
	Weight		kg	8.2	8.2	10.5	10.5	10.5	10.5			
ndoor Jnit	Air Volume (SLo-Lo-	Cooling	m³/min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11			
Jille	Mid-Hi-SHi(1-3)(Dry/Wet))	Heating	m³/min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12			
	Sound Level (SPL)	Cooling	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42			
	(SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 - 24 - 34 - 39 - 45	19 - 24 - 34 - 39 - 45	19 - 24 - 31 - 38 - 45	19 - 24 - 31 - 38 - 45			
	Sound Level (PWL)	Cooling	dB(A)	59	60	57	57	57	57			
	Dimensions	H*W*D	mm	538-699-249	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285			
	Weight		kg	23	31	31	31	31	31			
	Air Volume	Cooling	m³/min	26	32.2	32.2	32.2	32.2	32.2			
S	Aii Volullie	Heating	m³/min	21	29.8	29.8	29.8	33.8	33.8			
Outdoor Jnit	Sound Level (SPL)	Cooling	dB(A)	50	47	47	47	49	49			
	Souliu Level (SPL)	Heating	dB(A)	50	48	48	48	50	50			
	Sound Level (PWL)	Cooling	dB(A)	63	59	59	59	61	61			
	Operating Curre	ent (Max)	Α	5.3	6.8	6.8	6.8	8.2	8.2			
	Breaker Size		Α	10	10	10	10	10	10			
	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52			
Ext. Piping	Max.Length	Out-In	m	20	20	20	20	20	20			
Build	Max.Height	Out-In	m	12	12	12	12	12	12			
Guarante	eed Operating	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46			
Range (C			°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24			

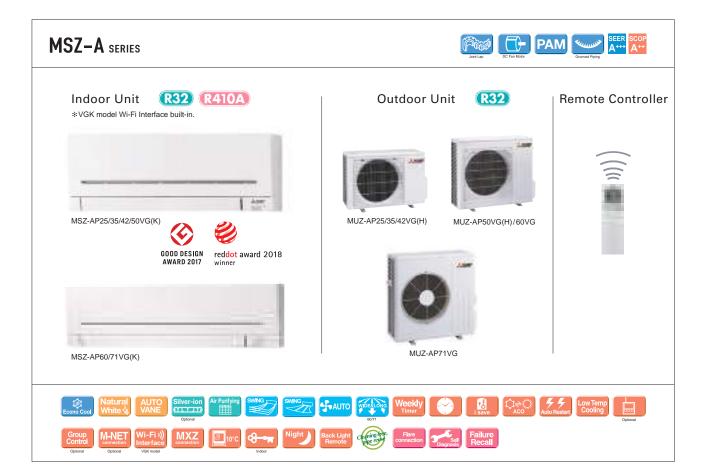
⁽¹⁾ Refigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 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 CO₂, 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.

(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) Shit: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".



Туре						Inverter F	leat Pump				
Indoor Unit				MSZ-AP42VG(K)	MSZ-AP42VG(K)	MSZ-AP50VG(K)	MSZ-AP50VG(K)	MSZ-AP60VG(K)	MSZ-AP71VG(K)		
Outdoor Unit				MUZ-AP42VG	MUZ-AP42VGH	MUZ-AP50VG	MUZ-AP50VGH	MUZ-AP60VG	MUZ-AP71VG		
Refrigera	nt				Single: R32 ^(*1) / Mu	lti: R410A or R32 ^(*1)		Single	: R32 ^(*1)		
Power	Source			Outdoor Power supply							
Supply	Outdoor (V/Ph	ase / Hz)		230 / Single / 50							
	Design load		kW	4.2	4.2	5.0	5.0	6.1	7.1		
	Annual electricity consumption (*2)		kWh/a	188	188	236	236	288	345		
	SEER (14)			7.8	7.8	7.4	7.4	7.4	7.2		
Cooling		Energy efficiency class		A++	A++	A++	A++	A++	A++		
	Capacity	Rated	kW	4.2	4.2	5.0	5.0	6.1	7.1		
	Capacity	Min-Max	kW	0.9-4.5	0.9-4.5	1.4-5.4	1.4-5.4	1.4-7.3	2.0-8.7		
	Total Input	Rated	kW	1.300	1.300	1.550	1.550	1.590	2.010		
	Design load		kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)		
	Deelessed	at reference design temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)		
	Declared Capacity	at bivalent temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)		
	Capacity	at operation limit temperature	kW	4.2 (-15°C)	3.8 (-20°C)	4.7 (-15°C)	4.2 (-20°C)	3.7 (-15°C)	5.4 (-15°C)		
Heating	Back up heating	capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)		
(Average	Annual electricity	consumption (*2)	kWh/a	1120	1134	1250	1275	1398	2132		
Season)(15)	SCOP (4)			4.7	4.6	4.7	4.6	4.6	4.4		
	Energy efficiency			A++	A++	A++	A++	A++	A+		
	Capacity	Rated	kW	5.4	5.4	5.8	5.8	6.8	8.1		
	Capacity	Min-Max	kW	1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3	2.0-8.6	2.2-10.3		
	Total Input	Rated	kW	1.490	1.490	1.600	1.600	1.670	2.120		
Operatin	g Current (Max)		А	9.9	9.9	13.6	13.6	14.1	16.4		
	Input	Rated	kW	0.032	0.032	0.032	0.032	0.049	0.045		
	Operating Current (Max)		Α	0.3	0.3	0.3	0.3	0.5	0.4		
	Dimensions	H*W*D	mm	299-798-219	299-798-219	299-798-219	299-798-219	325-1100-257	325-1100-257		
Indoor	Weight		kg	10.5	10.5	10.5	10.5	16.0	17.0		
Unit	Air Volume (SLo-Lo-	Cooling	m³/min	5.4 - 6.5 - 7.7 - 9.3 - 11.4	5.4 - 6.5 - 7.7 - 9.3 - 11.4	6.0 - 7.2 - 8.4 - 10.0 - 12.6	6.0 - 7.2 - 8.4 - 10.0 - 12.6	9.4 - 11.0 - 13.2 - 16.0 - 18.9	9.6 - 11.5 - 13.2 - 15.3 - 18.6		
	Mid-Hi-SHi ^(*3) (Dry/Wet))	Heating	m³/min	5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.6 - 6.5 - 8.2 - 10.0 - 14.0		10.8- 13.4 - 15.4 - 17.4 - 20.3	10.2- 11.5 - 13.2 - 15.3 - 19.5		
	Sound Level (SPL)	Cooling	dB(A)	21 - 29 - 34 - 38 - 42	21 - 29 - 34 - 38 - 42	28 - 33 - 36 - 40 - 44	28 - 33 - 36 - 40 - 44	29 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 49		
	(SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	21 - 29 - 35 - 40 - 45	21 - 29 - 35 - 40 - 45	28 - 33 - 38 - 43 - 48	28 - 33 - 38 - 43 - 48	30 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 51		
	Sound Level (PWL)	Cooling	dB(A)	57	57	58	58	65	65		
	Dimensions	H*W*D	mm	550-800-285	550-800-285	714-800-285	714-800-285	714-800-285	880-840-330		
	Weight		kg	35	35	40	40	40	55		
	Air Volume	Cooling	m³/min	30.4	30.4	40.5	40.5	52.1	54.1		
Outdoor	All Volume	Heating	m³/min	32.7	32.7	40.5	40.5	52.1	47.9		
Unit	Sound Level (SPL)	Cooling	dB(A)	50	50	52	52	56	56		
	Oodild Ecver (Of E)	Heating	dB(A)	51	51	52	52	57	55		
	Sound Level (PWL)	Cooling	dB(A)	61	61	64	64	69	69		
	Operating Curre	nt (Max)	Α	9.6	9.6	13.3	13.3	13.6	16.0		
	Breaker Size		Α	10	10	16	16	16	20		
Ext.	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7		
Piping	Max.Length	Out-In	m	20	20	20	20	30	30		
F9	Max.Height	Out-In	m	12	12	12	12	15	15		
	eed Operating	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46		
Range (C	Outdoor)	Heating	°C	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-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 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 CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or 6x82 is 675 in the IPCC 4th Assessment Report.

(*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) SHs. Super High

(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(*5) Please see page 51-52 for heating (warmer season) specifications.





MSZ-E

Developed to complement modern interior room décor, Kirigamine ZEN air conditioners are available in three colours specially chosen to blend in naturally wherever installed.











Stylish Line-up Matches Any Room Décor

The streamlined wall-mounted indoor units have eloquent silver-bevelled edges, expressing sophistication and quality. Combining impressively low power consumption and quiet yet powerful performance, these units provide a bestmatch scenario for diverse interior designs while simultaneously ensuring maximum room and energy savings.







Energy-efficient Operation

All models in the series have achieved high energy-savings rating, and are contributing to reduced energy consumption in homes, offices and a range of other settings. Offered in a variety of output capacities and installation patterns, the vast applicability promises an ideal match for any user.

Outdoor	Rank A for single connection	Compatibility								
	MUZ-EF25/35VG(H)	MXZ								
Indoor	MUZ-EF42/50VG	2F33VF	2F42VF	2F53VF	3F54VF	3F68VF	4F72VF			
MSZ-EF18VG	_	~	~	~	~	~	~			
MSZ-EF22VG	_	~	~	~	~	~	~			
MSZ-EF25VG	A +++/ A++(A++*)	~	~	~	~	~	~			
MSZ-EF35VG	A +++/ A++(A+*)		~	~	~	~	~			
MSZ-EF42VG	A++/A++			~	~	~	~			
MSZ-EF50VG	A++/A+			~	~	~	~			

Quiet Comfort All Day Long

Mitsubishi Electric's advanced "Silent Mode" fan speed setting provides super-quiet operation as low as 19dB for EF18/22/25 models for cooling. This unique feature makes the Kirigamine ZEN series ideal for use in any situation

Noise Level Human hearing limits Quiet passenger Sound of Subway car car interio Library interior (40km/h) rustling leaves (Extremely quiet) 80dB 60dB 40dB 10dB 19dB An in-company investigation

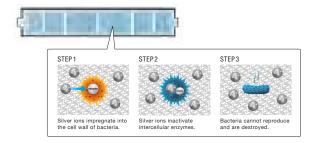
Superior Exterior and Operating Design Concept

The indoor unit of the Kirigamine ZEN keeps its amazingly thin form even during operation. The only physical change notable is the movement of the variable vent. As a result, a slim attractive look is maintained.



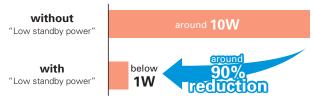
Silver-ionized Air Purifier Filter

The high performance filter is attached as standard. Captures the bacteria, pollen and other allergens in the air and neutralises them.



Low Standby Power

Electrical devices consume standby power even when they are not in actual use. While we obviously strive to reduce power consumption during actual use, reducing this wasted power that cannot be seen is also very important.



Outdoor Units for Cold Region

(25/35)

Single split-type outdoor units are available in both standard and heater-equipped units. An electric heater is installed in each unit to prevent freezing in cold outdoor environments.



MSZ-E SERIES



GOOD DESIGN AWARD 2015

reddot award 2015 winner















Outdoor Unit





MUZ-EF25/35VG(H).42VG



MUZ-EF50VG



- * Soft-dry Cloth is enclosed with Black models.
- * VGK model Wi-Fi interface built-in

























































Туре							Inverter F	leat Pump					
Indoor Ur	nit			MSZ-EF18VG(K)	MSZ-EF22VG(K)	MSZ-EF25VG(K)	MSZ-EF25VG(K)	MSZ-EF35VG(K)	MSZ-EF35VG(K)	MSZ-EF42VG(K)	MSZ-EF50VG(K)		
Outdoor l	Jnit			for MXZ c	onnection	MUZ-EF25VG	MUZ-EF25VGH	MUZ-EF35VG	MUZ-EF35VGH	MUZ-EF42VG	MUZ-EF50VG		
Refrigerar	nt			R32 ⁽¹⁾									
Power	Source			Outdoor Power supply									
Supply	Outdoor (V / Ph	ase / Hz)		230/Single/50									
	Design load	· · · · · · · · · · · · · · · · · · ·	kW	-	-	2.5	2.5	3.5	3.5	4.2	5.0		
	Annual electricity	consumption (*2)	kWh/a	-	-	96	96	139	139	186	233		
	SEER (14)			-	-	9.1	9.1	8.8	8.8	7.9	7.5		
Cooling		Energy efficiency class		_	_	A+++	A+++	A+++	A+++	A++	A++		
		Rated	kW	-	_	2.5	2.5	3.5	3.5	4.2	5.0		
	Capacity	Min-Max	kW	-	_	0.9-3.4	0.9-3.4	1.1-4.0	1,1-4,0	0.9-4.6	1.4-5.4		
	Total Input	Rated	kW	_	_	0.540	0.540	0.910	0.910	1,200	1.540		
	Design load	riaco	kW	-	-	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.2 (-10°C)		
	Design load	at reference design temperature	kW	_	_	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.2 (-10°C)		
	Declared	at bivalent temperature	kW	-	-	2.4 (-10°C) 2.4 (-10°C)	2.4 (-10°C) 2.4 (-10°C)	2.9 (-10°C) 2.9 (-10°C)	2.9 (-10°C) 2.9 (-10°C)	3.8 (-10°C)	4.2 (-10°C) 4.2 (-10°C)		
	Capacity	at operation limit temperature	kW	-	-	2.4 (-10°C) 2.0 (-15°C)	2.4 (-10°C) 1.6 (-20°C)	2.9 (-10°C) 2.4 (-15°C)	2.9 (-10°C) 1.7 (-20°C)	3.8 (-10°C) 3.4 (-15°C)	4.2 (-10°C) 3.5 (-15°C)		
	Back up heating		kW	-	-	2.0 (-15°C) 0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)		
Heating	Annual electricity		kWh/a	-	-	713	727	0.0 (-10°C) 882	. ,	1151			
(Average Season)(*5)	SCOP (*4)	consumption	kvvn/a	-					900		1304		
ocasony	SCOP			-	-	4.7	4.6	4.6	4.5	4.6	4.5		
		Energy efficiency class				A++	A++	A++	A+	A++	A+		
	Capacity	Rated	kW	-	-	3.2	3.2	4.0	4.0	5.4	5.8		
		Min-Max	kW	-	-	1.0-4.2	1.0-4.2	1.3-5.1	1.3-5.1	1.3-6.3	1.4-7.5		
	Total Input	Rated	kW	-	-	0.700	0.700	0.950	0.950	1.455	1.560		
Operating	g Current (Max)		Α	-	-	7.1	7.1	7.1	7.1	10.0	14		
	Input	Rated	kW	0.026	0.026	0.026	0.026	0.030	0.030	0.033	0.043		
	Operating Curre		Α	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4		
	Dimensions	H*W*D	mm	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195		
Indoor	Weight		kg	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5		
Unit	Air Volume (SLo-Lo-	Cooling	m³/min	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	5.8 - 6.6 - 7.7 - 8.9 - 11.2	5.8 - 6.8 - 7.9 - 9.2 - 11.		
Oille	Mid-Hi-SHi ^(*3) (Dry/Wet))	Heating	m³/min	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 12.7	4.0 - 4.6 - 6.2 - 8.9 - 12.7	5.5 - 6.3 - 7.8 - 9.9 - 13.2	6.4 - 7.2 - 9.0 - 11.1 - 14		
	Sound Level (SPL)	Cooling	dB(A)	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	21 - 24 - 30 - 36 - 42	21 - 24 - 30 - 36 - 42	28 - 31 - 35 - 39 - 43	30 - 33 - 36 - 40 - 4		
	(SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 30 - 38 - 46	21 - 24 - 30 - 38 - 46	28 - 30 - 35 - 41 - 48	30 - 33 - 37 - 43 - 4		
	Sound Level (PWL)	Cooling	dB(A)	60	60	60	60	60	60	60	60		
	Dimensions	H*W*D	mm	-	-	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285	714-800-285		
	Weight		kg	-	-	31	31	34	34	35	40		
	A: V-1	Cooling	m³/min	-	-	27.8	27.8	34.3	34.3	32.0	40.2		
	Air Volume	Heating	m³/min	-	-	29.8	29.8	32.7	32.7	32.7	40.2		
Outdoor		Cooling	dB(A)	-	-	47	47	49	49	50	52		
Unit	Sound Level (SPL)	Heating	dB(A)	-	-	48	48	50	50	51	52		
	Sound Level (PWL)		dB(A)	-	-	58	58	62	62	62	65		
	Operating Curre		A	-	-	6.8	6.8	6.8	6.8	9.6	13.6		
	Breaker Size		A	-	_	10	10	10	10	12	16		
	Diameter	Liquid/Gas	mm	_	_	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52		
Ext.	Max.Length	Out-In	m	-	-	20	20	20	20	20	30		
Piping	Max.Height	Out-In	m	-	-	12	12	12	12	12	15		
Cuarart		Cooling	°C	-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46		
Range (O	eed Operating	Heating	°C	-	-	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24		
nange (C	rutuoorj	neating			_	-10 ~ +24	-20 ~ +24	-10 ~ +24	-20 ~ +24	-10 ~ +24	-10 ~ +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 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 CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or 638 seasmelte the product yourself or product yourself and always ask a professional. The GWP of 182 is 675 in the IPCC 4th Assessment Report.

(*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) SHI: Super High

(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(*5) Please see page 51-52 for heating (warmer season) specifications.



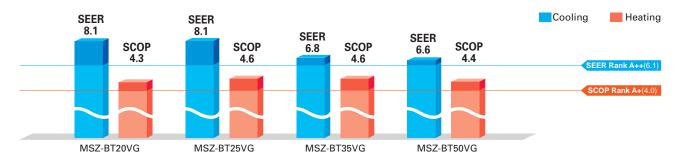
High Energy Efficiency for Entire Range of Series





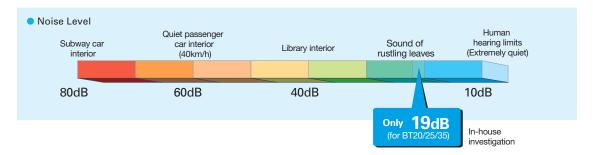


All models in the series, from the low-capacity 20 to the high-capacity 50, have achieved the "Rank A**" for SEER and size 25 and 35 have achieved the "Rank A**" for SCOP as energy-savings rating. For home use, such as in bedrooms and living rooms, to light commercial use, such as in offices, our air conditioners are contributing to reduced energy consumption in a wide range.



Quiet Operation

The indoor unit noise level is as low as 19dB for AP Series, offering a peaceful inside environment.



New Remote Controller

New stylish and compact remote controller features easy-read big display and simple button position with fundamental functions.



Built-in Wi-Fi Interface

(MSZ-BT20/25/35/50VGK)



The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit

This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.

Inverter PAM SEER AT AT MSZ-BT SERIES Indoor Unit **Outdoor Unit** Remote Controller MUZ-BT20VG MUZ-BT25/35VG MSZ-BT20/25/35/50VG(K) MUZ-BT50VG

AUTO Silver-ion SMNG SAUTO Auto Restart Cooling

Type						leat Pump						
Indoor Ur				MSZ-BT20VG(K)	MSZ-BT25VG(K)	MSZ-BT35VG(K)	MSZ-BT50VG(K)					
Outdoor				MUZ-BT20VG	MUZ-BT25VG	MUZ-BT35VG	MUZ-BT50VG					
Refrigerant				R32 ^(*)								
Power	Source			Outdoor Power supply								
Supply	Outdoor (V / Ph	ase / Hz)		230V/Single/50Hz								
	Design load	(44)	kW	2.0	2.5	3.5	5.0					
	Annual electricity	consumption (2)	kWh/a	86	108	180	265					
	SEER (*4)			8.1	8.1	6.8	6.6					
Cooling		Energy efficiency class		A++	A++	A++	A++					
	Capacity	Rated	kW	2.0	2.5	3.5	5.0					
		Min-Max	kW	0.5-2.9	0.5-3.0	0.9-3.5	1.3-5.0					
	Total Input	Rated	kW	0.450	0.700	1.240	2.050					
	Design load		kW	1.5 (-10°C)	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)					
	Declared	at reference design temperature	kW	1.5 (-10°C)	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)					
	Capacity	at bivalent temperature	kW	1.5 (-10°C)	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)					
		at operation limit temperature	kW	1.3 (-15°C)	1.7 (-15°C)	2.1 (-15°C)	3.4 (-15°C)					
Heating	Back up heating		kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)					
(Average	Annual electricity	consumption (*2)	kWh/a	487	577	727	1209					
Season)(*5)	SCOP (*4)			4.3	4.6	4.6	4.4					
		Energy efficiency class		A ⁺	A ⁺⁺	A ⁺⁺	A ⁺					
	Capacity	Rated	kW	2.5	3.15	3.6	5.4					
		Min-Max	kW	0.7-3.2	0.7-3.5	0.9-4.1	1.4-6.5					
	Total Input	-		0.550	0.750	0.930	1.550					
Operatin	g Current (Max)		Α	5.6	7.0	7.0	10.0					
	Input	Rated	kW	0.024	0.024	0.031	0.037					
	Operating Current(Max)		Α	0.25	0.25	0.31	0.35					
	Dimensions	Dimensions H*W*D		280-838-235	280-838-235	280-838-235	280-838-235					
	Weight		kg	9	9	9	9					
Indoor Unit	Air Volume (Lo-Mid-	Cooling	m³/min	4.2 - 5.2 - 6.8 - 8.7 - 10.9	4.2 - 5.2 - 6.8 - 8.7 - 10.9	4.2 - 5.2 - 6.8 - 8.7 - 13.2	6.3 - 7.6 - 9.0 - 11.0 - 13.2					
Oille	Hi-SHi ^(*3) (Dry/Wet))	Heating	m³/min	4.2 - 5.0 - 6.8 - 9.0 - 11.9	4.2 - 5.0 - 6.8 - 9.0 - 11.9	4.2 - 5.0 - 6.8 - 9.0 - 11.9	6.0 - 7.8 - 9.9 - 11.9 - 14.1					
	Sound Level (SPL)	Cooling	dB(A)	19 - 22 - 30 - 37 - 43	19 - 22 - 30 - 37 - 43	19 - 22 - 31 - 38 - 46	29 - 33 - 36 - 40 - 46					
	(Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	20 - 23 - 30 - 37 - 43	20 - 23 - 30 - 37 - 43	20 - 23 - 30 - 37 - 44	29 - 33 - 38 - 43 - 48					
	Sound Level (PWL)	Cooling	dB(A)	57	57	60	60					
	Dimensions	H*W*D	mm	538-699-249	538-699-249	538-699-249	550-800-285					
	Weight		kg	23	24	24	35					
	Air Volume	Cooling	m³/min	30.3	32.2	32.2	30.4					
0.44	All Volume	Heating	m³/min	30.3	32.2	34.6	32.7					
Outdoor Unit	Sound Level (SPL)	Cooling	dB(A)	50	50	52	50					
Oille	Soulid Level (SPL)	Heating	dB(A)	50	50	52	51					
	Sound Level (PWL)	Cooling	dB(A)	63	63	64	64					
		Operating Current (Max)		5.3	6.7	6.7	9.6					
	Breaker Size		Α	10	10	10	12					
F. A	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7					
Ext. Piping	Max.Length	Out-In	m	20	20	20	20					
. iping	Max.Height	Out-In	m	12	12	12	12					
Guarante	eed Operating	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46					
Range (C	Outdoor)	Heating	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24					

⁽¹⁾ Refigerant 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 CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or 6482 is 675 in the IPCC 4th Assessment Report.

(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) SHI: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 51-52 for heating (warmer season) specifications.

MSZ-HR SERIES

Compact, high-performance indoor and outdoor units with R32 that is low global warming potential compared with the current refrigerant R410A contribute to room comfort and to prevent global warming.



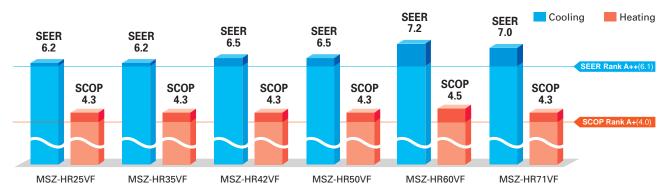
"Rank A++/A+" Energy Savings Achieved for Entire Range of Series







All models in the series, from capacity 25 to 71, have achieved the "Rank A**" for SEER and "Rank A*" for SCOP as energy-savings rating, thanks to Mitsubishi Electric's inverter technologies which are adopted to provide automatic adjustment of operation load according to need.



Simple and Friendly Design

The round front surface provides a simple and friendly impression. And the width of indoor unit is compact, making installation in smaller, tighter spaces possible.



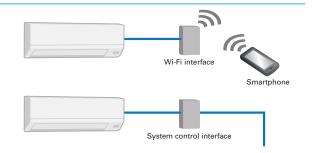
Wi-Fi and System Control

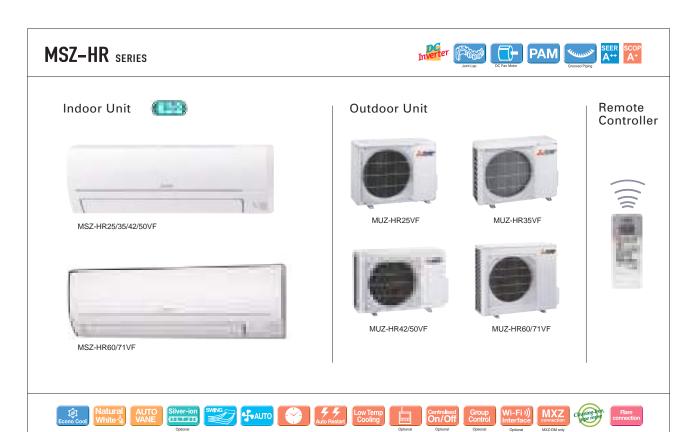
Wi-Fi Interface (Optional)

Optional interface enabling users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.

System Control Interface (Optional)

- •Remote on/off operation is possible by input to the connector.
- Depending on the interface used, connecting a wired remotecontrol such as the PAR-40MAA is possible.
- •Centralised control is possible when connected to M-NET.
- *Wi-Fi Interface and System Control Interface cannot be used simultaneously.





Туре						Inverter H	leat Pump					
Indoor Ur	nit			MSZ-HR25VF	MSZ-HR35VF	MSZ-HR42VF	MSZ-HR50VF	MSZ-HR60VF	MSZ-HR71VF			
Outdoor	Unit			MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF	MUZ-HR60VF	MUZ-HR71VF			
Refrigera	nt					R3	2 ^(*1)					
Power	Source			Outdoor Power supply								
Supply	Outdoor (V / Ph	ase / Hz)		230V/Sinale/SOHz								
	Design load		kW	2.5	3.4	4.2	5.0	6.1	7.1			
		Annual electricity consumption (*2)		141	191	226	269	296	355			
	SEER (*4)			6.2	6.2	6,5	6.5	7.2	7.0			
Cooling		Energy efficiency class		A++	A++	A++	A++	A++	A++			
		Rated	kW	2.5	3.4	4.2	5.0	6.1	7.1			
	Capacity	Min-Max	kW	0.5-2.9	0.9-3.4	1.1-4.6	1,3-5.0	1.7-7.1	1.8-7.3			
	Total Input	Rated	kW	0.800	1.210	1.340	2.050	1.810	2.330			
	Design load		kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)			
		at reference design temperature	_	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)			
	Declared	at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)			
	Capacity	at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)			
leating	Back up heating		kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)			
Average			kWh/a	614	781	928	1224	1430	1755			
Season)(*5)	SCOP (*4)			4.3	4.3	4.3	4.3	4.5	4.3			
		Energy efficiency class	s	A+	A+	A+	A+	A+	A+			
		Rated	kW	3.15	3.6	4.7	5.4	6.8	8.1			
	Capacity	Min-Max	kW	0.7-3.5	0.9-3.7	0.9-5.4	1.4-6.5	1.5-8.5	1.5-9.0			
	Total Input	Rated	kW	0.850	0.975	1.300	1.550	1.810	2.440			
Operatin	g Current (Max)		Α	5.0	6.7	8.5	10.0	14.1	14.1			
	Input	Rated	kW	0.020	0.028	0.032	0.039	0.055	0.055			
	Operating Current(Max)		А	0.2	0.27	0.3	0.36	0.5	0.5			
	Dimensions	H*W*D	mm	280-838-228	280-838-228	280-838-228	280-838-228	305-923-262	305-923-262			
	Weight		kg	8.5	8.5	9	9	12.5	12.5			
ndoor Jnit	Air Volume (Lo-Mid-	Cooling	m³/min	3.6 - 5.4 - 7.2 - 9.7	3.6 - 5.6 - 7.8 - 11.7	6.0 - 8.7 - 10.8 - 13.1	6.4 - 9.2 - 11.2 - 13.1	10.4 - 12.6 - 15.4 - 19.6	10.4 - 12.6 - 15.4 - 19			
Jille	Hi-SHi ^(*3) (Dry/Wet))	Heating	m³/min	3.3 - 5.4 - 7.4 - 10.1	3.3 - 5.4 - 7.4 - 10.5	5.6 - 7.9 - 10.8 - 13.4	6.1 - 8.3 - 11.2 - 14.5	10.7 - 13.1 - 16.7 - 19.6	10.7 - 13.1 - 16.7 - 19			
	Sound Level (SPL)	Cooling	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	28 - 36 - 40 - 45	33 - 38 - 44 - 50	33 - 38 - 44 - 50			
	(Lo-Mid-Hi-SHi(*3))	Heating	dB(A)	21 - 30 - 37 - 43	21 - 30 - 37 - 44	24 - 32 - 40 - 46	27 - 34 - 41 - 47	33 - 38 - 44 - 50	33 - 38 - 44 - 50			
	Sound Level (PWL)	Cooling	dB(A)	57	60	60	60	65	65			
	Dimensions	H*W*D	mm	538-699-249	538-699-249	550-800-285	550-800-285	714-800-285	714-800-285			
	Weight		kg	23	24	34	35	40	40			
	Air Volume	Cooling	m³/min	30.3	32.2	30.4	30.4	42.8	42.8			
	Air volume	Heating	m³/min	30.3	32.2	32.7	32.7	48.3	48.3			
Outdoor Jnit	Sound Level (SPL)	Cooling	dB(A)	50	51	50	50	53	53			
	, ,	Heating	dB(A)	50	51	51	51	57	57			
	Sound Level (PWL)	Cooling	dB(A)	63	64	64	64	65	66			
	Operating Curre	nt (Max)	Α	4.8	6.4	8.2	9.6	13.6	13.6			
	Breaker Size		Α	10	10	10	12	16	16			
	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7			
Ext. Piping	Max.Length	Out-In	m	20	20	20	20	30	30			
-Birid	Max.Height	Out-In	m	12	12	12	12	15	15			
	eed Operating	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46			
Range (C	Outdoor)	Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +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 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 CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or 638 seasmelte the product yourself or product yourself and always ask a professional. The GWP of 182 is 675 in the IPCC 4th Assessment Report.

(*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) SH: Super High

(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

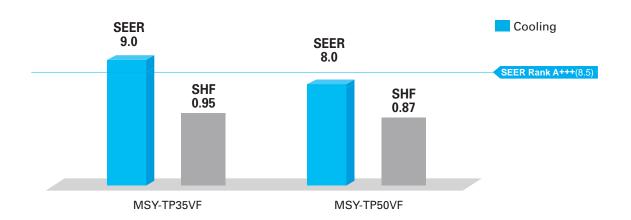
(*5) Please see page 51-52 for heating (warmer season) specifications.





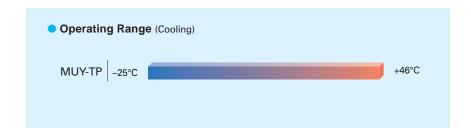
Cooling only model with high-perfomance provide high SHF in various environments thanks to wide operation range.

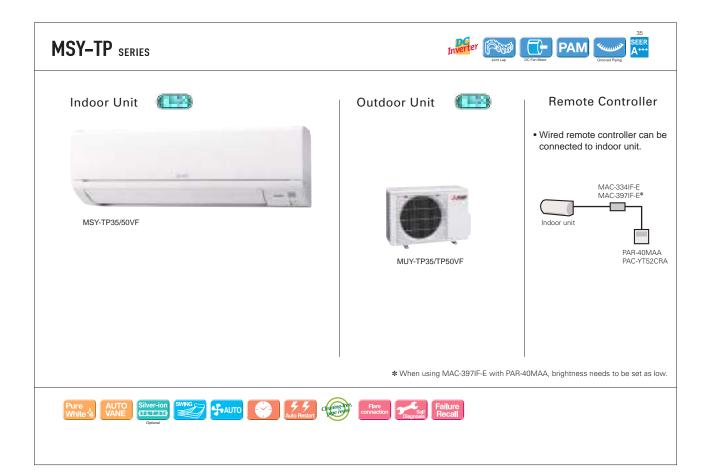
High Energy-Saving Performance with High SHF



Wide Cooling Operating Range

As a result of an extended operating range in cooling, these models accommodate a wide range of usage environments and applications.





Туре				Inverter	Heat Pump				
Indoor Un	it			MSY-TP35VF	MSY-TP50VF				
Outdoor U	Jnit			MUY-TP35VF	MUY-TP50VF				
Refrigerar	Refrigerant			R:	32(*1)				
Power Source				Indoor Power supply					
Supply	Outdoor (V/Ph	ase / Hz)		230V / Single / 50Hz					
	Design load		kW	3.5	5.0				
	Annual electricity	consumption (*2)	kWh/a	136	218				
	SEER (*4)			9.0	8.0				
Cooling	Energy efficiency class		;	A+++	A ⁺⁺				
	Capacity	Rated	kW	3.5	5.0				
	Сараспу	Min-Max	kW	1.5 - 4.0	1.5 - 5.7				
	Total Input	Rated	kW	0.760	1.450				
	Design load	,	kW	-	-				
	David	at reference design temperature	kW	-	-				
	Declared Capacity	at bivalent temperature	kW	-	-				
		at operation limit temperature	kW	-	-				
Heating	Back up heating		kW	-	-				
(Average	Annual electricity	consumption (*2)	kWh/a	-	-				
Season)(*5)	SCOP (*4)			-	-				
	Energy efficiency class		;	-	-				
	Capacity	Rated	kW	-	-				
		Min-Max	kW	-	-				
	Total Input	Rated	kW	-	-				
Operating	Current (Max)		A	9.6	9.6				
	Input	Rated	kW	0.033	0.034				
	Operating Current (Max)		A	0.4	0.4				
	Dimensions H*W*D		mm	305-923-250	305-923-250				
	Weight	Weight		12.5	12.5				
Indoor	Air Volume (Lo-Mid-	Cooling	m³/min	10.1 - 11.6 - 13.7 - 16.4	10.1 - 11.6 - 13.7 - 16.4				
Unit	Hi-SHi ^(*3) (Dry/Wet))	Heating	m³/min	-	-				
	Sound Level (SPL)	Cooling	dB(A)	31 - 36 - 40 - 45	31 - 36 - 40 - 45				
	(Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	-	-				
	Sound Level (PWL)	Cooling	dB(A)	60	60				
	Breaker Size	,	Α	10	10				
	Dimensions	H*W*D	mm	550-800-285	550-800-285				
	Weight		kg	34	34				
	Air Volume	Cooling	m³/min	29.3	29.3				
Outdoor	• • • • • • • • • • • • • • • • •	Heating	m³/min	<u> </u>	=				
Unit	Sound Level (SPL)	Cooling	dB(A)	45	47				
	' Heating		dB(A)	<u> </u>	-				
	Sound Level (PWL) Cooling		dB(A)	58	61				
	Operating Curre		A	9.2	9.2				
Ext.	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52				
Piping	Max.Length	Out-In	m	20	20				
	Max.Height	Out-In	m	12	12				
	ed Operating	Cooling	°C	-25 ~ +46	-25 ~ +46				
Range (O	utdoor)	Heating	°C	=	=				

^(*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 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 CO₂, 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.

(*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) SH: Super High

(*4) SEER and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011.





MSZ-S SERIES MSZ-G SERIES

Introducing a compact and stylish indoor unit with amazingly quiet performance. Not only are neat installations in small bedrooms possible, increase energy-savings by selecting the optimal capacity required for each room.



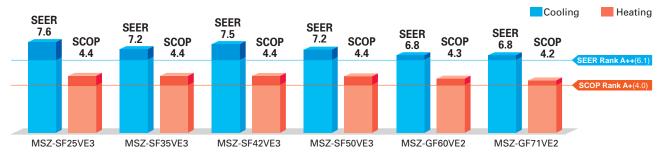
"Rank A++/A+" Energy Savings Achieved for Entire Range of Series







All models in the series, from the low-capacity 25 to the high-capacity 71, have achieved the "Rank A*" for SEER and "Rank A*" for SCOP as energy-savings rating. For home use, such as in bedrooms and living rooms, to light commercial use, such as in offices, our air conditioners are contributing to reduced energy consumption in a wide range.



Wide Line-up

Eight different indoor units (Model 15-71) are available to meet your diversified air conditioning needs.









Compact and Stylish

(MSZ-SF15/20VA)

The stylish, square indoor unit adds a touch of class to any room interior. The compact design is 64mm thinner than our previous indoor unit with the lowest output capacity (MSZ-GE22VA).

Comparison with our previous model GE





Family Design

(MSZ-SF15/20/25/35/42/50)

Models in the 25-50 class are introduced as single-split units while retaining the popular design of the SF15/20VA* as indoor units exclusively for multi-systems. From small rooms to living rooms, it is possible to coordinate residences with a unified design.

*Size may vary.





"Weekly Timer"



Easily set desired temperatures and operation start/stop times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

■ Example Operation Pattern (Winter/Heating mode)

Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
		Automatically change	es to high-power opera	tion at wake-up time		
OFF	OFF	OFF	OFF	OFF	ON 18°C	ON 18°C
	Automatic		Midday is warmer, so the temperature is set lower			
ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
	Automatically turn		Automatically raises temperature setting to match time when outside-air temperature is low			
ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C
	Automa	tically lowers tempera	ture at bedtime for ene	ergy-saving operation a	t night	
	ON 20°C	ON 20°C ON 20°C OFF OFF Automatic ON 20°C ON 20°C Automatically tur ON 18°C ON 18°C	ON 20°C ON 20°C ON 20°C Automatically change OFF OFF OFF Automatically turned off during v ON 20°C ON 20°C ON 20°C Automatically turns on, synchronized wi ON 18°C ON 18°C ON 18°C	ON 20°C ON 20°C ON 20°C ON 20°C Automatically changes to high-power opera OFF OFF OFF Automatically turned off during work hours ON 20°C ON 20°C ON 20°C ON 20°C Automatically turns on, synchronized with arrival at home ON 18°C ON 18°C ON 18°C ON 18°C	ON 20°C ON 20°C ON 20°C ON 20°C Automatically changes to high-power operation at wake-up time OFF OFF OFF OFF Automatically turned off during work hours ON 20°C ON 20°C ON 20°C ON 20°C Automatically turns on, synchronized with arrival at home ON 18°C ON 18°C ON 18°C ON 18°C ON 18°C	ON 20°C ON 20°C ON 20°C ON 20°C ON 20°C ON 20°C Automatically changes to high-power operation at wake-up time OFF OFF OFF OFF OFF Automatically turned off during work hours ON 20°C ON 20°C ON 20°C ON 20°C ON 20°C Automatically turns on, synchronized with arrival at home ON 20°C ON 20°C ON 20°C ON 20°C Automatically turns on, synchronized with arrival at home

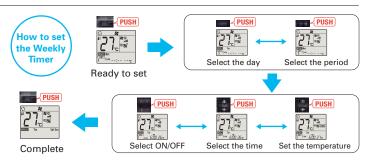
Settings

Pattern Settings: Input up to four settings for each day

Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

■ Easy set-up using dedicated buttons -

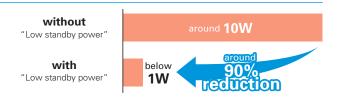




- Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired patterns into the remote controller memory. Pushing the "CANCEL button will end the set-up process without sending the operation patterns to the indoor unit)
- It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit. Please continue to point the remote controller at the indoor unit until all data has been sent.
 When "Weekly Timer" is set, temperature can not be set 10°C.

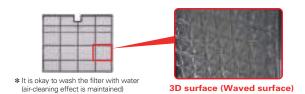
Low Standby Power

Electrical devices consume standby power even when they are not in actual use. While we obviously strive to reduce power consumption during actual use, reducing this wasted power that cannot be seen is also very important.



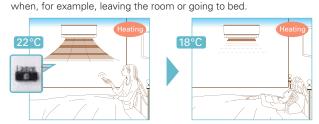
Air Purifying Filter (MSZ-SF25/35/42/50, MSZ-GF60/71)

This filter generates stable antibacterial and deodourising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Air Purifying Filter better dust collection performance than conventional filters. The superior air-cleaning effectiveness raises room comfort vet another level.



"i save" Mode

"i save" is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller. Press the same button twice in repetition to immediately return to the previous temperature setting. Using this function contributes to comfortable, waste-free operation, realising the most suitable air conditioning settings and saving on power consumption



* Temperature can be preset to 10°C when heating in the "i-save" mode.

Outdoor Units for Cold Region

Single split-type outdoor units are available in both standard and heater-equipped units. An electric heater is installed in each unit to prevent freezing in cold outdoor environments



MUZ-SF25/35/42VEH

MSZ-S SERIES



Indoor Unit







MSZ-SF15/20VA

Outdoor Unit

For MXZ Connection Only

Remote Controller







































Туре						Inverter H	leat Pump		
ndoor Ur	nit			MSZ-SF15VA	MSZ-SF20VA	MSZ-SF25VE3	MSZ-SF25VE3	MSZ-SF35VE3	MSZ-SF35VE3
Outdoor	Unit			for MXZ o	onnection	MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH
Refrigera	nt					R41	0A ^(*1)		
Power	Source					Outdoor Po	ower supply		
Supply	Outdoor (V / Ph	ase / Hz)				230/Si	ngle/50		
	Design load		kW	-	-	2.5	2.5	3.5	3.5
	Annual electricity	consumption (*2)	kWh/a	-	-	116	116	171	171
	SEER (*4)			-	-	7.6	7.6	7.2	7.2
Cooling		Energy efficiency class		-	-	A++	A++	A++	A++
		Rated	kW	-	-	2.5	2.5	3.5	3.5
	Capacity	Min-Max	kW	-	-	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8
	Total Input	Rated	kW	-	-	0.600	0.600	1.080	1.080
	Design load		kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)
		at reference design temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)
	Declared	at bivalent temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)
	Capacity	at operation limit temperature	kW	-	-	2.0(-15°C)	1.6(-20°C)	2.2(-15°C)	1.6(-20°C)
leating	Back up heating		kW	-	=	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)
Average	Annual electricity	consumption (*2)	kWh/a	-	-	764	790	923	948
eason)(*5)	SCOP (*4)			-	-	4.4	4.3	4.4	4.3
	Energy efficiency class			-	-	A+	A+	A+	A+
		Rated	kW	-	-	3.2	3.2	4.0	4.0
	Capacity	Min-Max	kW	-	-	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6
	Total Input Rated		kW	-	-	0.780	0.780	1.030	1.030
peratin	g Current (Max)		А	-	-	8.4	8.4	8.5	8.5
	Input	Rated	kW	0.017	0.019	0.024	0.024	0.027	0.027
	Operating Current(Max)		А	0.17	0.19	0.2	0.2	0.3	0.3
	Dimensions			250-760-168	250-760-168	299-798-195	299-798-195	299-798-195	299-798-195
	Weight		kg	7.7	7.7	10	10	10	10
ndoor Jnit	Air Volume (SLo-Lo-	Cooling	m³/min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9
, iii	Mid-Hi-SHi(1-3)(Dry/Wet))	Heating	m³/min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.3 - 11.0	3.0 - 4.1 - 6.7 - 8.3 - 11
	Sound Level (SPL)	Cooling	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 ⁽¹⁶⁾ - 24 - 30 - 36 - 42	19 ^(*6) - 24 - 30 - 36 - 42	19 ^(*6) - 24 - 30 - 36 - 42	19 ^(*6) - 24 - 30 - 36 - 4
	(SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 ⁽¹⁶⁾ - 24 - 34 - 39 - 45	19(16) - 24 - 34 - 39 - 45	19(*6) - 24 - 34 - 40 - 46	19(16) - 24 - 34 - 40 - 4
	Sound Level (PWL)	Cooling	dB(A)	59	60	57	57	57	57
	Dimensions	H*W*D	mm	-	-	550-800-285	550-800-285	550-800-285	550-800-285
	Weight		kg	-	-	31	31	31	31
	Air Valore	Cooling	m³/min	-	-	31.1	31.1	35.9	35.9
	Air Volume	Heating	m³/min	-	-	30.7	30.7	35.9	35.9
Outdoor Jnit	0 11 1/0-11	Cooling	dB(A)	-	=	47	47	49	49
, iii	Sound Level (SPL)	Heating	dB(A)	-	-	48	48	50	50
	Sound Level (PWL)	Cooling	dB(A)	-	-	58	58	62	62
	Operating Curre	ent (Max)	A	-	-	8.2	8.2	8.2	8.2
	Breaker Size		А	-	-	10	10	10	10
	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
xt.	Max.Length	Out-In	m	-	=	20	20	20	20
Piping	Max.Height	Out-In	m	-	-	12	12	12	12
Guarante	eed Operating	Cooling	°C	-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	ed Operating Cooling utdoor) Heating		°C	_	_	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +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 tild 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 hould be 1975 times higher than 1 kg of CO₂, 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 R410\text{is 2086 in the IPCC 4th Assessment Report.}

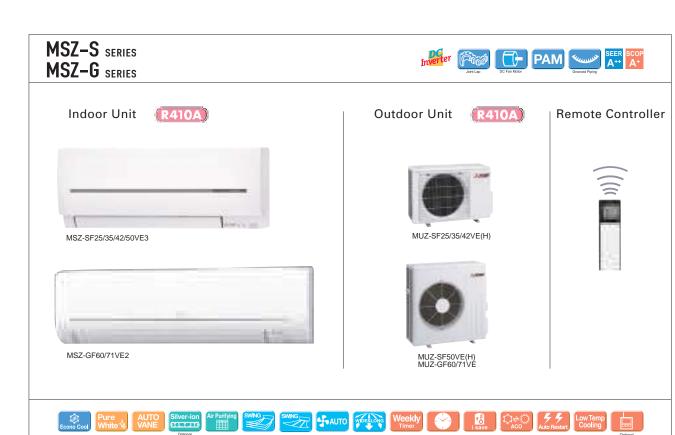
(2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) SH: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 51-52 for heating (warmer season) specifications.

(6) For single use: only 19dB(A). For multi use (MXZ): 21dB(A).



MXZ Connection Flare Connection Self Connection Self Connection Co

Туре						Inverter H	leat Pump		
ndoor Ur	nit			MSZ-SF42VE3	MSZ-SF42VE3	MSZ-SF50VE3	MSZ-SF50VE3	MSZ-GF60VE2	MSZ-GF71VE2
Outdoor	Unit			MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH	MUZ-GF60VE	MUZ-GF71VE
Refrigera	nt					R41	OA ^(*1)		
ower	Source					Outdoor Po	ower supply		
Supply	Outdoor (V/Ph	ase / Hz)				230/Si	ngle/50		
	Design load		kW	4.2	4.2	5.0	5.0	6.1	7.1
	Annual electricity	consumption (*2)	kWh/a	196	196	246	246	311	364
	SEER (*4)			7.5	7.5	7.2	7.2	6.8	6.8
Cooling		Energy efficiency class		A++	A++	A++	A++	A++	A++
	Capacity	Rated	kW	4.2	4.2	5.0	5.0	6.1	7.1
	Сараспу	Min-Max	kW	0.8-4.5	0.8-4.5	1.4-5.4	1.4-5.4	1.4-7.5	2.0-8.7
	Total Input	Rated	kW	1.340	1.340	1.660	1.660	1.790	2.130
	Design load		kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
		at reference design temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	Declared Capacity	at bivalent temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	Оараспу	at operation limit temperature	kW	3.4 (-15°C)	2.2 (-20°C)	3.4 (-15°C)	2.3 (-20°C)	3.7 (-15°C)	5.4 (-15°C)
leating	Back up heating	capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)
Average	Annual electricity	consumption (*2)	kWh/a	1215	1242	1351	1380	1489	2204
Season)(*5)	SCOP (*4)			4.4	4.3	4.4	4.3	4.3	4.2
	Energy efficiency class		;	A+	A+	A+	A+	A+	A+
	0	Rated	kW	5.4	5.4	5.8	5.8	6.8	8.1
	Capacity	Min-Max	kW	1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3	2.0-9.3	2.2-9.9
	Total Input	Rated	kW	1.580	1.580	1.700	1.700	1.810	2.230
Operatin	g Current (Max)		Α	9.5	9.5	12.3	12.3	14.5	16.6
	Input			0.027	0.027	0.035	0.035	0.062	0.058
	Operating Current(Max)		Α	0.3	0.3	0.3	0.3	0.5	0.5
	Dimensions	limensions H*W*D		299-798-195	299-798-195	299-798-195	299-798-195	325-1100-238	325-1100-238
	Weight		kg	10	10	10	10	16	16
ndoor Jnit	Air Volume (SLo-Lo-	Cooling	m³/min	4.7 - 5.8 - 6.7 - 7.9 - 9.1	4.7 - 5.8 - 6.7 - 7.9 - 9.1	5.1 - 6.2 - 7.0 - 8.2 - 9.9	5.1 - 6.2 - 7.0 - 8.2 - 9.9	9.8-11.3-13.4-15.6-18.3	9.7-11.5-13.3-15.4-17.8
	Mid-Hi-SHi ⁽¹⁻³⁾ (Dry/Wet))	Heating	m³/min	4.7 - 5.8 - 7.2 - 9.1 - 11.4	4.7 - 5.8 - 7.2 - 9.1 - 11.4	5.1 - 6.4 - 8.0 - 9.8 - 12.0	5.1 - 6.4 - 8.0 - 9.8 - 12.0	9.8-11.3-13.4-15.6-18.3	10.2-11.5-13.3-15.4-17.8
	Sound Level (SPL)	Cooling	dB(A)	26 ⁽¹⁶⁾ - 31 - 34 - 38 - 42	26 ⁽¹⁶⁾ - 31 - 34 - 38 - 42	28 ⁽¹⁷⁾ - 33 - 36 - 40 - 45	28 ⁽¹⁷⁾ - 33 - 36 - 40 - 45	29 - 37 -41 - 45 - 49	30 - 37 - 41 - 45 - 49
	(SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	26 ⁽¹⁶⁾ - 31 - 36 - 42 - 47	26 ^(*6) - 31 - 36 - 42 - 47	28 ^(*7) - 33 - 38 - 43 - 49	28 ^(*7) - 33 - 38 - 43 - 49	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49
	Sound Level (PWL)	Cooling	dB(A)	57	57	58	58	65	65
	Dimensions	H*W*D	mm	550-800-285	550-800-285	880-840-330	880-840-330	880-840-330	880-840-330
	Weight		kg	35	35	55	55	50	53
	Air Volume	Cooling	m³/min	35.2	35.2	44.6	44.6	49.2	50.1
Outdoor	All Volume	Heating	m³/min	33.6	33.6	44.6	44.6	49.2	48.2
Jutaoor Jnit	Sound Level (SPL)	Cooling	dB(A)	50	50	52	52	55	55
	,	Heating	dB(A)	51	51	52	52	55	55
	Sound Level (PWL)	Cooling	dB(A)	63	63	65	65	65	65
	Operating Curre	ent (Max)	Α	9.2	9.2	12	12	14	16.1
	Breaker Size		Α	10	10	16	16	20	20
	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35/15.88	9.52/15.88
xt. Piping	Max.Length	Out-In	m	20	20	30	30	30	30
-Bind	Max.Height	Out-In	m	12	12	15	15	15	15
Juarante	eed Operating	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
Range (C	Outdoor)	Heating	°C	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24

⁽¹⁾ Refigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming potential refigerant with higher GWP, if leaked to the atmosphere. This appliance contains a reffigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or 6 disassemble the product yourself or and always ask a professional. The GWP of P41OA is 2088 in the IPCC 4th Assessment Report.

(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) SH: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Prass see page 51-52 for heating (warmer season) specifications.

(6) For single use: only 28dB(A), For multi use (MXZ): 28dB(A).







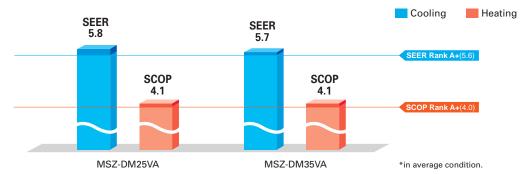
Advanced Inverter Control -Efficient Operation All the Time Inverter







Mitsubishi Electric's cutting-edge inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises an Energy Rank "A+".



Wider Cooling Operating Range

As a result of an extended operating range in cooling, these models accommodate a wider range of usage environments and applications than previous models.



Wi-Fi and System Control

Wi-Fi Interface (Optional)

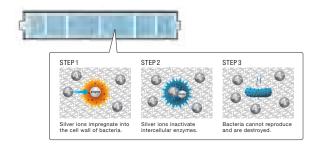
Optional interface enabling users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.

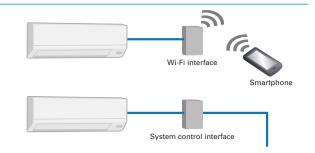
System Control Interface (Optional)

- •Remote on/off operation is possible by input to the connector.
- •Depending on the interface used, connecting a wired remotecontrol such as the PAR-40MAA is possible.
- •Centralised control is possible when connected to M-NET.
- *Wi-Fi Interface and System Control Interface cannot be used simultaneously.

Silver-ionized Air Purifier Filter

The high performance filter is attached as standard. Captures the bacteria, pollen and other allergens in the air and neutralises them.

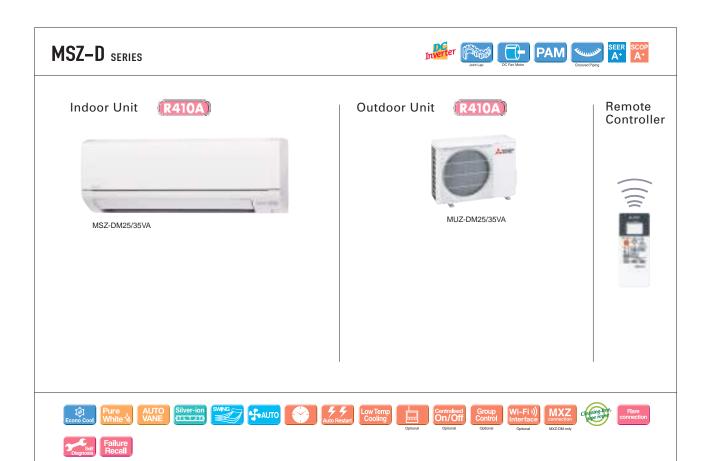




Compact Units

The width of both indoor and outdoor units are compact, making installation in smaller, tighter spaces possible.





Туре				Inverter I	Heat Pump		
ndoor Ur	nit			MSZ-DM25VA	MSZ-DM35VA		
Outdoor I				MUZ-DM25VA	MUZ-DM35VA		
lefrigera					10A ^(*1)		
ower	Source			Indoor Pc	ower supply		
upply	Outdoor (V / Ph	ase / Hz)			ingle/50Hz		
	Design load	,	kW	2.5	3.1		
	Annual electricity	consumption (*2)	kWh/a	149	190		
	SEER (*4)			5,8	5.7		
ooling		Energy efficiency class		A ⁺	A ⁺		
		Rated	kW	2.5	3.15		
	Capacity	Min-Max	kW	1.3 - 3.0	1.4 - 3.5		
	Total Input Rated		kW	0.710	1.020		
	Design load		kW	1.9 (-10°C)	2.4 (-10°C)		
		at reference design temperature	_	1.9 (-10°C)	2.4 (-10°C)		
	Declared	at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)		
	Capacity	at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)		
	Back up heating		kW	0.0 (-10°C)	0.0 (-10°C)		
eating erage	Annual electricity		kWh/a	647	809		
ason)(*5)	SCOP (*4)	consumption	KVVIII	4.1	4.1		
,	Energy efficiency class			A ⁺	A ⁺		
		Rated	kW	3.15	3.6		
	Capacity	Min-Max	kW	0.9 - 3.5	1.1 - 4.1		
	Total Input	Rated	kW	0.8-5.5	0.975		
orotin	g Current (Max)	nateu	A	5.8	6.5		
ei atiii	Input	Rated	kW	0.020	0.024		
	Operating Current(Max)		A	0.3	0.3		
	Dimensions H*W*D		mm	290-799-232	290-799-232		
	Weight	II W D	kg	9	9		
door	Air Volume (SLo-Lo-	Cooling	m³/min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 10.9		
iit	Mid-Hi-SHi ^(*3) (Dry/Wet))	Heating	m³/min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3		
		Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 45		
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 45		
	Sound Level (PWL)		dB(A)	57	60		
	Dimensions	Cooling H*W*D	1 /	57 538-699-249	538-699-249		
		IL AA D	mm	538-699-249	538-699-249		
	Weight	Cooling	kg m³/min	31.5	31.5		
	Air Volume	Heating	m³/min	31.5	31.5		
utdoor		Cooling	dB(A)	50	51.5		
nit	Sound Level (SPL)	Heating					
	Sound Level (PWL)		dB(A)	50 63	51 64		
	_ , ,		aB(A)		-		
	Operating Curre	ent (IVIAX)		5.5	6.2		
	Breaker Size	I	А	10	10		
xt.	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52		
iping	Max.Length	Out-In	m	20	20		
	Max.Height	Out-In	m	12	12		
	ed Operating	Cooling	*C	-10 ~ +46	-10 ~ +46		
lange (C	Outdoor)	Heating	°C	-10 ~ +24	-10 ~ +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 CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or Gasssemble the product yourself or product yourself and always ask a professional. The GWP of R41Oa is 2088 in the IPCO 4th Assessment Report.

(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) SH: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 51-52 for heating (warmer season) specifications.



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.



Advanced Inverter Control – Efficient Operation All the Time







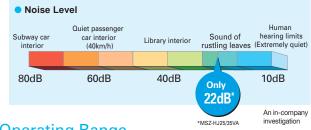




Mitsubishi Electric's cutting-edge inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises an Energy Rank "A" rating for 25/35 classes and "A*" for 50/60/71 classes.

Silent Operation

Quiet, relaxing space is within reach. Operational noise is a low 22dB (25/35 classes). Operation is so silent you might even forget the air conditioner is on.



Long Piping Length

Compared to previous models, the piping length is significantly increased, further enhancing the ease and flexibility of installation.

	MSZ-HJ60/71	MSZ-HJ25/35/50	MSZ-HC
Max piping length	30m	20m	10m
Max piping height difference	15m	12m	5m

Operating Range

As a result of an extended operating range in cooling, these models accommodate a wider range of usage environments and applications than previous models.



Compact Units

The widths of both indoor and outdoor units are compact, making installation in smaller, tighter spaces possible.

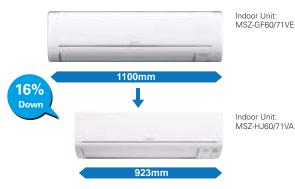
Indoor Unit: MSZ-HJ25/35/50VA

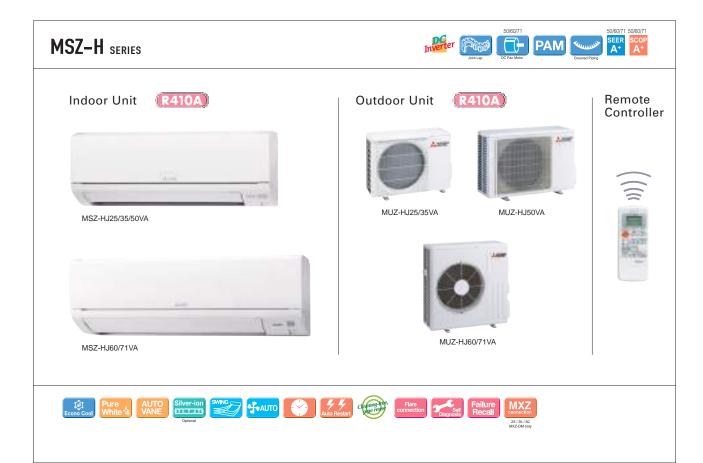


Outdoor Unit: MUZ-HJ25/35VA



Compared to other models, width is down by 16%.





Туре					Inverter Heat Pump			
Indoor Ur	nit			MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA
Outdoor l	Jnit			MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA
Refrigera	nt					R410A ^(*1)	•	
Power	Source					Indoor Power supply		
Supply	Outdoor (V/Ph	ase / Hz)				230V/Single/50Hz		
	Design load		kW	2.5	3.1	5.0	6.1	7.1
	Annual electricity	consumption (*2)	kWh/a	171	212	292	354	441
	SEER (*4)			5.1	5.1	6.0	6.0	5.6
Cooling		Energy efficiency class		A	A	A+	A+	A+
_		Rated	kW	2.5	3.15	5.0	6.1	7.1
	Capacity	Min-Max	kW	1.3 - 3.0	1.4 - 3.5	1.3 - 5.0	1.7 - 7.1	1.8 - 7.1
	Total Input	Rated	kW	0.730	1.040	2.050	1,900	2.330
	Design load		kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
	200igii iodd	at reference design temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
	Declared	at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
	Capacity	at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
	Back up heating		kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)
Heating (Average	Annual electricity		kWh/a	698	885	1267	1544	1854
Season) ^(*5)	SCOP (*4)	consumption	KVVIII	3.8	3.8	4.2	4.1	4.0
	3001	Energy efficiency class		A A	A A	4.2 A+	A+	A+
		Rated	kW	3.15	3.6	5.4	6.8	8.1
	Capacity	Min-Max	kW	0.9 - 3.5	1.1 - 4.1	1.4 - 6.5	1.5 - 8.4	1.5 - 8.5
	Total Input	Rated	kW	0.9 - 3.5	0.995	1.480	1.970	2.440
0	g Current (Max)	nateu	A	5.8	6.5	9.8	12.5	12.5
Operating	Input	Rated	kW	0.020	0.024	0.037	0.055	0.055
	Operating Curre		A	0.020	0.024	0.037	0.055	0.05
	Dimensions	H*W*D	mm	290-799-232	290-799-232	290-799-232	305-923-250	305-923-250
	Weight	H W D		9	9	290-799-232	13	13
Indoor	- 0	06	kg m³/min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 10.9	6.3 - 9.1 - 11.1 - 12.9	9.3 - 12.2 - 15.0 - 19.9	
Unit	Air Volume (SLo-Lo- Mid-Hi-SHi ^(*3) (Dry/Wet))	Cooling Heating	m³/min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.9	6.1 - 8.3 - 11.1 - 14.3	9.4 - 12.5 - 16.0 - 19.9	10.0 - 12.2 - 15.0 - 19.9 10.3 - 12.7 - 16.4 - 19.9
			_			1 1 1 1		
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi ^(*3))	Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 45	28 - 36 - 40 - 45	31 - 38 - 44 - 50	33 - 38 - 44 - 50
	, , , , , ,	Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44	27 - 34 - 41 - 47	31 - 38 - 44 - 49	33 - 38 - 44 - 49
	Sound Level (PWL)	Cooling	dB(A)	57	60	60	65	65
	Dimensions	H*W*D	mm	538-699-249	538-699-249	550-800-285	880-840-330	880-840-330
	Weight	lo r	kg m³/min	24 31.5	25 31.5	36 36.3	55 47.9	55 49.3
	Air Volume	Cooling	_					
Outdoor		Heating	m³/min	31.5	31.5	34.8	47.9	47.9
Unit	Sound Level (SPL)	Cooling	dB(A)	50	50	50	55	55
		Heating	dB(A)	50	50	51	55	55
	Sound Level (PWL)	Cooling	dB(A)	63	64	64	65	66
	Operating Curre	ent (Max)	A	5.5	6.2	9.4	12.0	12.0
	Breaker Size	1	A	10	10	12	16	16
Ext.	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7	6.35/15.88	9.52/15.88
Piping	Max.Length	Out-In	m	20	20	20	30	30
	Max.Height	Out-In	m	12	12	12	15	15
	ed Operating	Cooling	°C	+15 ~ +46	+15 ~ +46	+15 ~ +46	+15 ~ +46	+15 ~ +46
Range (O	utdoor)	Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +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 CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or Gasssemble the product yourself or product yourself and always ask a professional. The GWP of R41Oa is 2088 in the IPCO 4th Assessment Report.

(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) SH: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 51-52 for heating (warmer season) specifications.

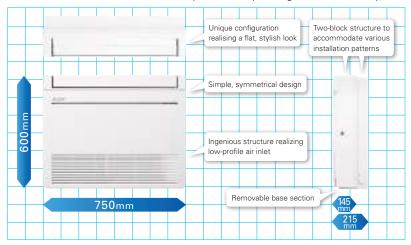
MFZ SERIES

High Capacity, Energy Savings and a Design in Harmony with Living Spaces Raise the Value of Your Room to the Next Level.



Simple, Flat Design

Uneven surfaces have been smoothed to provide a simple design with linear beauty, harmonised with all types of interiors.





New Line-up

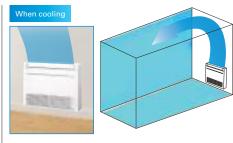
New models have been introduced to expand the line-up. The diverse selection enables the best solution for both customers and locations.

Capacity	2.5kW	3.5kW	5.0kW	6.0kW
MFZ-KJ	✓	✓	✓	
		+		
MFZ-KT	✓	✓	✓	✓

Multi-flow Vane

Three uniquely shaped vanes control the airflow and allow the freedom to customize comfort according to preferences.





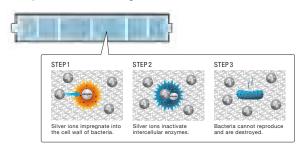
*The downward airflow is also possible as well as heating.

Weekly Timer (Introduced in response to market demand)

Temperature settings and On/Off control can be managed over a period of one week using the Weekly Timer. Up to eight setting patterns per calendar day are possible.

Silver-ionized Air Purifier Filter

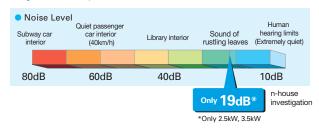
The high performance filter is attached as standard. Captures the bacteria, pollen and other allergens in the air and neutralises them.



Quiet Operation

The indoor unit noise level is as low as 19dB for MFZ Series, offering a peaceful inside environment.

*Single connection only.



MFZ-KT SERIES









Remote Controller















SUZ-M25/35VA







SUZ-M50VA







*optional







*optional





















SUZ-M60VA

















MFZ-KT25/35/50/60VG















rype					inverter		
Indoor Un	it			MFZ-KT25VG	MFZ-KT35VG	MFZ-KT50VG	MFZ-KT60VG
Outdoor L	Jnit			SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA
Refrigerar	nt			R32 ^(*1)	R32 ^(*1)	R32(*1)	R32(*1)
ower	Source			1102		wer supply	1.02
Supply	Outdoor(V/Phase/Hz)					ngle / 50	
	Design load		kW	2.5	3.5	5.0	6.1
	Annual electricity consur	nntion (*2)	kWh/a	134	185	257	343
	SEER (*4), (*5)	iiption ·	KVVII/a	6.5	6.6	6.8	6.2
oolina	JLLIN	Energy efficiency class		A++	0.0 A++	0.8 A++	A++
oomig	Camanita		110/	2.5			
	Capacity	Rated	kW		3.5	5.0	6.1
		Min-Max	kW	1.6 - 3.2	0.9 - 3.9	1.2 - 5.6	1.7 - 6.3
	Total Input	Rated	kW	0.62	1.06	1.55	1.84
	Design load		kW	2.2	2.6	4.3	4.6
	Declared Capacity	at reference design temperature		2.0 (-10°C)	2.3 (-10°C)	3.5 (-10°C)	4.1 (-10°C)
		at bivalent temperature	kW	2.0 (-7°C)	2.3 (-7°C)	3.9 (-7°C)	4.1 (-7°C)
		at operation limit temperature	kW	2.0 (-10°C)	2.3 (-10°C)	3.5 (-10°C)	4.1 (-10°C)
eating	Back up heating capacity		kW	0.2	0.3	0.8	0.5
Average	Annual electricity consur	mption ^(*2)	kWh/a	732	825	1423	1568
eason)	SCOP (*4), (*5)			4.2	4.4	4.2	4.1
		Energy efficiency class		A ⁺	A ⁺	A ⁺	A ⁺
	Capacity	Rated	kW	3.4	4.3	6.0	7.0
		Min-Max	kW	1.3 - 4.2	1.1 - 5.0	1.5 - 7.2	1.6 - 8.0
	Total Input	Rated	kW	0.91	1.26	1.86	2.18
perating	g Current (Max)		Α	7.0	8.7	14.0	15.4
	Input	Rated	kW	0.020 / 0.024	0.020 / 0.024	0.037 / 0.052	0.063 / 0.059
	Operating Current(Max)		Α	0.20	0.20	0.45	0.55
	Dimensions H*W*D		mm	600-750-215	600-750-215	600-750-215	600-750-215
	Weight		kg	14.5	14.5	14.5	15.0
idoor	Air Volume	Cooling	m3/min	3.9 - 4.8 - 6.5 - 7.8 - 8.9	3.9 - 4.8 - 6.5 - 7.8 - 8.9	5.6 - 6.7 - 8.6 - 10.4 - 12.3	5.6 - 8.0 - 9.6 - 12.3 - 15.
nit	(SLo-Lo-Mid-Hi-SHi (*3))	Heating	m3/min	3.5 - 4.0 - 5.6 - 7.3 - 9.7	3.5 - 4.0 - 5.6 - 7.3 - 9.7	6.0 - 7.7 - 9.4 - 11.6 - 14.0	6.0 - 7.7 - 9.7 - 12.5 - 14.0
	Sound Level (SPL)	Cooling	dB(A)	19 - 24 - 31 - 37 - 41	19 - 24 - 31 - 37 - 41	28 - 32 - 37 - 42 - 48	28 - 36 - 40 - 46 - 53
	(SLo-Lo-Mid-Hi-SHi (*3))	Heating	dB(A)	19 - 23 - 30 - 37 - 44	19 - 23 - 30 - 37 - 44	29 - 35 - 40 - 44 - 49	29 - 35 - 41 - 47 - 51
	Sound Level (PWL)	Cooling	dB(A)	54	54	60	65
	Dimensions	H*W*D	mm	550-800-285	550-800-285	714-800-285	880-840-300
	Weight	III W B	kg	30	35	41	54
	Air Volume	Cooling	m3/min	36.3	34.3	45.8	50.1
	All volulile		m3/min	34.6	34.3	43.7	50.1
utdoor	0 (00)	Heating	_				
nit	Sound Level (SPL)	Cooling	dB(A)	45	48	48	49
	0 11 1/8/4/13	Heating	dB(A)	46	48	49	51
	Sound Level (PWL)	Cooling	dB(A)	59	59	64	65
	Operating Current(Max)		Α	7	9	14	15
	Breaker Size		Α	10	10	16	16
xt.	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88
iping	Max.Length	Out-In	m	20	20	30	30
-Ping	Max.Height	Out-In	m	12	12	30	30
	ed Operating Range	Cooling	°C	-10 ~ +46	-10 ~ +46	-15 ~ +46	-15 ~ +46
Outdoor]		Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +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 CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or Gasssemble the product yourself and always ask a professional. The GWP of R41OA is 2088 in the IPCC 4th Assessment Report.

(*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) SHz Super High

(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(*5) SEER and SCOP are based on 2009/125/EC.Energy-related Products Directive and Regulation(EU) No.206/2012.



Introducing a new type of ceiling cassette for the Multi-Split Series with streamed interior dimensions and a sharp, sleek appearance.



Slim Design

Industry leading slim body realized a simple design with linear beauty.



Ceiling Mounted

Installing the ceiling-mounted MLZ Series unit in a room creates a more spacious feel that enhances room comfort. This overhead format is also an excellent solution when lighting equipment is installed at the centre of the room and fixtures such as book shelves are mounted on wall surfaces.



Slim Body

The new units are designed with a slim body (only 185mm high), ensuring easy installation even when low ceiling cavities limit installation space. The need for ceiling cavity service space is also eliminated, further reducing the dimensions required for installation.



Set Airflow According to Ceiling Height

Dual-level airflow selection is engineered to accommodate specific ceiling heights. This is a key feature for adjusting airflow effectively when it is either too strong or too weak due to being mismatched with the height of the ceiling.

	25	35	50
Standard	2.4m	2.4m	2.4m
High ceiling	2.7m	2.7m	2.7m

Auto Vane Control

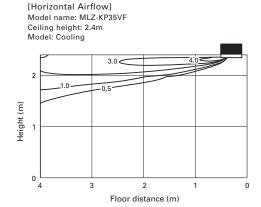
Outlet vanes can be moved left and right, and up and down using the remote controller. This improved airflow control feature solves the problem of drafts.

Up and Down Left and Right

*Only available when Econo Cool is set.

Horizontal Airflow

The new airflow control completely eliminates that uncomfortable drafty-feeling with the introduction of a horizontal airflow that spreads across the ceiling. The ideal airflow for offices and restaurants.



Weekly Timer Function

Easily set desired temperatures and operation ON/OFF times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

■ Example Operation Pattern (Winter/Heating mode)

	Mo	on.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	
6:00	ON	20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	
	[Automatically change	Automatically changes to high-power operation at wake-up tin				
8:00									
10:00									
15:00	O	FF	OFF	OFF	OFF	OFF	ON 18°C	ON 18°C	
14:00			Automatic	ally turned off during w	ork hours		Midday is warmer, so the temperature		
עטירו	_								
1P:00									
(8:00	ON	22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	
50:00			Automatically turi	ns on, synchronized wit	th arrival at home		Automatically raises temperature setting to match time when outside-air temperature is low		
55:00	L						Thates and when edicin	is an temperature to low	
(during sleeping hours)	ON	18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 10°C	ON 10°C	
			Automa	tically lowers temperat	ture at bedtime for en	ergy-saving operation a	t night		

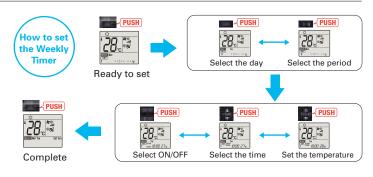
Settings

Pattern Settings: Input up to four settings for each day

Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

■ Easy set-up using dedicated buttons





- Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired patterns into the remote controller memory. Pushing the "CANCEL"
- button will end the set-up process without sending the operation patterns to the indoor unit.

 It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit. Please continue to point the remote controller at the indoor unit until all data has been sent.

Easy Installation

Industry leading Slim Body

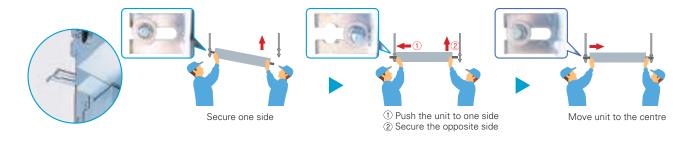
Inovative size which enables to fold the refrigerant piping above the unit



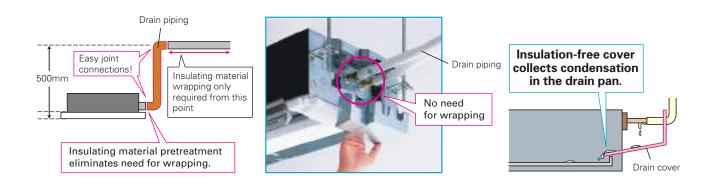
Dimension: 185(H)×1102(W)×360(D)mm

Temporary hanging hook

Work efficiency has improved during installation.

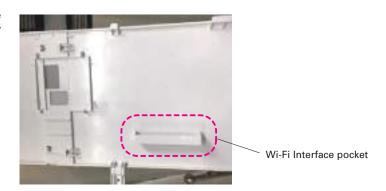


Drain Piping Supporters + Drain Cover



Wi-Fi Interface Installation (Optional)

The indoor unit panel is equipped with a Wi-Fi Interface pocket, contributing to the beautiful appearance, easy installation, and maintenance.



MLZ-KP SERIES





MLP-444W

Outdoor Unit



SUZ-M25/35VA



SUZ-M50VA

Remote Controller



Enclosed in MLZ-KP



*optional



*optional



*optional























































Туре					Inverter Heat Pump	
Indoor Uni	t			MLZ-KP25VF	MLZ-KP35VF	MLZ-KP50VF
Outdoor U				SUZ-M25VA	SUZ-M35VA	SUZ-M50VA
Refrigeran				002 1120 111	R32 ^(*1)	002 1100 011
	Source				Outdoor Power supply	
	Outdoor (V / Ph	ase / Hz)			230V / Single / 50Hz	
	Design load		kW	2.5	3.5	5.0
	Annual electricity	consumption (*2)	kWh/a	141	175	260
F	SEER (*4), (*5)			6.2	7.0	6.7
Cooling		Energy efficiency class		A++	A++	A++
- 1		Rated	kW	2.5	3.5	5.0
	Capacity	Min-Max	kW	1.4 - 3.2	0.8 - 3.9	1.7 - 5.6
ŀ	Total Input	Rated	kW	0.59	0.94	1.38
	Design load		kW	2.2	2.6	4.3
ľ		at reference design temperature	kW	2.0 (-10°C)	2.3 (-10°C)	3.8 (-10°C)
	Declared	at bivalent temperature	kW	2.0 (-7°C)	2.3 (-7°C)	3.8 (-7°C)
	Capacity	at operation limit temperature	kW	2.0 (-10°C)	2.3 (-10°C)	3.8 (-10°C)
doction	Back up heating		kW	0.2	0.3	0.5
	Annual electricity		kWh/a	697	791	1397
	SCOP (*4), (*5)	oonoumpuon	u	4.4	4.6	4,3
	0001	Energy efficiency class		A+	A++	4.6 A+
Ì		Rated	kW	3.2	4.1	6.0
	Capacity	Min-Max	kW	1.4 - 4.2	1.1 - 4.9	1.7 - 7.2
ŀ	Total Input	Rated	kW	0.80	1.10	1.86
	Current (Max)	riatod	A	7.2	8.9	13.9
	Input	Rated	kW	0.04	0.04	0.04
-	Operating Curre		A	0.40	0.40	0.40
	Dimensions H*W*D		mm	185-1102-360	185-1102-360	185-1102-360
-	Weight		kg	15.5	15.5	15.5
Indoor	Air Volume (SLo-Lo- Cooling		m³/min	6.0-7.2-8.0-8.8	6.0-7.3-8.4-9.4	6.0-8.3-9.8-11.4
Unit	Mid-Hi ^(*3) (Dry/Wet))	Heating	m³/min	6.0-7.0-8.2-9.2	6.0-7.7-8.8-9.9	6.0-8.8-10.3-11.8
-	Sound Level (SPL)	Cooling	dB(A)	27-31-34-38	27-32-36-40	29-36-41-47
	(SLo-Lo-Mid-Hi ^(*3))	Heating	dB(A)	26-27-34-37	29-32-36-40	26-37-42-48
-	Sound Level (PWL)	Cooling	dB(A)	52	53	59
	Dimensions	H*W*D	mm	24-1200-424	24-1200-424	24-1200-424
Panel -	Weight		kg	3.5	3.5	3.5
	Dimensions	H*W*D	mm	550-800-285	550-800-285	550-800-285
-	Weight	-	kg	30	35	41
ŀ		Cooling	m³/min	36.3	34.3	45.8
	Air Volume	Heating	m³/min	34.6	32.7	43.7
Outdoor		Cooling	dB(A)	45	48	48
Unit	Sound Level (SPL)	Heating	dB(A)	46	48	49
ŀ	Sound Level (PWL)	Cooling	dB(A)	59	59	64
	Operating Curre		A	6.8	8.5	13.5
	Breaker Size	. ,,	A	10	10	20
	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7
Ext.	Max.Length	Out-In	m	20	20	30
Pibina -	Max.Height	Out-In	m	12	12	30
	ed Operating	Cooling	°C	-10~+46	-10~+46	-15~+46
Guarante Range (O		Heating	°C	-10~+24	-10~+24	-10~+24
90 (00		r rouning	U	-10~T24	=10~T24	-10~724

^(*1) Refirigerant 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 CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or Grobal seasemble the product yourself or product yourself and always ask a professional. The GWP of FAH10A is 2088 in the IPCO 4th Assessment Report.

(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) SHI: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No.206/2012.

Specification on Warmer/Colder Condition

Туре							Inverter Heat Pump				
Indoor Ur	nit			MSZ-L	N25VG2	MSZ-LI	N35VG2	MSZ-L	N50VG2	MSZ-LN60VG2	
Outdoor I	Unit			MUZ-LN25VG2	MUZ-LN25VGHZ2	MUZ-LN35VG2	MUZ-LN35VGHZ2	MUZ-LN50VG2	MUZ-LN50VGHZ	MUZ-LN60VG	
Refrigera	nt				R32 (³⁾						
			kW	2.5	2.5	3.5	3.5	5	5.0	6.1	
Cooling	Annual electricity	consumption (*2)	kWh/a	83	83	129	130	205	230	285	
	SEER			10.5	10.5	9.5	9.4	8.5	7.6	7.5	
		Energy efficiency class		A+++	A+++	A+++	A+++	A+++	A++	A++	
	Design load		kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)	3.3 (2°C)	
		at reference design temperature	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)	3.3 (2°C)	
	Declared Capacity	at bivalent temperature	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)	3.3 (2°C)	
Heating	Сарасну	at operation limit temperature	kW	2.5 (-15°C)	2.3 (-25°C)	3.2 (-15°C)	3.1 (-25°C)	4.2 (-15°C)	4.7 (-25°C)	6.0 (-15°C)	
(Warmer Season)	Back up heating capacity kW			0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0(2°C)	0.0 (2°C)	
0000011	Annual electricity	Annual electricity consumption (*2) kWh/a			382	431	467	602	779	779	
	SCOP			6.4	6.6	6.5	6.5	5.8	5.9	5.9	
		Energy efficiency class		A+++	A+++	A+++	A+++	A+++	A+++	A+++	
	Design load		kW	_	4.7 (-22°C)	_	5.9 (-22°C)	_	8.8 (-22°C)	_	
		at reference design temperature	kW	-	2.6 (-22°C)	_	3.4 (-22°C)	_	5.1 (-22°C)	_	
	Declared Capacity	at bivalent temperature	kW	-	3.2 (-10°C)	_	4.0 (-10°C)	-	6.0 (-10°C)	-	
Heating	Capacity	at operation limit temperature	kW	-	2.3 (-25°C)	-	3.1 (-25°C)	-	4.7 (-25°C)	-	
(Colder Season)	Back up heating	capacity	kW	_	2.1 (-22°C)	-	2.5 (-22°C)	-	3.7 (-22°C)	_	
Coddon	Annual electricity	consumption (*2)	kWh/a	_	2425	-	3075	-	5340	-	
	SCOP			_	4.0	-	4.0	-	3.4	-	
		Energy efficiency class		_	A ⁺	_	A ⁺	_	A	_	

Туре					Inverter Heat Pump	
Indoor Ur	nit			MSZ-FT25VG	MSZ-FT35VG	MSZ-FT50VG
Outdoor I	Unit			MUZ-FT25VGHZ	MUZ-FT35VGHZ	MUZ-FT50VGHZ
Refrigera	nt				R32 (*3)	
	Design load		kW	2.5	3.5	5.0
Cooling	Annual electricity	consumption (*2)	kWh/a	101	142	243
	SEER			8.6	8.6	7.2
		Energy efficiency class		A+++	A+++	A++
	Design load		kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)
	Declared	at reference design temperature	kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)
	Capacity	at bivalent temperature	kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)
Heating (Warmer	Сарасну	at operation limit temperature	kW	3.0 (-25°C)	3.4 (-25°C)	3.6 (-25°C)
Season)	Back up heating capacity		kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
,	Annual electricity	consumption (*2)	kWh/a	432	527	684
	SCOP			5.8	5.8	5.5
		Energy efficiency class		A+++	A+++	A+++
	Design load		kW	4.7 (-22°C)	5.9 (-22°C)	7.4 (-22°C)
		at reference design temperature	kW	3.1 (-22°C)	3.7 (-22°C)	4.0 (-22°C)
	Declared Capacity	at bivalent temperature	kW	3.2 (-10°C)	4.0 (-10°C)	5.0 (-10°C)
Heating (Colder	Capacity	at operation limit temperature	kW	3.0 (-25°C)	3.4 (-25°C)	3.6 (-25°C)
(Colder Season)	Back up heating	capacity	kW	1.6 (-22°C)	2.2 (-22°C)	3.4 (-22°C)
	Annual electricity	consumption (*2)	kWh/a	2766	3453	4707
	SCOP			3.5	3.5	3.3
		Energy efficiency class		A	A	В

Туре									Inverter H	leat Pump				
Indoor Ur	nit			MSZ-AP20VG	ISZ-AP20VG MSZ-AP25VG MSZ-AP35VG MSZ-AP42VG MSZ-			MSZ-A	P50VG	MSZ-AP60VG(K)	MSZ-AP71VG(K)			
Outdoor	Outdoor Unit				MUZ-AP25VG	MUZ-AP25VGH	MUZ-AP35VG	MUZ-AP35VGH	MUZ-AP42VG	MUZ-AP42VGH	MUZ-AP50VG	MUZ-AP50VGH	MUZ-AP60VG	MUZ-AP71VG
Refrigera	nt							R3	2(*3)					
	Design load		kW	2.0	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0	6.1	7.1
Cooling	Annual electricity	consumption (*2)	kWh/a	81	116	116	171	171	196	196	246	246	288	345
0009	SEER			8.6	7.6	7.6	7.2	7.2	7.5	7.5	7.2	7.2	7.4	7.2
	Energy efficiency class			A+++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
	Design load		kW	1.3 (2°C)	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)	2.5 (2°C)	3.7 (2°C)
		at reference design temperature	kW	1.3 (2°C)	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)	2.5 (2°C)	3.7 (2°C)
	Declared Capacity	at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)	2.5 (2°C)	3.7 (2°C)
Heating (Warmer	Capacity	at operation limit temperature	kW	2.2 (-15°C)	2.0 (-15°C)	1.6 (-20°C)	2.2 (-15°C)	1.6 (-20°C)	3.4 (-15°C)	2.2 (-20°C)	3.4 (-15°C)	2.3 (-20°C)	3.7 (-15°C)	5.4 (-15°C)
Season)	Back up heating	capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
0000011	Annual electricity	consumption (*2)	kWh/a	350	337	337	923 / 418	417	507	507	563	563	627	891
	SCOP			5.2	5.4	5.4	5.4	5.4	5.8	5.8	5.7	5.7	5.5	5.8
		Energy efficiency class		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++

Туре					Inverter Heat Pump							
Indoor Ur	nit			MSZ-EF25VG		MSZ-EF35VG		MSZ-EF42VG	MSZ-EF50VG			
Outdoor I	Jnit			MUZ-EF25VG	MUZ-EF25VGH	MUZ-EF35VG	MUZ-EF35VGH	MUZ-EF42VG	MUZ-EF50VG			
Refrigera	Refrigerant					R3	32(*3)					
	Design load		kW	2.5	2.5	3.5	3.5	4.2	5.0			
Cooling	Annual electricity	consumption (*2)	kWh/a	96	96	139	139	186	233			
0009	SEER			9.1	9.1	8.8	8.8	7.9	7.5			
		Energy efficiency class		A+++	A+++	A+++	A+++	A++	A++			
	Design load		kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.3 (2°C)			
		at reference design temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.3 (2°C)			
	Declared Capacity	at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.3 (2°C)			
Heating	Capacity	at operation limit temperature	kW	2.0 (-15°C)	2.0 (-15°C)	2.4 (-15°C)	2.4 (-15°C)	3.4 (-15°C)	3.5 (-15°C)			
(Warmer Season)	Back up heating capacity kW		kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)			
2230011)	Annual electricity	consumption (*2)	kWh/a	311	311	398	398	489	595			
	SCOP			5.9	5.9	5.6	5.6	6.0	5.4			
		Energy efficiency class		A+++	A+++	A+++	A+++	A+++	A+++			

Туре					Inverter Heat Pump					
Indoor Ur	nit			MSZ-BT20VG	MSZ-BT25VG	MSZ-BT35VG	MSZ-BT50VG			
Outdoor	Unit			MUZ-BT20VG	MUZ-BT25VG	MUZ-BT35VG	MUZ-BT50VG			
Refrigera	nt				R3	2 (*3)				
	Design load		kW	2.0	2.5	3.5	5.0			
Cooling	Annual electricity	consumption (*2)	kWh/a	86	108	180	265			
0009	SEER			8.1	8.1	6.8	6.6			
	Energy efficiency c			A++	A++	A++	A++			
	Design load		kW	0.9 (2°C)	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)			
		At reference design temperature	kW	0.9 (2°C)	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)			
	Declared Capacity	at bivalent temperature	kW	0.9(2°C)	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)			
Heating (Warmer	Сарасну	at operation limit temperature	kW	1.3 (-15°C)	1.7 (-15°C)	2.1 (-15°C)	3.4 (-15°C)			
(warmer Season)	Back up heating	g capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)			
0000011,	Annual electricity	consumption (*2)	kWh/a	234	268	304	543			
	SCOP (*4)			5.3	5.7	5.9	5.4			
		Energy efficiency class		A+++	A+++	A+++	A+++			

Туре						Inverter F	leat Pump		
Indoor Ur	nit			MSZ-HR25VF	MSZ-HR35VF	MSZ-HR42VF	MSZ-HR50VF	MSZ-HR60VF	MSZ-HR71VF
Outdoor I	Jnit			MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF	MUZ-HR60VF	MUZ-HR71VF
Refrigera	nt					R32	(*3)		
	Design load		kW	2.5	3.4	4.2	5.0	6.1	7.1
Cooling	Annual electricity	consumption (*2)	kWh/a	141	191	226	269	296	355
0009	SEER			6.2	6.2	6.5	6.5	7.2	7.0
		Energy efficiency class		A ⁺⁺	A++	A++	A++	A++	A++
	Design load kW			1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)	2.5 (2°C)	3.0 (2°C)
		at reference design temperature	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)	2.5 (2°C)	3.0 (2°C)
	Declared Capacity	at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)	2.5 (2°C)	3.0 (2°C)
Heating (Warmer	Сарасну	at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
(warmer Season)	Back up heating	g capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
2220011)	Annual electricity	Annual electricity consumption (*2) kWh/a		289	344	427	558	640	802
	SCOP			5.3	5.2	5.2	5.2	5.4	5.2
		Energy efficiency class		A+++	A+++	A+++	A+++	A+++	A+++

Tuno							Inverter H	oot Dumm			
Type Indoor Ur				M07.0	FOCVEO.	MSZ-SF35VE3		MSZ-SF42VE3		MOZ OFFONES	
				MSZ-SF25VE3						MSZ-SF50VE3	
Outdoor	Unit			MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH	MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH
Refrigera	nt						R410)A (*1)			
	Design load		kW	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0
Cooling	Annual electricity	consumption (*2)	kWh/a	116	116	171	171	196	196	246	246
Cooming	SEER			7.6	7.6	7.2	7.2	7.5	7.5	7.2	7.2
		Energy efficiency class		A++	A++	A++	A++	A ⁺⁺	A++	A++	A++
	Design load		kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)
		at reference design temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)
	Declared Capacity	at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)
Heating	Capacity	at operation limit temperature	kW	2.0 (-15°C)	1.6 (-20°C)	2.2 (-15°C)	1.6 (-20°C)	3.4 (-15°C)	2.2 (-20°C)	3.4 (-15°C)	2.3 (-20°C)
(Warmer Season)	Back up heating	capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)				
ocason,	Annual electricity	consumption (*2)	kWh/a	337	337	923 / 418	417	507	507	563	563
	SCOP			5.4	5.4	5.4	5.4	5.8	5.8	5.7	5.7
		Energy efficiency class		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++

Туре		Inverter H	leat Pump		
Indoor Ur	nit		MSZ-GF60VE2	MSZ-GF71VE2	
Outdoor I	Unit		MUZ-GF60VE	MUZ-GF71VE	
Refrigera	nt			R41	OA (*1)
Design load kV				6.1	7.1
Cooling	Annual electrici	ty consumption (*2)	kWh/a	311	364
0009	SEER			6.8	6.8
		Energy efficiency class		A++	A++
	Design load		kW	2.5 (2°C)	3.7 (2°C)
		At reference design temperature	kW	2.5 (2°C)	3.7 (2°C)
	Declared Capacity	at bivalent temperature	kW	2.5 (2°C)	3.7 (2°C)
Heating	Capacity	at operation limit temperature	kW	3.7 (-15°C)	5.4 (-15°C)
(Warmer Season)	Back up heatii	ng capacity	kW	0.0 (2°C)	0.0 (2°C)
0000011	Annual electrici	ty consumption (*2)	kWh/a	664	963
	SCOP (*4)			5.3	5.4
		Energy efficiency class		A+++	A+++

_										
Туре							Inverter Heat Pum			
Indoor U	nit			MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA	MSZ-DM25VA	MSZ-DM35VA
Outdoor	Unit			MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA	MUZ-DM25VA	MUZ-DM35VA
Refrigera	nt						R410A (*1)			
	Design load		kW	2.5	3.1	5.0	6.1	7.1	2.5	3.1
Cooling	Annual electricity	consumption (*2)	kWh/a	171	212	292	354	441	149	190
Cooming	SEER			5.1	5.1	6.0	6.0	5.6	5.8	5.7
		Energy efficiency class		А	A	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺
	Design load		kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	2.5 (2°C)	2.9 (2°C)	1.1 (2°C)	1.3 (2°C)
		at reference design temperature	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	2.5 (2°C)	2.9 (2°C)	1.1 (2°C)	1.3 (2°C)
	Declared Capacity	at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	2.5 (2°C)	2.9 (2°C)	1.1 (2°C)	1.3 (2°C)
Heating	Capacity	at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	1.9 (-10°C)	2.4 (-10°C)
(Warmer Season)	Back up heating	capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
2220011)	Annual electricity	consumption (*2)	kWh/a	356	426	539	674	813	325	386
	SCOP			4.3	4.3	5.5	5.1	4.9	4.7	4.7
		Energy efficiency class		A ⁺	A ⁺	A+++	A+++	A++	A++	A++

⁽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 COs, 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) 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 1550. This nemens that if 1 kg of CO2, 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.









SELECTION

Series line-up consists of two types of indoor units. Choose the model that best matches room conditions.

SELECT INDOOR UNIT

Select the optimal unit and capacity required to match room construction and air conditioning requirements.







Units without Remote Controller

SLZ-M15FA (Multi split series connection only)

SLZ-M25FA

SLZ-M35FA

SLZ-M50FA

SLZ-M60FA

Panel

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller
SLP-2FA			
SLP-2FAL	✓		
SLP-2FAE		✓	
SLP-2FALE	✓	✓	
SLP-2FALM	✓		✓
SLP-2FALME	✓	✓	✓



Units without Remote Controller

SEZ-M25DA

SEZ-M35DA

SEZ-M50DA

SEZ-M60DA

SEZ-M71DA

Units with Wireless Remote Controller

SEZ-M25DAL

SEZ-M35DAL

SEZ-M50DAL

SEZ-M60DAL

SEZ-M71DAL



There is one outdoor unit for respective indoor units.







SUZ-M50VA







SUZ-M60/71VA





SUZ-KA25/35VA6



SUZ-KA50/60/71VA6

^{*} To confirm compatibility with the MXZ Series multi-type system, refer to the MXZ Series page.



SLZ-M15/25/35/50/60FA

4-way air outlets good design award 2015

Compact, lightweight ceiling cassette units with 4-way air outlets provide maximum comfort by evenly distributing airflow throughout the entire room.

New lineup

1.5kW has been introduced for multi connection. The diverse selection enables the best solution for both customer and location.

Capacity	15	25	35	50	60
SLZ-KF		✓	✓	✓	✓
SLZ-M	✓	✓	✓	✓	✓

Beautiful design

The straight-line form introduced has resulted in a beautiful square design. Its high affinity ensures the ability to blend in seamlessly with any interior. The indoor unit is an ideal match for office or store use.

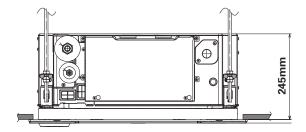
Of course, design matched 2×2 (600mm*600mm) ceiling construction specifications.



The height above ceiling of 245mm

The height above ceiling of 245mm enables fitting into narrow ceiling space. Installation is simple, even when the ceiling spaces are narrow to make the ceilings higher

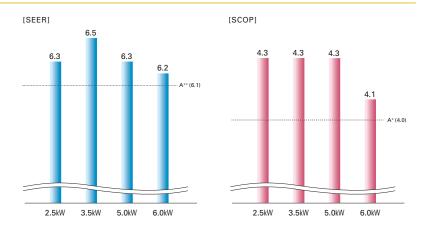
Of course, in addition to our products, replacing competitors' product is simplified too.



Energy-saving Performance*

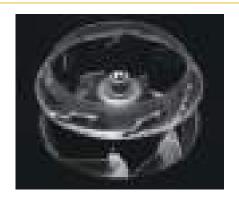
The energy-saving performance achieved A⁺⁺ in SEER and A⁺ in SCOP.

*In case of connecting with SUZ-KA-VA6



Quietness

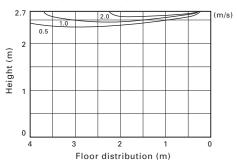
Low sound level has been realized by introduction of 3D turbo fan. New SLZ can give users quieter and move comfortable room condition.



Horizontal Airflow

The new airflow control completely eliminates that uncomfortable drafty-feeling with the introduction of a horizontal airflow that spreads across the ceiling. The ideal airflow for offices and restaurants.

[Airflow distribution]* SLZ-M60FA Flow angle,cooling at 20°C (ceiling height 2.7m)



*Vane angle: Horizontal

Easy installation

Temporary hanging hook

The structure of the panel has been revised and is now equipped with a temporary hanging hook. This has improved work efficiency during temporary panel installation.





No need to remove screws

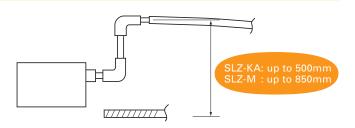
Installation is possible without removing the screws for control box simply loosen them. This eliminates the risk of losing screws.





Drain lift

As the result of using a larger drain pan, the maximum drain lifting height has been up to 850mm, greatly enhancing construction flexibility compared to the existing model.



3D i-see Sensor for S & P SERIES

Detects number of people

Room occupancy energy-saving mode

The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time in order to save air-conditioning power. When the occupancy rate is approximately 30%, air-conditioning power equivalent to 1°C during both cooling and heating operation is saved. The temperature is controlled according to the number of people.

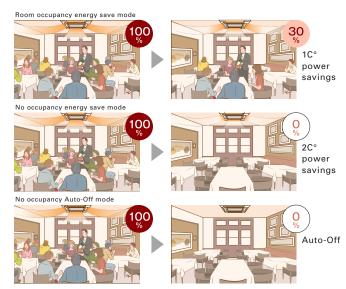
No occupancy energy-saving mode

When 3D i-see Sensor detects that no one is in the room, the system is switched to a pre-set power-saving mode. If the room remains unoccupied for more than 60min, air-conditioning power equivalent to 2°C during both cooling and heating operation is saved. This contributes to preventing waste in terms of heating and cooling.

No occupancy Auto-OFF mode*

When the room remains unoccupied for a pre-set period of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10min, ranging from 60 to 180 min.

*When MA Remote Controller is used to control multiple refrigerant systems, "No occupancy Auto-OFF mode" cannot be used.



*PAR-40MAA is required for each setting

Detects people's position

Direct/Indirect settings*

Some people do not like the feel of wind, some want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, it is possible to choose to block or not block to the wind for each vane.



*PAR-40MAA or PAR-SL100A-E is required for each setting

Seasonal airflow*

<When cooling>

Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When a pre-set temperature is reached, the air conditioning unit switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

<When heating>

The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.



*PAR-40MAA is required for each setting.

Simultaneous Multi-system*

Multiple indoor units can be installed to match the room layout, ensuring comfort and coverage of the entire room. Connection of multiple cassettes to P Series power inverter outdoor units shown below is possible.

* Only for RA410A connection

Power Inverter Combination		SLZ-M35FA	SLZ-M50FA	SLZ-M60FA
PUZ-ZM71VHA		Twin	_	_
PUHZ-ZRP71VHA2	Distribution pipe	MSDD-50TR2-E MSDD-50TR-E		
PUZ-ZM100V(Y)KA		Triple	Twin	_
PUHZ-ZRP100V(Y)KA3	Distribution pipe	MSDT-111R3-E MSDT-111R-E	MSDD-50TR2-E MSDD-50TR-E	
PUZ-ZM125V(Y)KA		Quadruple	Triple	Twin
PUHZ-ZRP125V(Y)KA3	Distribution pipe	MSDF-1111R2-E MSDF-1111R-E	MSDT-111R3-E MSDT-111R-E	MSDD-50TR2-E2 MSDD-50TR-E
PUZ-ZM140V(Y)KA		Quadruple	Triple	_
PUHZ-ZRP140V(Y)KA3	Distribution pipe	MSDF-1111R2-E MSDF-1111R-E	MSDT-111R3-E MSDT-111R-E	_

SLZ-M SERIES

















Panel

With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller
~		
	✓	
✓	✓	
✓		✓
✓	✓	✓

Outdoor Unit







Remote Controller









Enclosed in SLP-2FALM/SLP-2FALME

*optional *optional







































Туре						Inverter Heat Pump		
Indoor Ur	nit			SLZ-M15FA	SLZ-M25FA	SLZ-M35FA	SLZ-M50FA	SLZ-M60FA
Outdoor I	Jnit			for Multi connection	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA
Refrigera	nt					R32*1		
Power	Source					Outdoor power supply		
Supply	Outdoor (V/Phase/H	z)				230 / Single / 50		
Cooling	Capacity	Rated	kW	-	2.5	3.5	4.6	5.7
		Min - Max	kW	-	1.4 - 3.2	0.7 - 3.9	1.0 - 5.2	1.5 - 6.3
	Total Input	Rated	kW	-	0.65	1.09	1.35	1.67
	Design Load		kW	-	2.5	3.5	4.6	5.7
	Annual Electricity Co	onsumption*2	kWh/a	-	139	183	253	321
	SEER*3			-	6.3	6.7	6.3	6.2
		Energy Efficiency Class		-	A++	A++	A++	A++
Heating	Capacity	Rated	kW	-	3.2	4.0	5.0	6.4
(Average		Min - Max	kW	-	1.3 - 4.2	1.0 - 5.0	1.3 - 5.5	1.6 - 7.3
Season)	Total Input	Rated	kW	-	0.88	1.07	1.56	2.13
	Design Load			-	2.2	2.6	3.6	4.6
	Declared Capacity	at reference design temperature	kW	-	2.0 (-10°C)	2.3 (-10°C)	3.2 (-10°C)	4.1 (-10°C)
		at bivalent temperature	kW	-	2.0 (-7°C)	2.3 (-7°C)	3.2 (-7°C)	4.1 (-7°C)
		at operation limit temperature	kW	-	- 2.0 (–10°C)		3.2 (-10°C)	4.1 (-10°C)
	Back Up Heating Cap	pacity	kW	-	0.2	0.3	0.4	0.5
	Annual Electricity Co	onsumption*2	kWh/a	-	716	843	1191	1559
	SCOP*3			-	4.3	4.3	4.2	4.1
		Energy Efficiency Class		-	A+	A+	A+	A+
Operatin	g Current (max)		Α	-	7.0	8.7	13.7	15.1
Indoor	Input	Rated	kW	0.02	0.02	0.02	0.03	0.04
Unit	Operating Current (n		Α	0.17	0.20	0.24	0.32	0.43
	Dimensions <panel></panel>	$H \times W \times D$	mm	245-570-570 <10-625-625>	245-570-570 <10-625-625>	245-570-570 <10-625-625>	245-570-570 <10-625-625>	245-570-570 <10-625-625>
	Weight <panel></panel>		kg	15 <3>	15 <3>	15 <3>	15 <3>	15 <3>
	Air Volume [Lo-Mid-H	li]	m³/min	6.0 - 6.5 - 7.0	6.5 - 7.5 - 8.5	6.5 - 8.0 - 9.5	7.0 - 9.0 - 11.5	7.5 - 11.5 - 13.0
	Sound Level (SPL) [L	o-Mid-Hi]	dB(A)	24 - 26 - 28	25 - 28 - 31	25 - 30 - 34	27 - 34 - 39	32 - 40 - 43
	Sound Level (PWL)		dB(A)	45	48	51	56	60
	Dimensions	$H \times W \times D$	mm	-	550 - 800 - 285	550 - 800 - 285	714 - 800 - 285	880 - 840 - 330
Unit	Weight		kg	-	30	35	41	54
	Air Volume	Cooling	m³/min	-	36.3	34.3	45.8	50.1
		Heating	m³/min	-	34.6	32.7	43.7	50.1
	Sound Level (SPL)	Cooling	dB(A)	-	45	48	48	49
		Heating	dB(A)	-	46	48	49	51
	Sound Level (PWL)	Cooling	dB(A)	-	59	59	64	65
	Operating Current (n	nax)	А	-	6.8	8.5	13.5	14.8
	Breaker Size		А	-	10	10	20	20
Ext.	Diameter	Liquid / Gas	mm	-	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88
Piping	Max. Length	Out-In	m	-	20	20	30	30
	Max. Height	Out-In	m	_	12	12	30	30
	ed Operating Range	Cooling	°C	-	-10~+46	-10~+46	-15~+46	-15~+46
[Outdoor]		Heating	°C	-	-10~+24	-10~+24	-10~+24	-10~+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 CO2, 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 R410A is 2088 in the IPCC 4th Assessment Report.

*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 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

SLZ-M SERIES















Panel

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller
SLP-2FA			
SLP-2FAL	✓		
SLP-2FAE		✓	
SLP-2FALE	✓	✓	
SLP-2FALM	✓		✓
SLP-2FALME	✓	✓	✓

Outdoor Unit









SUZ-KA50/60VA6

Remote Controller









Enclosed in SLP-2FALM/SLP-2FALME

*optional

*optional

*optional

























































		Inverter Heat Pump		
SLZ-M15FA	SLZ-M25FA	SLZ-M35FA	SLZ-M50FA	SLZ-M60FA
for NA Discourse Co.	CLIZ KAOEVAO	CLIZ KAOEVAO	CLIZ KAEOVAO	CL17 KA 00 KA 0

Number	Indoor Ur	nit			SLZ-M15FA	SLZ-M25FA	SLZ-M35FA	SLZ-M50FA	SLZ-M60FA
Power Pow	Outdoor l	Jnit			for Multi connection	SUZ-KA25VA6	SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6
Supply Cooling Capacity Cooling Capacity Ca	Refrigera	nt				•	R410A*1		
Capacity	Power	Source					Outdoor power supply		
Min - Max	Supply	Outdoor (V/Phase/H	z)				230 / Single / 50		
Total Input	Cooling	Capacity	Rated	kW	-	2.6	3.5	4.6	5.6
Design Load			Min - Max	kW	-	1.5 - 3.2	1.4 - 3.9	2.3 - 5.2	2.3 - 6.5
Annual Electricity Consumption** Wilvis — 1.44 1.88 2.66 3.16		Total Input	Rated	kW	-	0.684	0.972	1.394	1.767
SER*3		Design Load		kW	-	2.6	3.5	4.6	5.6
Heating Capacity Rated Mr. A++		Annual Electricity Co	onsumption*2	kWh/a	-	144	188	256	316
Heating Capacity Rated KW -		SEER*3			-	6.3	6.5	6.3	6.2
New			Energy Efficiency Class		-	A++	A++	A++	A++
Total Input Rated NW - 0.886 1.108 1.158 2.278		Capacity	Rated	kW	-	3.2	4.0	5.0	6.4
Position Hated KW - 0.8886 1.108 1.568 2.278			Min - Max	kW	-	1.3 - 4.2	1.7 - 5.0	1.7 - 6.0	2.5 - 7.4
Declared Capacity at reference design temperature kW - 2.0 (-10°C) 2.3 (-10°C) 3.2 (-10°C) 4.0 (-10°C)	Season)	Total Input	Rated	kW	-	0.886	1.108	1.558	2.278
A bivalent temperature KW - 2.0 (-7°C) 2.3 (-7°C) 3.2 (-7°C) 4.0 (-7°C)		Design Load	•	kW	-	2.2	2.6	3.6	4.6
Section Sec		Declared Capacity	at reference design temperature	kW	-	2.0 (-10°C)	2.3 (-10°C)	3.2 (-10°C)	4.0 (-10°C)
Back Up Heating Capacity			at bivalent temperature	kW	-	2.0 (-7°C)	2.3 (-7°C)	3.2 (-7°C)	4.0 (-7°C)
Annual Electricity Consumption **2 KWh/a			at operation limit temperature	kW	-	2.0 (-10°C)	2.3 (-10°C)	3.2 (-10°C)	4.0 (-10°C)
SCOP*3		Back Up Heating Cap	pacity	kW	-	0.2	0.3	0.4	0.4
Part		Annual Electricity Co	onsumption*2	kWh/a	-	716	845	1172	1572
Operating Current (max)		SCOP*3			-	4.3	4.3	4.3	4.1
Induct Induct Induct Induct Rated			Energy Efficiency Class		-	A+	A+	A+	A+
Unith Dimensions Carent (max) A 0.17 0.20 0.24 0.32 0.43 Dimensions cPanels H × W × D mm 245-570-570 <10-625-6255	Operatin	g Current (max)		Α	-	7.2	8.4	12.3	14.4
Piperaling Surient (minar)		Input Rated			0.02	0.02	0.02	0.03	0.04
Weight <panel></panel>	Unit	Operating Current (r	nax)	Α	0.17	0.20	0.24	0.32	0.43
Air Volume (Lo-Mid-Hi)		Dimensions <panel></panel>	$H \times W \times D$	mm	245-570-570 <10-625-625>	245-570-570 <10-625-625>	245-570-570 <10-625-625>	245-570-570 <10-625-625>	245-570-570 <10-625-625>
Sound Level (SPL) [Lo-Mid-Hi]		Weight <panel></panel>		kg	15 <3>	15 <3>	15 <3>	15 <3>	15 <3>
Sound Level (PWL)		Air Volume [Lo-Mid-H	fi]	m³/min	6.0 - 6.5 - 7.0	6.5 - 7.5 - 8.5	6.5 - 8.0 - 9.5	7.0 - 9.0 - 11.5	7.5 - 11.5 - 13.0
Outdoor Unit Unit Unit Unit Unit Unit Unit Unit		Sound Level (SPL) [L	o-Mid-Hi]	dB(A)	24 - 26 - 28	25 - 28 - 31	25 - 30 - 34	27 - 34 - 39	32 - 40 - 43
Unit Weight kg - 30 35 54 50 Air Volume Cooling Heating m³/min - 32.6 36.3 44.6 40.9 Sound Level (SPL) Cooling Heating dB(A) - 47 49 52 55 Heating dB(A) - 48 50 52 55 Sound Level (PWL) Cooling dB(A) - 58 62 65 65 Operating Current (max) A - 7.0 8.2 12.0 14.0 Breaker Size A - 10 10 20 20 Ext. Piping Max. Length Out-In m - 6.35/9.52 6.35/9.52 6.35/12.7 6.35/15.88 Max. Height Out-In m - 20 20 30 30 Guaranteed Operating Range Cooling °C - -10 ~ +46 -10 ~ +46 -15 ~ +46		Sound Level (PWL)		dB(A)	45	48	51	56	60
Air Volume		Dimensions	$H \times W \times D$	mm	-	550 - 800 - 285	550 - 800 - 285	880 - 840 - 330	880 - 840 - 330
Heating m³/min -	Unit	Weight		kg	-	30	35	54	50
Sound Level (SPL) Cooling dB(A) - 47 49 52 55		Air Volume	Cooling	m³/min	-	32.6	36.3	44.6	40.9
Heating dB(A) - 48 50 52 55			Heating	m³/min	-	34.7	34.8	44.6	49.2
Sound Level (PWL) Cooling dB(A) - 58 62 65 65		Sound Level (SPL)	Cooling	dB(A)	-	47	49	52	55
Operating Current (max)			Heating	dB(A)	-	48	50	52	55
Breaker Size		Sound Level (PWL)	Cooling	dB(A)	-	58	62	65	65
Ext. Piping Diameter Liquid / Gas mm - 6.35/9.52 6.35/9.52 6.35/12.7 6.35/15.88 Piping Max. Length Max. Length Max. Height Out-In m - 20 20 30 30 Max. Height Out-In m - 12 12 30 30 Guaranteed Operating Range Cooling °C - -10 ~ +46 -10 ~ +46 -15 ~ +46 -15 ~ +46		Operating Current (n	nax)	Α	-	7.0	8.2	12.0	14.0
Piping Max. Length Out-In m - 20 20 30 30 Max. Height Out-In m - 12 12 12 30 30 Guaranteed Operating Range Cooling ℃ - -10 ~ +46 -10 ~ +46 -15 ~ +46 -15 ~ +46		Breaker Size		Α	-	10	10	20	20
Max. Height Out-In m - 12 12 30 30		Diameter	Liquid / Gas	mm	-	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88
Guaranteed Operating Range Cooling ℃ - -10 ~ +46 -10 ~ +46 -15 ~ +46 -15 ~ +46	Piping	Max. Length	Out-In	m	_	20	20	30	30
10 14 14		Max. Height	Out-In	m	_	12	12	30	30
[Outdoor] Heating C10~+24 -10~+24 -10~+24 -10~+24			Cooling	°C	-	-10 ~ +46	-10 ~ +46	-15 ~ +46	-15 ~ +46
	[Outdoor]		Heating	°C	-	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +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 CO₂, 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 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

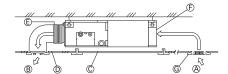




This concealed ceiling-mounted indoor unit series is compact, and fits easily into rooms with lowered ceilings. Highly reliable energy-saving performance makes it a best match choice for concealed unit installations.

Compact Ceiling-concealed Units

Only the intake-air grille and outlet vents are visible when using this ceiling-concealed indoor unit. The rest of the unit is conveniently hidden in the ceiling cavity, essentially leaving the ceiling and walls free of bulky looking devices and maintaining a high-class interior décor. The compact units require minimal space and can be installed in buildings with lowered ceilings, where exposed units were the rule in the past.



- Air inlet
- Air outlet
- © Access door
 © Ceiling surface
 © Canvas duct
- Air filter © Inlet grille

Selection of Fan Speeds and Static Pressure Levels

DC fan motor settings have been increased to accommodate more application needs. Three fan speed settings (Low, Medium and High) and four static pressure levels (5, 15, 35 and 50Pa) are now available.

SEZ-M25-71DA(L) 5/15/35/50 Pa

Four Levels Available for All Models

We've lowered the minimum static pressure level, resulting in less room noise when the optimum static pressure is selected.

	SPL (Low Fan Mode)
	SEZ-M
External Static Pressure	15 Pa
35	23dB
50	30dB
60	30dB
71	30dB

Drain Pump (Optional)

The PAC-KE07DM-E drain pump is now available as an option.

With the pump, a drain hose length of up to 550mm can be used, adding to increased installation possibilities.

SEZ-M SERIES























SEZ-M25/35/50/60/71DA (Requires Wired Remote Controller) SEZ-M25/35/50/60/71DAL (Wireless Remote Controller is enclosed)

Outdoor Unit



SUZ-M25/35VA





Remote Controller







Enclosed in SEZ-M DAL

*optional (for SEZ-M DA)

*optional (for SEZ-M DA)

*optional (for SEZ-M DA)



































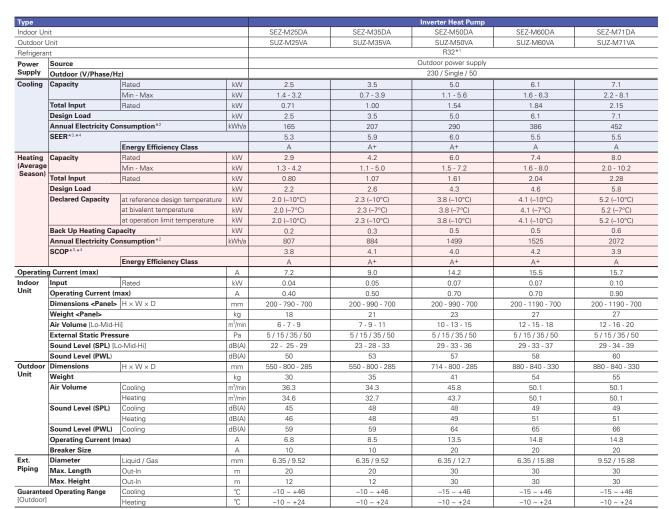












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The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

*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 SEER/SCOP are measured at ESP 35Pa.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

SEZ-M SERIES













Indoor Unit





SEZ-M25/35/50/60/71DA (Requires Wired Remote Controller) SEZ-M25/35/50/60/71DAL (Wireless Remote Controller is enclosed)

Outdoor Unit





R410A



SUZ-KA50/60/71VA6

Remote Controller







*optional (for SEZ-M DA)



*optional (for SEZ-M DA)



*optional (for SEZ-M DA)





















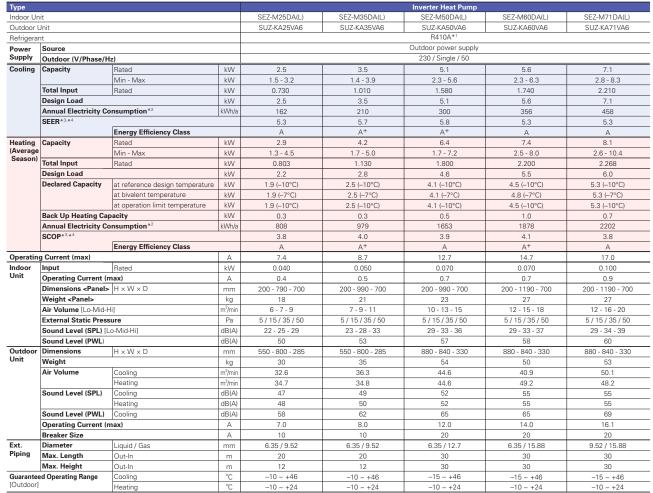












^{*1} Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that 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 CO2, 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 R410A is 2088 in the IPCC 4th Assessment Report.

*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 SEER/SCOP are measured at ESP 35Pa.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.







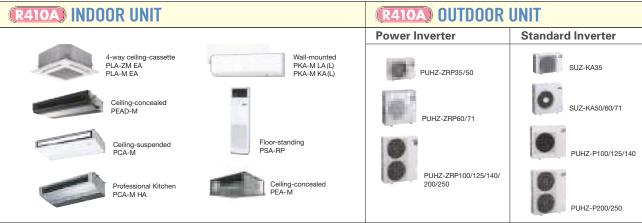


SELECTION

Line-up includes a selection of eight indoor units and four series of outdoor units. Easily construct a system that best matches room air conditioning needs.

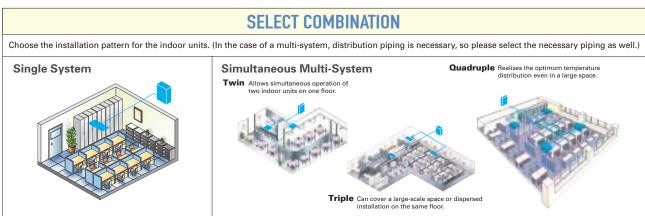


* Some indoor units cannot be used with this unit.



To confirm compatibility with the MXZ Series, refer to the MXZ Series page.

* Some indoor units cannot be used with this unit.



Connectable Combinations for Inverter Units

		Indoor Unit Capacity	
Outdoor Unit Capacity	Twin 50 : 50	Triple 33 : 33 : 33	Quadruple 25 : 25 : 25 : 25
71	35 × 2	_	_
100	50 × 2	_	_
125	60 × 2	_	_
140	71 × 2	50 × 3	_
200	100 × 2	60 × 3	50 × 4
250	125 × 2	71 × 3	60 × 4
Distribution Pipe	MSDD-50TR-E MSDD-50WR-E MSDD-50TR2-E2 MSDD-50WR2-E	MSDT-111R-E MSDT-111R3-E	MSDF-1111R-E MSDF-1111R2-E

Note: The distribution pipe listed is required for simultaneous multi-systems.

Power Inverter SERIES

Our Eco-conscious Power Inverter Series is designed to achieve industry-leading seasonal chergy-efficiency throught use of New R32 refrigerant and advanced technologies.









PUZ-ZM35/50VKA

PUZ-ZM60/71VHA

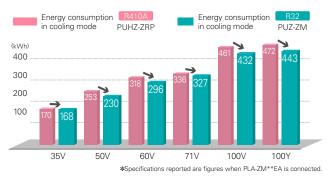
PUZ-ZM100/125/140V(Y)KA PUZ-ZM200/250YKA

Industry-leading energy efficiency

Introduction of new R32 refrigerant realises improved cooling efficiency. Rating of more than 7.0 achieved for all capacity range.



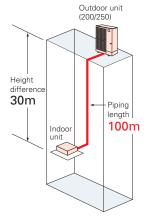
Introduction of new R32 refrigerant reduces energy consumption and realises energy savings.



Longer piping (60/71/100/125/140/200/250)

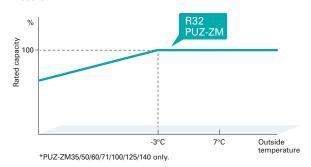
Longer piping length realised for 60, 71, 100, 125, 140, 200 and 250 classes, widely increasing installation flexibility.

	Piping Length									
	R410A PUHZ-ZRP	R32 PUZ-ZM								
35/50	50m	50m								
60/71	50m	55m								
100/125/140	75m	100m								
200/250	100m	100m								



Rated heating capacity maintained down to -3°C*

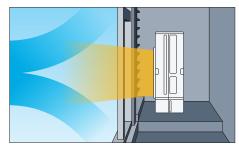
Rated heating capacity maintained even when the outside temperature is down to $-3\,^{\circ}\text{C}$. Stay warm even at times of cold weather.



30Pa external static pressure *Option (requires PAC-SJ71FM-E)

An external static pressure of 30Pa enables the outdoor unit to be installed on balconies in high-rise building or spaces near louvers.

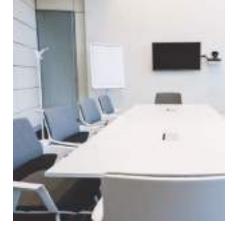




*Rated noise level will be higher when equipped with this option

Standard Inverter SERIES

Our Standard Series become light and compact with greater energy-saving performance.













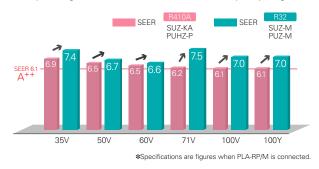
SUZ-M50VA SUZ-M60/71VA

PUZ-M100/125/140V(Y)KA PU

PUZ-M200/250YKA

Improved energy efficiency

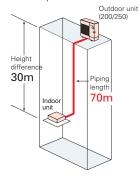
Introduction of new R32 refrigerant realises improved cooling efficiency. Rating of more than 6.6 achieved for all capacity range.



Longer piping (100/125/140/200/250)

Longer piping length realised for 100, 125, 140, 200 and 250 classes, widely increasing installation flexibility.

	Max. Piping Length								
	R410A SUZ-KA PUHZ-P	R32 SUZ-M PUZ-M							
25/35	20m	20m							
50/60/71	30m	30m							
100	50m	55m							
125/140	50m	65m							
200/250	70m	70m							



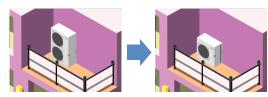
Light weight and compact size

Compact design fits into narrow outdoor unit space of condominiums and offices. Light weight design facilitates easy installation.

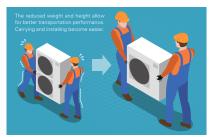


Unobstructive, compact, and easy to hide from view

Conventional outdoor units may spoil the view. Due to its compact size, the new model can be installed in locations that previous model is not suitable.



Easy transportation and installation



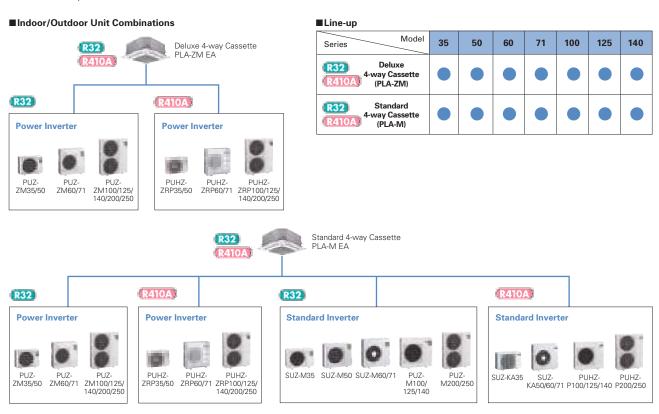


Transport efficiency improves thanks to its low height. The unit can even be transported by minivan.



Deluxe 4-way Cassette Line-up

For users seeking even further energy savings, Mitsubishi Electric now offers deluxe units (PLA-ZM) to complete the line-up of models in this series, from 35-140. Compared to the standard models (PLA-RP), deluxe models provide additional energy savings, contributing to a significant reduction in electricity costs.

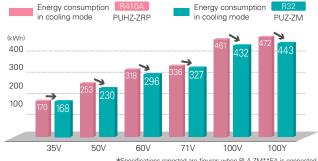


Industry-leading energy efficiency

Introduction of new R32 refrigerant realises improved cooling efficiency. Rating of more than 7.0 achieved for all capacity range.

Introduction of new R32 refrigerant reduces energy consumption and realises energy savings.

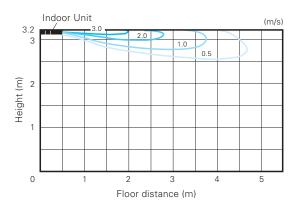




Horizontal Airflow

The new airflow control removes that uncomfortable drafty feeling with the introduction of a horizontal airflow that spreads across the ceiling. The ideal airflow for offices and restaurants.

[Horizontal airflow] Model name: PLA-ZM140EA Ceiling height: 3.2m Mode: Cooling





Automatic Grille Lowering Function (PLP-6EAJ)

An automatic grille lowering function is available for easy filter maintenance. Special wired and wireless remote controllers can be used to lower the intake grille for maintenance.



Grille Elevation Remote Controller (comes with the automatic elevation panel)



Wired Remote Controller



Wireless Remote Controller



Easy Installation

Electrical box wiring

After reviewing the power supply terminal position in the electrical box, the structure was redesigned to improve connectivity. This has made previously complex wiring work easier.





■ New model (F Series)



Increased space for plumbing work

The top and bottom positions of the liquid and gas pipes have been reversed to allow the gas pipe work, which requires more effort, to be completed first. Further, through structural innovations related to the space around the pipes, the area where the spanner can be moved has been increased, thus improving liquid pipe work and enabling it to be completed smoothly.

■ Previous model (B Series)



■ New model (E Series)



Temporary hanging hook

The structure of the panel has been revised and is now equipped with a temporary hanging hook. This has improved work efficiency during panel installation.





No need to remove screws

Installation is possible without removing the screws for the corner panel and the control box, simply loosen them. This lowers the risk of losing screws.

■ Corner panel



■ Control box cover

Lightweight decorative panel

After reviewing the structure and materials, weight has been reduced approximately 20% compared to the previous model, reducing the burden of installation.



3D F-see Sensor for S & P SERIES

Detects number of people

3D i-see Sensor detects the number of people in the room and sets the air-conditioning power accordingly. This makes automatic power-saving operation possible in places where the number of people entering and exiting is large. Additionally, when the area is continuously unoccupied, the system switches to a more enhanced power-saving mode. Depending on the setting, it will save additional capacity or stop operation altogether.

Detects people's position

Once the position of a person is detected, the duct angle of the vane is automatically adjusted in that direction. Each vane can be independently set to "block wind" or "not block wind" according to

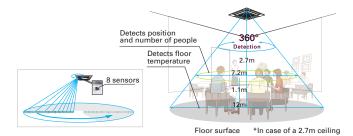


Detects number of people



Detects people's position





Detects number of people

Room occupancy energy-saving mode

The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time in order to save airconditioning power. When the occupancy rate is approximately 30%, air-conditioning power equivalent to 1°C during both cooling and heating operation is saved. The temperature is controlled according to the number of people.

No occupancy energy-saving mode

When 3D i-see Sensor detects that no one is in the room, the system is switched to a pre-set power-saving mode. If the room remains unoccupied for more than 60min, air-conditioning power equivalent to 2°C during both cooling and heating operation is saved. This contributes to preventing waste in terms of heating and cooling.

No occupancy Auto-OFF mode*

When the room remains unoccupied for a pre-set period of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10min, ranging from 60 to 180 min.

* When MA Remote Controller is used to control multiple refrigerant systems, "No occupancy Auto-OFF mode" cannot be used.

Room occupancy energy save mode No occupancy energy save mode

ccupancy Auto-Off mod



1C° power savings







*PAR-40MAA is required for each setting

Detects people's position

Direct/Indirect settings*

Some people do not like the feel of wind, some want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, it is possible to choose to block or not block to the wind for each vane



*PAR-40MAA or PAR-SL100A-E is required for each setting.

Seasonal airflow*

<When cooling>

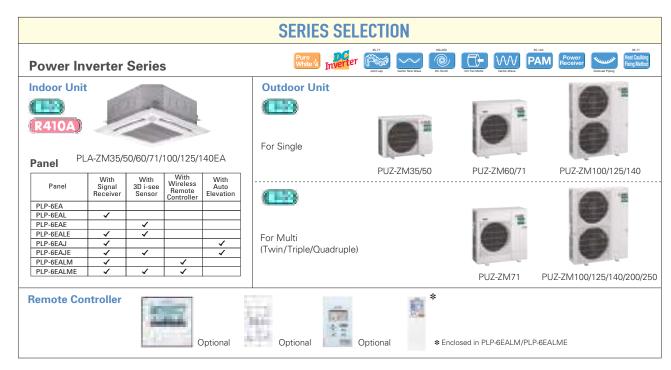
Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When a pre-set temperature is reached, the air conditioning unit switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

<When heating>

The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.



*PAR-40MAA is required for each setting.



PLA-ZM EA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Ur	nit Cap	acity								
Indoor	Indoor Unit Combination		For Single									For Twin					For Triple			For Quadruple	
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Power Inverter (PUHZ-ZRP)		50x1	60x1	71x1	100x1	125x1	140×1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe		_	_	_	_	_	-	-	-	N	ISDD-	0TR2-	-E	MS 50W		MSE	DT-111	R3-E		SDF- 1R2-E



PLA-M EA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Ui	nit Cap	acity									
Indoor	Indoor Unit Combination			For Single									For Twin					For Triple			For Quadruple	
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250	
Standa	Standard Inverter (SUZ & PUHZ-P)		50x1	60x1	71x1	100x1	125x1	140x1	-	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4	
	Distribution Pipe		-	-	-	_	-	-	-	_	_	MSD	D-50T	R2-E		DD- /R2-E	MSE	DT-111	R3-E		SDF- IR2-E	























































				Optional	Optonal	Optional	Оро	ional	Optional				
Туре								Inverter F	leat Pump				
Indoor U	nit			PLA- ZM35EA	PLA- ZM50EA	PLA- ZM60EA	PLA- ZM71EA	PLA-ZN	/100EA	PLA-ZN	1125EA	PLA-ZN	1140EA
Dutdoor	Unit			PUZ- ZM35VKA	PUZ- ZM50VKA	PUZ- ZM60VHA	PUZ- ZM71VHA	PUZ- ZM100VKA	PUZ- ZM100YKA	PUZ- ZM125VKA	PUZ- ZM125YKA	PUZ- ZM140VKA	PUZ- ZM140YK
Refrigera								R3					
ower	Source								ower supply				
Supply	Outdoor (V/Phase	/Hz)					VKA • VH	A:230 / Single /	50, YKA:400 / T	Three / 50			
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.5	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.0	6.2 - 15.
	Total Input	Rated	kW	0.705	1.106	1.452	1.651	2.065	2.065	3.378	3.378	3.722	3.722
	EER			5.10	4.52	4.20	4.30	4.60	4.60	3.70	3.70	3.60	3.60
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-	_
	Annual Electricity	Consumption*2	kWh/a	168	230	296	327	432	443	-	-	-	_
	SEER*4			7.5	7.6	7.2	7.6	7.7	7.5	-	-	-	-
		Energy Efficiency Class		A++	A++	A++	A++	A++	A++	-	-	-	-
leating	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
Average		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18
eason)	Total Input	Rated	kW	0.820	1.363	1.707	1.818	2.604	2.604	3.674	3.674	4.312	4.312
	COP			5.00	4.40	4.10	4.40	4.30	4.30	3.81	3.81	3.71	3.71
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	2.5	3.8	4.4	4.7	7.8	7.8	-	-	-	-
	Declared Capacity	at reference design temperature	kW	2.5 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	-	-	_
		at bivalent temperature	kW	2.5 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	-	-	-
		at operation limit temperature	kW	2.1 (-11°C)	3.7 (-11°C)	2.8 (-20°C)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	-	-	-	_
	Back Up Heating (kW	0	0	0	0	0	0	-	-	-	_
	Annual Electricity	Consumption*2	kWh/a	745	1083	1339	1370	2277	2277	-	-	-	-
	SCOP*4			4.7	4.9	4.6	4.8	4.8	4.8	-	-	-	_
	L	Energy Efficiency Class		Α++	A++	A++	A++	A++	A++	-	-	-	-
	g Current (max)	1=	A	13.2	13.2	19.2	19.3	27.0	8.5	27.0	10.0	28.7	13.7
ndoor Jnit	Input	Rated	kW	0.03	0.03	0.03	0.05	0.07	0.07	0.08	0.08	0.10	0.10
Jnit	Operating Current		A	0.21	0.22	0.22	0.34	0.47	0.47	0.52	0.52	0.66	0.66
	Dimensions <panel></panel>	IH × W × D	mm	258 - 84	0 - 840 <40 - 95	00 - 950>	24 <5>	26 <5>		0 - 840 <40 - 95 26 <5>		00 5	26 <5>
	Weight <panel> Air Volume [Lo-Mi2</panel>	0.8434.1131	kg	11 10 15 10	21 <5>	140 44 40 40	17-19-21-23	26 <5>	26 <5>		26 <5>	26 <5>	
	Sound Level (SPL)		m³/min	11-13-15-16	12-14-16-18	12-14-16-18	28-30-33-36	19-22-25-28	19-22-25-28	21-24-26-29	21-24-26-29	24-20-29-32	24-20-29
	Sound Level (SPL)		dB(A)	51		54	57	61	61	62	62	65	65
Jutdoor	Dimensions	H × W × D	mm		54 09 - 300		- 330 (+25)	01	01		0 - 330 (+40)	00	0.5
Juluooi Jnit	Weight	IU X AA X D	kg	46	46	70	70	116	123	1,338 - 1,05	125	118	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
	All Volume	Heating	m³/min	45	45	55	55	110	110	120	120	120	120
	Sound Level (SPL)		dB(A)	44	44	47	47	49	49	50	50	50	50
	Country Level (OF L)	Heating	dB(A)	46	46	49	49	51	51	52	52	52	52
	Sound Level (PWL)		dB(A)	65	65	67	67	69	69	70	70	70	70
	Operating Current		A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0
	Breaker Size		A	16	16	25	25	32	16	32	16	40	16
Ext.	Diameter	Liquid / Gas	mm	6.35		9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.
Piping	Max. Length	Out-In	m	50	50	55	55	100	100	100	100	100	100
-	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30	30
		Cooling*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +4
Guarante [Outdoor	eu Operating nange												

^{*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 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 CO₂, 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.
*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 Optional air protection guide is required where ambient temperature is lower than –5°C.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.





















































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	STANDAR	D IN	VERTER	

Silent























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Туре								Inverter F	leat Pump				
Indoor Unit				PLA-	PLA-	PLA-	PLA-	PLA-M100EA		PLA-M125EA		PLA-M140EA	
				M35EA	M50EA	M60EA	M71EA	PLA-IV	ITOUEA	PLA-IV	IIZSEA	PLA-IV	1140EA
Outdoor Unit				SUZ-	SUZ-	SUZ-	SUZ-	PU7-	PU7-	PU7-	PUZ-	PUZ-	PU7-
				M35VA	M50VA	M60VA	M71VA	M100VKA	M100YKA	M125VKA	M125YKA	M140VKA	M140YKA
Refrigera	int							2*1					
Power	Source		Outdoor power supply										
	Outdoor (V/Phase	/Hz)	VA • VKA:230 / Single / 50, YKA:400 / Three / 50										
	Capacity	Rated	kW	3.6	5.5	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
Cooming	oupdoity	Min - Max	kW	0.8 - 3.9	1.2 - 5.6	1.6 - 6.3	2.2 - 8.1	4.0 - 10.6	4.0 - 10.6	5.8 - 13.0	5.8 - 13.0	5.8 - 14.1	5.8 - 14.1
	Total Input	Rated	kW	0.90	1.61	1.84	1.91	2.71	2.71	4.01	4.01	4.96	4.96
	EER	riatoa		4.00	3.40	3.30	3.70	3.50	3.50	3.01	3.01	2.70	2.70
	EEL Rank			-	-	-	-	-	-	-	-	-	_
	Design Load		kW	3.6	5.5	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
	Annual Electricity	Consumption*2	kWh/a	170	285	320	331	474	474	-	-	-	-
	SEER*4			7.4	6.7	6.6	7.5	7.0	7.0	-	-	-	-
Energy Efficiency Class			A++	A++	A++	A++	A++	A++	-	-	-	-	
Heating	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	13.5	13.5	15.0	15.0
(Average	' '	Min - Max	kW	1.0 - 5.0	1.5 - 7.2	1.6 - 8.0	2.0 - 10.2	2.8 - 12.5	2.8 - 12.5	4.1 - 15.0	4.1 - 15.0	4.2 - 15.8	4.2 - 15.8
Season)	Total Input	Rated	kW	0.97	1.73	1.84	2.21	3.01	3.01	3.63	3.63	4.39	4.39
	COP			4.20	3.46	3.80	3.61	3.71	3.71	3.71	3.71	3.41	3.41
		EEL Rank		-	-	-	-	-	_	-	-	-	-
	Design Load		kW	2.6	4.3	4.6	5.8	8.0	8.0	8.5	8.5	9.4	9.4
	Declared Capacity	at reference design temperature	kW	2.3 (-10°C)	3.8 (-10°C)	4.1 (-10°C)	5.2 (-10°C)	6.0 (-10°C)	6.0 (-10°C)	8.5 (-10°C)	8.5 (-10°C)	9.4 (-10°C)	9.4 (-10°C)
		at bivalent temperature	kW	2.3 (-7°C)	3.8 (-7°C)	4.1 (-7°C)	5.2 (-7°C)	7.0 (-7°C)	7.0 (-7°C)	8.5 (-10°C)	8.5 (-10°C)	9.4 (-10°C)	9.4 (-10°C)
		at operation limit temperature	kW	2.3 (-10°C)	3.8 (-10°C)	4.1 (-10°C)	5.2 (-10°C)	4.5 (-15°C)	4.5 (-15°C)	6.0 (-15°C)	6.0 (-15°C)	7.0 (-15°C)	7.0 (–15°C)
	Back Up Heating C		kW	0.3	0.5	0.5	0.6	2.0	2.0	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	774	1456	1458	1796	2428	2428	-	-	-	-
	SCOP*4			4.7	4.1	4.4	4.5	4.6	4.6	-	-	-	-
Energy Efficiency Class			A++	Α+	A+	Α+	A++	A++	-	-		-	
	ng Current (max)	-	A	8.7	13.7	15.0	15.1	20.5	12.0	27.2	12.2	30.7	12.2
Indoor Unit		Rated	kW	0.03	0.03	0.03	0.04	0.07	0.07	0.10	0.10	0.10	0.10
Oiiit	Operating Current (max)		A	0.20	0.22	0.24	0.27	0.46	0.46	0.66	0.66	0.66	0.66
			mm	19 <5>	258 - 840 - 840		21 <5>	24 <5>	298 - 84	0 - 840 <40 - 99 26 <5>	26 <5>	26 <5>	26 <5>
	Weight <panel> Air Volume [Lo-Mi2</panel>	N 4:4 LE1	kg m³/min		19 <5> 12-14-16-18	21 <5>			19-23-26-29	20 < 0>	20 <0>	20 < 0 >	24-26-29-32
	Sound Level (SPL)		dB(A)						31-34-37-40			36-39-42-44	
	Sound Level (SPL)		dB(A)	51	54	54	56	61	61	65	65	65	65
Outdoor Dimensions H × W × D mm			714-800-285		40-330	01	01		1-330 (+40)	00	0.5		
Unit	Weight		kg	35	41	54	55	76	78	84	85	84	85
	Air Volume	Cooling	m³/min	34.3	45.8	50.1	50.1	79.0	79.0	86.0	86.0	86.0	86.0
	All volume	Heating	m³/min	32.7	43.7	50.1	50.1	79.0	79.0	92.0	92.0	92.0	92.0
	Sound Level (SPL)	Cooling	dB(A)	48	43.7	49	49	51	51	54	54	55	55
	Souliu Level (SFL)	Heating	dB(A)	48	49	51	51	54	54	56	56	57	57
	Sound Level (PWL)		dB(A)	59	64	65	66	70	70	72	72	73	73
	Operating Current		A	8.5	13.5	14.8	14.8	20.0	11.5	26.5	11.5	30.0	11.5
	Breaker Size	,	A	10	20	20	20	32	16	32	16	40	16
Ext.	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	20	30	30	30	55	55	65	65	65	65
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30
Guarante	ed Operating Range		°C	-10 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46



























Optional	Optional			Optional									
	60-140V/200/250												
Silent	Ampere Limit	Rotation Back-up	Group Control	M-NET connection	СОМРО	Wi-Fi ı)) Interface	Cleaning-free,	Wiring Reuse	Drain Lift Up	Pump Down	Flare connection	Self Diagnosis	Failure Recall

Туре								Inverter F	leat Pump				
Indoor Ur	nit			PLA-	PLA-	PLA-	PLA-	DI A M	100EA	DI A M	1125EA	PLA-M	140EA
				M35EA	M50EA	M60EA	M71EA	F LA-IV	TUUEA	F LA-IV	IIZSEA	F LA-IVI	140EA
Outdoor	Unit			PUZ-	PUZ-	PUZ-	PUZ-	PUZ-	PUZ-	PUZ-	PUZ-	PUZ-	PUZ-
				ZM35VKA	ZM50VKA	ZM60VHA	ZM71VHA	ZM100VKA	ZM100YKA	ZM125VKA	ZM125YKA	ZM140VKA	ZM140YKA
Refrigera	nt						•	R3		•	•	•	
Power	Source							Outdoor po					
Supply	Outdoor (V/Phase,	/Hz)					VKA•VH	A:230 / Single /	50, YKA:400 / T	Three / 50			
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
Ū		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.5	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.0	6.2 - 15.0
	Total Input	Rated	kW	0.751	1.175	1.523	1.716	2.084	2.084	3.399	3.399	3.746	3.746
	EER			4.79	4.25	4.00	4.14	4.56	4.56	3.68	3.68	3.58	3.58
		EEL Rank		-	_	-	-	-	-	-	-	-	-
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	172	234	299	332	435	446	-	-	_	_
	SEER*4			7.3	7.4	7.1	7.4	7.6	7.4	-	-	-	-
		Energy Efficiency Class		A++	A++	A++	A++	A++	A++	-	-	-	-
	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
(Average Season)		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
Season)	Total Input	Rated	kW	0.890	1.581	1.863	2.014	2.685	2.685	3.773	3.773	4.365	4.365
	COP			4.61	3.79	3.76	3.97	4.17	4.17	3.71	3.71	3.67	3.67
		EEL Rank	kW	2.5	-	-	4.7	7.8	7.8	-	-	-	
	Design Load	La Company Company		2.5 (-10°C)	3.8	4.4 4.4 (-10°C)		7.8 (–10°C)		-		-	_
		at reference design temperature	kW		3.8 (-10°C)		4.7 (-10°C) 4.7 (-10°C)		7.8 (-10°C)	-	-	-	_
		at bivalent temperature	kW	2.5 (-10°C) 2.1 (-11°C)	3.8 (-10°C)	4.4 (-10°C)	3.5 (–20°C)	7.8 (-10°C) 5.8 (-20°C)	7.8 (-10°C) 5.8 (-20°C)	_	-	-	_
	Back Up Heating C	at operation limit temperature	kW	0	3.7 (–11°C) 0	2.8 (-20°C) 0	0	0	0.8 (-20°C)	_		_	
	Annual Electricity		kWh/a	797	1184	1420	1432	2521	2521	_		_	
	SCOP*4	Consumption	KVVII/a	4.3	4.4	4.3	4.6	4.3	4.3	_	_	_	
		Energy Efficiency Class		4.3 A+	A+	4.5 A+	A++	A+	A+	_	_		
Operation	g Current (max)	Lifergy Liffciency class	I A	13.2	13.2	19.2	19.3	27.0	8.5	27.2	10.2	28.7	13.7
Indoor		Rated	kW	0.03	0.03	0.03	0.04	0.07	0.07	0.10	0.10	0.10	0.10
Unit	Operating Current		A	0.20	0.22	0.24	0.27	0.46	0.46	0.66	0.66	0.66	0.66
	Dimensions <panel></panel>		mm		0.22		0.27	0.10		0 - 840 <40 - 95		0.00	0.00
	Weight <panel></panel>		ka	19 <5>	19 <5>	21 <5>	21 <5>	24 <5>	24 <5>	26 <5>	26 <5>	26 <5>	26 <5>
	Air Volume [Lo-Mi2	2-Mi1-Hil	m³/min	11-13-15-16			14-17-19-21		19-23-26-29	21-25-28-31	21-25-28-31	24-26-29-32	24-26-29-32
	Sound Level (SPL)	[Lo-Mi2-Mi1-Hi]	dB(A)	26-28-29-31	27-29-31-32	27-29-31-32	28-30-32-34	31-34-37-40	31-34-37-40	33-37-41-44	33-37-41-44	36-39-42-44	36-39-42-44
	Sound Level (PWL))	dB(A)	51	54	54	56	61	61	65	65	65	65
		$H \times W \times D$	mm	630 - 80			- 330 (+25)				0 - 330 (+40)		
Unit	Weight		kg	46	46	70	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
		Heating	m³/min	45	45	55	55	110	110	120	120	120	120
	Sound Level (SPL)	Cooling	dB(A)	44	44	47	47	49	49	50	50	50	50
		Heating	dB(A)	46	46	49	49	51	51	52	52	52	52
	Sound Level (PWL)		dB(A)	65	65	67	67	69	69	70	70	70	70
	Operating Current	(max)	A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0
F .	Breaker Size		A	16 6.35 /	16	25	25	32	16	32	16 9.52 / 15.88	40 9.52 / 15.88	16
Ext. Piping	Diameter Max. Length	Liquid / Gas	mm			9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88			9.52 / 15.88
riping		Out-In	m	50 30	50	55	55 30	100 30	100 30	100 30	100 30	100 30	100 30
Guerort	Max. Height ed Operating Range	Out-In Cooling*3	°C	-15 ~ +46	30	30	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
[Outdoor	eu Operating nange		°C	-15 ~ +46 -11 ~ +21	-15 ~ +46	-15 ~ +46	-15 ~ +46 -20 ~ +21	-15 ~ +46 -20 ~ +21	-15 ~ +46 -20 ~ +21	-15 ~ +46 -20 ~ +21	-15 ~ +46 -20 ~ +21	-15 ~ +46 -20 ~ +21	-15 ~ +46 -20 ~ +21
[Outuoof]		Heating	_ ~C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +2T	-2U ~ +2T	-20 ~ +21	-20 ~ +2T	ZU ~ +ZT	-20 ~ +21	-2U ~ +2T

^{*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 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 CO₂, 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.

*2 Energy consumption based on standard test results. Actual energy consumption based on standard test results. Actual energy consumption based on standard test results. Actual energy consumption based on standard test results. *3 Optional air protection guide is required where ambient temperature is lower than -5°C.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.



PLA-ZM/RP EA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor U	nit Ca _l	pacity								
Indoor	Unit Combination				Fo	or Sing	gle						For	Twin			Fo	or Trip	le	For Qu	adruple
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Inverter (PUHZ-ZRP)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe		-	-	-	-	-	-	-	-	N	MSDD-	-50TR-	E	MSDD-	50WR-E	MS	DT-111	IR-E	MSDF-1	1111R-E
Standa	rd Inverter (SUZ & PUHZ-P)	35x1	50x1	60x1	71x1	100x1	125x1	140×1	-	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	-	-	-	-	-	-	-	-	-	-	MSI	DD-50	ΓR-E	MSDD-	50WR-E	MS	DT-111	IR-E	MSDF-1	1111R-E

PLA-ZM SERIES



























Optional	Op
	60-140
Silent	Am

























			Little	Optional	Optional	Optional	Opt	onal	Optional	Ent op DOW		Diagnosis	<u> </u>
Туре								Inverter H	leat Pump				
Indoor U	nit			PLA- ZM35EA	PLA- ZM50EA	PLA- ZM60EA	PLA- ZM71EA	PLA-ZN	1100EA	PLA-ZN	И125EA	PLA-ZN	/140EA
Outdoor	Unit			PUHZ- ZRP35VKA2	PUHZ- ZRP50VKA2	PUHZ- ZRP60VHA2	PUHZ- ZRP71VHA2	PUHZ-	PUHZ-	PUHZ- ZRP125VKA3	PUHZ-	PUHZ-	PUHZ-
Refrigera	nt			ZRP35VKAZ	ZIII JUVICAZ	ZITI OOVITAZ	ZIII / I VI IAZ		DA*1	Z111 123VKA3	ZIII IZJIKAJ	ZIII 140VIOAS	ZITI 1401KAS
Power	Source							Outdoor po					
Supply	Outdoor (V/Phase	(Hz)					VKA • VH	A:230 / Single /		Three / 50			
	Capacity	Rated	l kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.5	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.0	6.2 - 15.0
	Total Input	Rated	kW	0.78	1.33	1.66	1.79	2.20	2.20	3.84	3.84	4.36	4.36
	EER			-	-	-	-	-	-	3.25	3.25	3.07	3.07
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	-	_	-	-
	Annual Electricity	Consumption*2	kWh/a	170	253	318	336	461	472	-	-	-	-
	SEER*4			7.4	6.9	6.7	7.4	7.2	7.0	-	-	_	-
		Energy Efficiency Class		A++	A++	A++	A++	A++	A++	-	-	_	_
Heating		Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
(Average		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
Season)	Total Impac	Rated	kW	0.85	1.55	1.89	1.90	2.60	2.60	3.67	3.67	4.84	4.84
	COP	[==: = ·		-	-	-	-	-	-	3.81	3.81	3.30	3.30
	B : 1 1	EEL Rank	T kW	2.5	3.8	4.4	4.7	7.8	7.8	-	-	-	-
	Design Load				3.8 (–10°C)	4.4 (-10°C)	4.7 4.7 (–10°C)	7.8 (–10°C)	7.8 (–10°C)	-	-	-	-
	Declared Capacity	at reference design temperature	kW	2.5 (-10°C) 2.5 (-10°C)		4.4 (-10°C) 4.4 (-10°C)	4.7 (-10°C) 4.7 (-10°C)	7.8 (=10°C) 7.8 (=10°C)	7.8 (=10°C) 7.8 (=10°C)	-	-	-	-
		at bivalent temperature at operation limit temperature	kW	2.5 (=10°C) 2.1 (=11°C)	3.8 (-10°C) 3.7 (-11°C)	2.8 (–20°C)	3.5 (–20°C)	7.8 (-10°C) 5.8 (-20°C)	7.8 (-10°C) 5.8 (-20°C)		-		_
	Back Up Heating (kW	0	0.7 (-11-0)	0	0	0.8 (-20°C)	0.8 (-20°C)	-	_		_
	Annual Electricity		kWh/a	714	1109	1337	1342	2229	2229				_
	SCOP*4	Consumption	[KVVII/a	4.9	4.8	4.6	4.9	4.9	4.9	_		-	_
	3001	Energy Efficiency Class		A++	A++	A++	A++	A++	A++				_
Operatir	ng Current (max)		ΙΑ	13.2	13.2	19.2	19.3	27.0	8.5	27.0	10.0	28.7	13.7
Indoor	Input	Rated	kW	0.03	0.03	0.03	0.05	0.07	0.07	0.08	0.08	0.10	0.10
Unit	Operating Current		A	0.21	0.22	0.22	0.34	0.47	0.47	0.52	0.52	0.66	0.66
	Dimensions <panel></panel>	H × W × D	mm	258 - 84	0 - 840 <40 - 9	50 - 950>			298 - 84	0 - 840 <40 - 9	50 - 950>		
	Weight <panel></panel>	•	kg		21 <5>		24 <5>	26 <5>	26 <5>	26 <5>	26 <5>	26 <5>	26 <5>
	Air Volume [Lo-Mi		m³/min	11-13-15-16		12-14-16-18				21-24-26-29			
	Sound Level (SPL)		dB(A)			27-29-31-32							
	Sound Level (PWL		dB(A)	51	54	54	57	61	61	62	62	65	65
	Dimensions	$H \times W \times D$	mm	630 - 80			330 (+30)				0 - 330 (+40)		
Unit	Weight	1	kg	43	46	70	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
	Carrad Larrad (CDL)	Heating	m³/min	45 44	45 44	55 47	55 47	110 49	110 49	120 50	120 50	120 50	120 50
	Sound Level (SPL)		dB(A)	44	44	47	47	49 51	49 51	50	50	50	50
	Sound Level (PWL)	Heating	dB(A)	46 65	46 65	67	48 67	69	69	70	70	70	70
	Operating Current		A A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0
	Breaker Size	(IIIaA)	A	16	16	25	25	32	16	32	16	40	16
Ext.	Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Piping	Max. Length	Out-In	m	50	50	50	50	75	75	75	75	75	75
	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30	30
Guarante	ed Operating Range		°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
[Outdoor		Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
*4.0.0						: L(O)A(D)					OW/D I'I I I		T1 1

^{*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 COz, 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 R410A is 2088 in the IPCC 4th Assessment Report.

*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 Optional air protection guide is required where ambient temperature is lower than –5°C.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.





























































Type								Inverter H	eat Pump				
Indoor Ur	nit			PLA-	PLA-	PLA-	PLA-						
				M35EA	M50EA	M60EA	M71EA	PLA-M	100EA	PLA-M	125EA	PLA-M	140EA
Outdoor	Init			SUZ-	SUZ-	SUZ-	SUZ-	PUHZ-	PUHZ-	PUHZ-	PUHZ-	PUHZ-	PUHZ-
Outdoor	JIIIL			KA35VA6	KA50VA6	KA60VA6	KA71VA6	P100VKA	P100YKA	P125VKA	P125YKA	P140VKA	P140YKA
Refrigera	n+			NASSVAO	10430140	10400140	104711740	R41		1 1201104	11201104	1 140 1104	11401104
	Source												
Power Supply	Outdoor (V/Phase	/11->					\/\ .\/\/	Outdoor po 3:230 / Single / S		roo / FO			
			T								101	100	10.0
Cooling	Capacity	Rated	kW	3.6	5.5	5.7	7.1	9.4	9.4	12.1	12.1	13.6	13.6
		Min - Max	kW	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 14.1	5.8 - 14.1
	Total Input	Rated	kW	1.02	1.61	1.76	2.10	3.18	3.18	4.10	4.10	5.41	5.41
	EER			-	-	-	-	2.95	2.95	2.95	2.95	2.51	2.51
		EEL Rank	T 1347	3.6	-	-	-	9.4	9.4		-	-	-
	Design Load	• ***	kW	3.b 181	5.5	5.7 307	7.1 400	9.4 538	9.4 538		-	-	
	Annual Electricity	Consumption*2	kWh/a		295					_	-		
	SEER*4	F		6.9 A++	6.5 A++	6.5 A++	6.2 A++	6.1 A++	6.1 A++		-	-	-
11	Cit	Energy Efficiency Class Rated	kW	4.1	5.8	6.9	8.0	11.2	11.2	- 13.5	13.5	15.0	15.0
(Average	Capacity		kW	4. I 1.7 - 5.0	5.8 1.7 - 7.2	2.5 - 8.0	2.6 - 10.2	2.8 - 12.5	2.8 - 12.5	4.8 - 15.0	4.8 - 15.0	4.9 - 15.8	4.9 - 15.8
Season)	Tatal lauret	Min - Max Rated	kW	1.7 - 5.0	1.7 - 7.2	1.97	2.0 - 10.2	3.26	3.26	3.84	3.84	4.9 - 15.8	4.9 - 15.8
Ocuson,	Total Input COP	nated	KVV					3.43	3.43	3.84	3.51	3.21	3.21
	COP	EEL Rank		-	-	-	-	3.43	3.43	3.51	3.51	3.21	3.21
	Design Load	EEL RANK	l kW	2.6	4.3	4.6	5.8	8.0	8.0		_	_	
		at reference design temperature	kW	2.3 (-10°C)	3.8 (–10°C)	4.0 (-10°C)	4.7 (–10°C)	6.0 (-10°C)	6.0 (-10°C)	_	_	_	_
	Declared Capacity	at bivalent temperature	kW	2.3 (-10°C)	3.8 (-10°C)	4.0 (=10°C) 4.1 (=7°C)	5.1 (–7°C)	7.0 (–10°C)	7.0 (–10°C)			_	_
		at operation limit temperature	kW	2.3 (–10°C)	3.8 (–10°C)	4.0 (-10°C)	4.7 (–10°C)	4.5 (–15°C)	4.5 (–15°C)		_	_	
	Back Up Heating (kW	0.3	0.5	0.6	1.1	2.0	2.0		_	_	_
	Annual Electricity		kWh/a	826	1505	1498	1888	2432	2432			_	
	SCOP*4	Consumption	KVVII/a	4.4	4.0	4.3	4.3	4.6	4.6		_	_	_
	3001	Energy Efficiency Class		A+	A+	A+	A+	A++	A++		_	_	_
Operation	g Current (max)	Literary Efficiency Glass	ΙA	8.4	12.2	14.2	16.4	20.5	12.0	27.2	12.2	30.7	12.2
Indoor	Input	Rated	kW	0.03	0.03	0.03	0.04	0.07	0.07	0.10	0.10	0.10	0.10
Unit	Operating Current		A	0.20	0.22	0.24	0.27	0.46	0.46	0.66	0.66	0.66	0.66
	Dimensions <panel></panel>		mm		58 - 840 - 840 -			0.10		0 - 840 <40 - 95		0.00	0.00
	Weight <panel></panel>		kg	19 <5>	19 <5>	21 <5>	21 <5>	24 <5>	24 <5>	26 <5>	26 <5>	26 <5>	26 <5>
	Air Volume [Lo-Miz	2-Mi1-Hil	m³/min		12-14-16-18				19-23-26-29		21-25-28-31	24-26-29-32	24-26-29-32
	Sound Level (SPL)		dB(A)				28-30-32-34						36-39-42-44
	Sound Level (PWL		dB(A)	51	54	54	56	61	61	65	65	65	65
Outdoor	Dimensions	H×W×D	mm	550 - 800 - 285		880 - 840 - 330					50 - 330		
Unit	Weight		kg	35	54	50	53	76	78	84	85	84	85
	Air Volume	Cooling	m³/min	36.3	44.6	40.9	50.1	79	79	86	86	86	86
		Heating	m³/min	34.8	44.6	49.2	48.2	79	79	92	92	92	92
	Sound Level (SPL)	Cooling	dB(A)	49	52	55	55	51	51	54	54	56	56
		Heating	dB(A)	50	52	55	55	54	54	56	56	57	57
	Sound Level (PWL)	Cooling	dB(A)	62	65	65	69	70	70	72	72	75	75
	Operating Current	(max)	А	8.2	12.0	14.0	16.1	20	11.5	26.5	11.5	30.0	11.5
	Breaker Size		А	10	20	20	20	32	16	32	16	40	16
Ext.	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Piping	Max. Length	Out-In	m	20	30	30	30	50	50	50	50	50	50
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30
	ed Operating Range	Cooling*3	°C	-10 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
[Outdoor	_	Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21
*4 D C:		a for the Batt		50.1 1.1.1		: L (O) A (D)					OWD III I II		T1: 1:

[|] Cutdoor| | Heating | °C | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -1





























				Optional	Optional	Optional	Opsi	ional		Optional			
Туре								Inverter H	eat Pump				
Indoor Ur	nit			PLA- M35EA	PLA- M50EA	PLA- M60EA	PLA- M71EA	PLA-M	1100EA	PLA-N	1125EA	PLA-M	140EA
Outdoor I	Unit			PUHZ- ZRP35VKA2	PUHZ- ZRP50VKA2	PUHZ- ZRP60VHA2	PUHZ- ZRP71VHA2	PUHZ- ZRP100VKA3	PUHZ- ZRP100YKA3	PUHZ- ZRP125VKA3	PUHZ- ZRP125YKA3	PUHZ- ZRP140VKA3	PUHZ- ZRP140YKA3
Refrigera	nt							R41	0A*1	•			
Power	Source								wer supply				
Supply	Outdoor (V/Phase	/Hz)					VKA • VH	A:230 / Single /	50, YKA:400 / T	Three / 50			
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
0009		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.5	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.0	6.2 - 15.0
	Total Input	Rated	kW	0.83	1.42	1.75	1.87	2.23	2.23	3.87	3.87	4.39	4.39
	EER			-	-	-	-	-	-	3.23	3.23	3.05	3.05
		EEL Rank		-	-	-	-	-	-	-	-	-	_
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	174	258	321	341	465	476	-	_	-	-
	SEER*4	•		7.2	6.7	6.6	7.2	7.1	6.9	-	_	-	-
		Energy Efficiency Class		A++	A++	A++	A++	A++	A++	-	-	-	-
Heating	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
(Average		Min - Max	kW	1.6 - 5.8	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
Season)	Total Input	Rated	kW	0.92	1.81	2.07	2.11	2.69	2.69	3.77	3.77	4.90	4.90
	COP			-	-	-	-	-	_	3.71	3.71	3.26	3.26
		EEL Rank		_	-	-	-	-	-	-	-	-	-
	Design Load		kW	2.5	3.8	4.4	4.7	7.8	7.8	-	_	-	-
	Declared Capacity	at reference design temperature	kW	2.5 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	-	-	-
		at bivalent temperature	kW	2.5 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	_	-	-
		at operation limit temperature	kW	2.1 (-11°C)	3.7 (-11°C)	2.8 (-20°C)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	-	_	-	-
	Back Up Heating (Capacity	kW	0	0	0	0	0	0	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	764	1212	1418	1402	2468	2468	-	_	-	-
	SCOP*4	•		4.5	4.3	4.3	4.6	4.4	4.4	-	-	-	-
		Energy Efficiency Class		A+	A+	A+	A++	A+	A+	-	-	-	-
Operatin	g Current (max)		Α	13.2	13.2	19.2	19.3	27.0	8.5	27.2	10.2	28.7	13.7
	Input	Rated	kW	0.03	0.03	0.03	0.04	0.07	0.07	0.10	0.10	0.10	0.10
Unit	Operating Current		A	0.20	0.22	0.24	0.27	0.46	0.46	0.66	0.66	0.66	0.66
	Dimensions <panel></panel>	H × W × D	mm			<40 - 950 - 950					<40 - 950 - 950		
	Weight <panel></panel>		kg	19 <5>	19 <5>	21 <5>	21 <5>	24 <5>	24 <5>	26 <5>	26 <5>	26 <5>	26 <5>
	Air Volume [Lo-Miz		m³/min		12-14-16-18			19-23-26-29		21-25-28-31		24-26-29-32	
	Sound Level (SPL)		dB(A)		27-29-31-32		28-30-32-34	31-34-37-40				36-39-42-44	
	Sound Level (PWL		dB(A)	51	54	54	56	61	61	65	65	65	65
Outdoor	Dimensions	$H \times W \times D$	mm	630 - 80			- 330 (+30)	440	100		0 - 330 (+40)	110	404
Unit	Weight	1	kg	43	46	70	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
		Heating	m³/min	45	45	55	55	110	110	120	120	120	120
	Sound Level (SPL)		dB(A)	44	44	47	47	49	49	50	50	50	50
	0 11 1/5	Heating	dB(A)	46	46	48	48	51	51	52	52	52 70	52 70
	Sound Level (PWL)		dB(A)	65	65	67	67	69	69	70	70	28.0	13.0
	Operating Current	(max)	A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5		
F4	Breaker Size	II: :1/0	A	16	16	25	25	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7 50	9.52 / 15.88 50	9.52 / 15.88 50	9.52 / 15.88		9.52 / 15.88 75	9.52 / 15.88 75	9.52 / 15.88 75	9.52 / 15.88 75
riping	Max. Length	Out-In	m	50 30	30		30	75 30	75 30		30	75	75 30
C	Max. Height	Out-In	m			30				30		-15 ~ +46	
[Outdoor]	ed Operating Range	Cooling*3	°C	-15 ~ +46 -11 ~ +21	-15 ~ +46 -11 ~ +21	-15 ~ +46 -20 ~ +21							
			1 "(.										

Guaranteed Operating Range | Cooling**3 | °C | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +46 | -15 - +





The thin, ceiling-concealed indoor units of this series are the perfect answer for the air conditioning needs of buildings with minimum ceiling installation space and wideranging external static pressure. Energy-saving efficiency has been improved, reducing electricity consumption and contributing to a further reduction in operating cost.

Compact Indoor Units

The height of the models from 35–140 has been unified to 250mm, which makes installation in low ceilings with minimal clearance space possilbe.



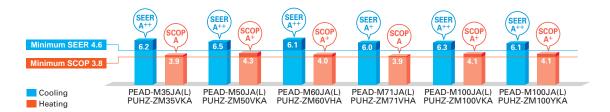
PEAD-M JA(L)

External Static Pressure

External static pressure conversion can be set up to five stages. Capable of being set to a maximum of 150Pa, units are applicable to a wide range of building types.

ErP Lot 10-compliant, Achieving High Energy Efficiency of SEER/SCOP Rank A+ and A++

A direct-current (DC) fan motor is installed in the indoor unit, increasing the seasonal energy efficiency of the newly designed Power Inverter Series (PUHZ-ZRP) and resulting in compliance of the full-capacity models with ErP Lot 10 and energy rankings of A+/A++ for cooling and A/A+ for heating. This contributes to an impressive reduction in the cost of annual electricity.



Drain Pump Option Available with All Models

The line-up consists of two types, models with or without a built-in drain pump.



PEAD-M JA → Drain pump built-in



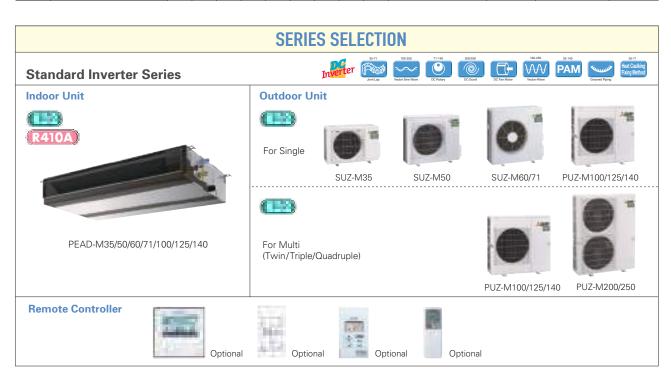
PEAD-M JAL → No drain pump

* Units with an "L" included at the end of the model name are not equipped with a drain pump.



PEAD-M JA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Uı	nit Cap	acity								
Indoor	Indoor Unit Combination				Fo	or Sing	gle						For	Twin			Fo	or Trip	le	For Qu	adruple
			50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Power Inverter (PUHZ-ZRP)		50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	-	-	-	-	-	-	-	-	-	N	ISDD-	50TR2	-E	MS 50W	DD- R2-E	MSE	OT-111	R3-E	MS 1111	DF- IR2-E



PEAD-M JA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Ui	nit Cap	acity								
Indoor	Indoor Unit Combination				Fo	or Sing	le						For	Twin			F	or Trip	le	For Qu	adruple
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Standa	Standard Inverter (PUHZ-P&SUZ)		50x1	60x1	71x1	100x1	125x1	140x1	-	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe			-	-	-	-	-	-	-	-	MSD	D-50T	R2-E		DD- /R2-E	MSI	OT-111	R3-E		SDF- IR2-E

PEAD-M SERIES







































			Optional										
Туре								nverter Heat P	ump				
Indoor Ur	nit			PEAD- M35JA(L)	PEAD- M50JA(L)	PEAD- M60JA(L)	PEAD- M71JA(L)	PEAD-M	100JA(L)	PEAD-M	125JA(L)	PEAD-M	140JA(L)
Outdoor				PUZ- ZM35VKA	PUZ- ZM50VKA	PUZ- ZM60VHA	PUZ- ZM71VHA	PUZ- ZM100VKA	PUZ- ZM100YKA	PUZ- ZM125VKA	PUZ- ZM125YKA	PUZ- ZM140VKA	PUZ- ZM140YKA
Refrigera								R3					
	Source								wer supply				
Supply	Outdoor (V/Phase	/Hz)							50, YKA:400 / T	hree / 50			
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.3	6.2 - 15.3
	Total Input	Rated	kW	0.837(0.820)	1.201(1.187)	1.509(1.495)	1.858(1.844)	2.272(2.256)	2.272(2.256)	3.333(3.315)	3.333(3.315)	3.631(3.611)	3.631(3.611)
	EER*4			4.30(4.39)	4.16(4.21)	4.04(4.08)	3.82(3.85)	4.18(4.21)	4.18(4.21)	3.75(3.77)	3.75(3.77)	3.69(3.71)	3.69(3.71)
		EEL Rank		-	-	-	-	-	-	_	-	_	-
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	_	-	_	_
	Annual Electricity	Consumption*2	kWh/a		282(268)	350(337)	428(414)	534(521)	543(532)	-	-	-	-
	SEER*4,*5			5.8(6.2)	6.2(6.5)	6.1(6.3)	5.8(6.0)	6.2(6.3)	6.1(6.2)	_	-		_
		Energy Efficiency Class		A+(A++)	A++(A++)	A++(A++)	A+ (A+)	A++(A++)	A++(A++)	-	-	-	-
Heating	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
(Average Season)		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
Season)	Total Input COP*4	Rated	kW	0.917	1.312	1.616	1.932	2.598	2.598	3.349	3.349	3.970	3.970
	COP	EEL D. I		4.47	4.57	4.33	4.14	4.31	4.31	4.18	4.18	4.03	4.03
	Design Load	EEL Rank	l kW	2.4	3.8	4.4	4.9	7.8	7.8	-	_	-	_
		at reference design temperature	kW	2.4(-10°C)	3.8 (–10°C)	4.4 (-10°C)	4.9(-10°C)	7.8 (–10°C)	7.8 (–10°C)	-			
	Deciared Capacity	at bivalent temperature	kW	2.4(-10°C)	3.8 (-10°C)	4.4(-10°C)	4.9(-10°C)	7.8 (=10°C) 7.8 (=10°C)	7.8 (=10°C) 7.8 (=10°C)				
		at operation limit temperature	kW	2.2 (-11°C)	3.7 (–11°C)	2.8 (–20°C)	3.7(-20°C)	5.8 (-20°C)	5.8 (-20°C)	_	_		
	Back Up Heating C		kW	0	0	0	0	0	0	_	_	_	_
	Annual Electricity		kWh/a	858	1237	1540	1751	2666	2666	_			_
	SCOP*4,*5	Consumption	KVVIIJO	3.9	4.3	4.0	3.9	4.1	4.1	_	_	_	_
	0001	Energy Efficiency Class		A	A+	A+	A	A+	Α+	_	_	_	_
Operatin	g Current (max)		Α	14.1	14.4	20.6	21.0	29.2	10.7	29.3	12.3	30.8	15.8
	Input [Cooling / Hea	ating] Rated	kW	0.09/0.07	0.11/0.09	0.12/0.10	0.17/0.15	0.25/0.23	0.25/0.23	0.36/0.34	0.36/0.34	0.39/0.37	0.39/0.37
Unit	Operating Current		А	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78
	Dimensions <panel></panel>	H×W×D	mm	250-90	0-732	250-11	00-732		250-14	00-732		250-16	00-732
	Weight <panel></panel>		kg	26 (25)	27 (26)	30 (29)	30 (29)	39 (38)	39 (38)	40 (39)	40 (39)	44 (43)	44 (43)
	Air Volume [Lo-Mid		m³/min	10.0-12.0-14.0	12.0-14.5-17.0	14.5-18.0-21.0	17.5-21.0-25.0		24.0-29.0-34.0	29.5-35.5-42.0	29.5-35.5-42.0	32.0-39.0-46.0	32.0-39.0-46.0
	External Static Pre		Pa						/ 100 / 150				
	Sound Level (SPL)		dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34	29 - 34 - 38		33 - 36 - 40	33 - 36 - 40	34 - 38 - 43	34 - 38 - 43
	Sound Level (PWL		dB(A)	54	59	55	58	62	62	66	66	67	67
	Dimensions	$H \times W \times D$	mm	630 - 80		943 - 950 -				1338 - 1050			
Unit	Weight		kg	46	46	70	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
	Carrad Larrad (CDL)	Heating	m³/min	45	45	55	55	110	110	120	120	120	120
	Sound Level (SPL)	Cooling Heating	dB(A)	44 46	44 46	47 49	47 49	49 51	49 51	50 52	50 52	50 52	50 52
	Sound Level (PWL)	Cooling	dB(A)	46 65	46 65	49 67	49 67	69	69	70	70	70	70
	Operating Current		A A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0
	Breaker Size	(IIIaA/	A	16	13.0	25	25	32	16	32	9.5	40	13.0
Ext.	Diameter Size	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Piping	Max. Length	Out-In	m	50	50	55	55	100	100	100	100	100	100
pg	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30	30
Guarante	ed Operating Range	Cooling*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
[Outdoor]		Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
		too to olimate abanga Pofris	_										

^{*1} Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with linigher 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 CO₂, 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.
*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 Optional air protection guide is required where ambient temperature is lower than -5°C. *4 EER/COP and SEER/SCOP for M35-71 are measured at ESP 35Pa, for M100 at ESP 37Pa, for M125/140 at ESP 50Pa.
*5 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.











































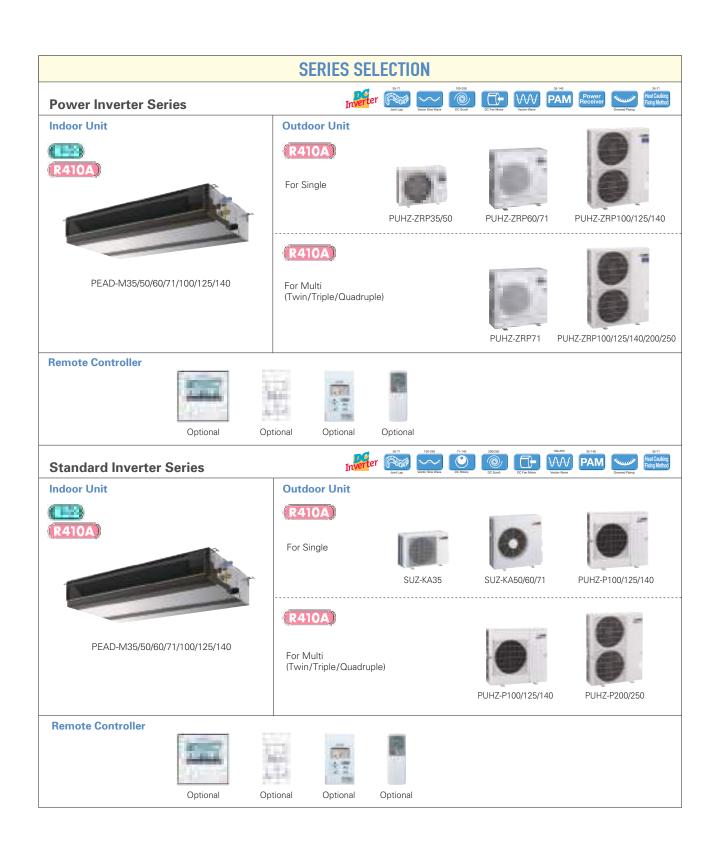






Type							ı	nverter Heat P	ump				
Indoor U	nit			PEAD-	PEAD-	PEAD-	PEAD-						
				M35JA(L)	M50JA(L)	M60JA(L)	M71JA(L)		100JA(L)		125JA(L)	PEAD-M	140JA(L)
Outdoor	Unit			SUZ-	SUZ-	SUZ-	SUZ-	PUZ-	PUZ-	PUZ-	PUZ-	PUZ-	PUZ-
				M35VA	M50VA	M60VA	M71VA	M100VKA	M100YKA	M125VKA	M125YKA	M140VKA	ZM140YKA
Refrigera	nt							R3	2*1			•	
Power	Source							Outdoor po	wer supply				
Supply	Outdoor (V/Phase	/Hz)					VA • VKA	: 230 / Single / 5	50, YKA: 400 / T	hree / 50			
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
ooomig	oupuoity	Min - Max	kW	0.8 - 3.9	1.7 - 5.6	1.6 - 6.3	2.2 - 8.1	4.0 - 10.6	4.0 - 10.6	6.0 - 13.0	6.0 - 13.0	6.1 - 14.1	6.1 - 14.1
	Total Input	Rated	kW	0.92(0.90)	1.35(1.33)	1.69(1.67)	2.02(2.00)	2.87(2.85)	2.87(2.85)	4.01(3.99)	4.01(3.99)	4.76	4.76
	EER*4			3.90(4.00)	3.70(3.75)	3.60(3.65)	3.50(3.55)	3.30(3.33)	3.30(3.33)	3.01(3.03)	3.01(3.03)	2.81	2.81
		EEL Rank		-	_	_	-	_	-	-	-		-
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
	Annual Electricity	Consumption*2	kWh/a	217(199)	287(271)	353(335)	428(411)	613(598)	613(598)	-	-	-	-
	SEER*4,*5	oonoumption		5.8(6.3)	6.1(6.4)	6.0(6.3)	5.8(6.0)	5.4(5.5)	5.4(5.5)	_		_	_
	0	Energy Efficiency Class		A+(A++)	A++(A++)	A+(A++)	A+ (A+)	A (A)	A (A)	_	_	-	_
Heating	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	13.5	13.5	15.0	15.0
(Average		Min - Max	kW	1.1 - 5.0	1.5 - 7.2	1.6 - 8.0	2.0 - 10.2	2.8 - 12.5	2.8 - 12.5	4.1 - 15.0	4.1 - 15.0	4.2 - 15.8	4.2 - 15.8
Season)	Total Input	Rated	kW	1.02	1.46	1.84	2.15	2.94	2.94	3.73	3.73	4.15	4.15
	COP*4			4.00	4.10	3.80	3.71	3.80	3.80	3.61	3.61	3.61	3.61
		EEL Rank		_	-	-	-	-	-	-	-	-	_
	Design Load		kW	2.6	4.3	4.6	5.8	8.0	8.0	8.5	8.5	9.4	9.4
	Declared Capacity	at reference design temperature	kW	2.3(-10°C)	3.8 (-10°C)	4.1(-10°C)	5.2(-10°C)	6.0(-10°C)	6.0(-10°C)	8.5(-10°C)	8.5(-10°C)	9.4(-10°C)	9.4(-10°C)
		at bivalent temperature	kW	2.3(-7°C)	3.8 (-7°C)	4.1(-7°C)	5.2(-7°C)	7.0(-7°C)	7.0(-7°C)	8.5(-10°C)	8.5(-10°C)	9.4(-10°C)	9.4(-10°C)
		at operation limit temperature	kW	2.3(-10°C)	3.8(-10°C)	4.1(-10°C)	5.2(-10°C)	4.5(-15°C)	4.5(-15°C)	6.0(-15°C)	6.0(-15°C)	7.0(-15°C)	7.0(-15°C)
	Back Up Heating (apacity	kW	0.5	0.5	0.5	0.6	2.0	2.0	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	931	1430	1594	2080	2795	2795	-	-	-	-
	SCOP*4,*5	•		3.9	4.2	4.0	3.9	4.0	4.0	-	-	-	-
		Energy Efficiency Class		A	A+	A+	А	A+	A+	-	_	-	-
Operatin	g Current (max)		Α	9.6	14.9	16.4	16.8	22.7	14.2	29.3	14.3	32.8	14.3
Indoor	Input [Cooling / Hea	ating] Rated	kW									0.39(0.37)/0.37	0.39 (0.37)/0.37
Unit	Operating Current		A	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78
	Dimensions <panel></panel>	$H \times W \times D$	mm		00-732		00-732			00-732			00-732
	Weight <panel></panel>		kg	26 (25)	27 (26)	30 (29)	30 (29)	39 (38)	39 (38)	40 (39)	40 (39)	44 (43)	44 (43)
	Air Volume [Lo-Mid		m³/min	10.0-12.0-14.0	12.0-14.5-17.0	14.5-18.0-21.0	17.5-21.0-25.0			29.5-35.5-42.0	29.5-35.5-42.0	32.0-39.0-46.0	32.0-39.0-46.0
	External Static Pre		Pa						/ 100 / 150				
	Sound Level (SPL)		dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34	29 - 34 - 38	29 - 34 - 38	33 - 36 - 40	33 - 36 - 40	34 - 38 - 43	34 - 38 - 43
	Sound Level (PWL		dB(A)	54	59	55	58	62	62	66	66	67	67
	Dimensions	H × W × D	mm		714 - 800 - 285	880 - 84		981 - 1050 - 330		981 - 1050			
Unit	Weight		kg	35	41	54	55	76	78	84	85	84	85
	Air Volume	Cooling	m³/min	34.3	45.8	50.1	50.1	79.0	79.0	86.0	86.0	86.0	86.0
		Heating	m³/min	32.7	43.7	50.1	50.1	79.0	79.0	92.0	92.0	92.0	92.0
	Sound Level (SPL)	Cooling	dB(A)	48	48	49	49	51	51	54	54	55	55
		Heating	dB(A)	48	49	51	51	54	54	56	56	57	57
	Sound Level (PWL)	Cooling	dB(A)	59	64	65	66	70	70	72	72	73	73
	Operating Current	(max)	A	8.5	13.5	14.8	14.8	20.0	11.5	26.5	11.5	30.0	11.5
Fort	Breaker Size	Tr: :1/0	A	16	20	20	20	32	16	32	16	40	16
Ext.	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Piping	Max. Length	Out-In	m	20	30	30	30	55	55	65	65	65	65
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30
Guarante (Outdoor	ed Operating Range	Cooling*3	°C	-10 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
LOutagor	l .	Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21

^{*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 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 CO₂, 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.
*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 Optional air protection guide is required where ambient temperature is lower than -5°C. *4 EER/COP and SEER/SCOP for M35-71 are measured at ESP 35Pa, for M100 at ESP 37Pa, for M125/140 at ESP 50Pa.
*5 SEER and SCOP are based on 2009/125/EC.Energy-related Products Directive and Regulation(EU) No206/2012.



PEAD-M JA(L) Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Ui	nit Cap	acity								
Indoor	Unit Combination				Fo	or Sing	gle						For	Twin			F	or Trip	le	For Qu	adruple
	ower Inverter (PLIH7_7RP)		50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Inverter (PUHZ-ZRP)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	-	_	_	-	-	-	-	-	-	N	лSDD-	50TR-	E	MSDD-	50WR-E	MS	DT-111	R-E	MSDF-1	1111R-E
Standa	rd Inverter (PUHZ-P&SUZ)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	_	-	_	-	-	-	-	-	-	-	MSI	DD-50	TR-E	MSDD-	50WR-E	MS	DT-111	R-E	MSDF-1	1111R-E

PEAD-M SERIES

























			Optional										
Туре								verter Heat P	ump				
Indoor Ur	nit			PEAD- M35JA(L)	PEAD- M50JA(L)	PEAD- M60JA(L)	PEAD- M71JA(L)	PEAD-M	100JA(L)	PEAD-M	125JA(L)	PEAD-M	140JA(L)
Outdoor	Jnit			PUHZ- ZRP35VKA2	PUHZ- ZRP50VKA2	PUHZ- ZRP60VHA2	PUHZ- ZRP71VHA2	PUHZ- ZRP100VKA3	PUHZ- ZRP100YKA3	PUHZ- ZRP125VKA3	PUHZ- ZRP125YKA3	PUHZ- ZRP140VKA3	PUHZ- ZRP140YKA3
Refrigera	nt							R41	0A*1				
Power	Source							Outdoor po	wer supply				
Supply	Outdoor (V/Phase	/Hz)					VKA • VH	A:230 / Single /	50, YKA:400 / 1	Three / 50			
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
ccoming		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.3	6.2 - 15.3
	Total Input	Rated	kW	0.89(0.87)	1.44 (1.42)	1.65 (1.63)	2.01 (1.99)	2.43 (2.41)	2.43 (2.41)	3.86 (3.83)	3.86 (3.83)	4.32 (4.29)	4.32 (4.29)
	EER*4			-	- '	-	-	- '	_	3.24 (3.26)	3.24 (3.26)	3.10 (3.12)	3.10 (3.12)
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	221(205)	304(288)	355(340)	428(411)	554(543)	565(554)	-	-	-	-
	SEER*4,*5	•		5.7(6.1)	5.7(6.0)	6.0(6.2)	5.8(6.0)	6.0(6.1)	5.8(6.0)	-	-	-	-
		Energy Efficiency Class		A+(A++)	A+(A+)	A+(A++)	A+ (A+)	A+ (A++)	A+(A+)	-	-	-	-
Heating	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
(Average		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
Season)	Total Input	Rated	kW	0.95	1.50	1.79	2.03	2.60	2.60	3.51	3.51	4.07	4.07
	COP*4			-	-	-	-	-	-	3.99	3.99	3.93	3.93
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	2.4	3.8	4.4	4.9	7.8	7.8	-	-	-	-
	Declared Capacity at reference design temperature		kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.9 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	-	-	-
		at bivalent temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.9 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	-	-	-
		at operation limit temperature	kW kW	2.2 (-11°C) 0	3.7 (-11°C)	2.8 (-20°C)	3.7 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	-	-	-	-
		Back Up Heating Capacity			0	0	0	0	0	-	-	-	-
	Annual Electricity Consumption*2			839	1231	1513	1762	2627	2627	-	-	-	-
	SCOP*4,*5	,		4.0	4.3	4.1	3.9	4.2	4.2	-	-	-	-
_		Energy Efficiency Class		Α+	Α+	Α+	A	A+	A+	-	-		-
	g Current (max)		A	14.1	14.4	20.6	21.0	29.2	10.7	29.3	12.3	30.8	15.8
	Input [Cooling / He		kW				0.17(0.15)/0.15						
Unit	Operating Current		Α	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78
	Dimensions <panel></panel>	H × W × D	mm		00-732		00-732	00/00/		00-732	10(00)		00-732
	Weight <panel></panel>	1.1.123	kg m³/min	26 (25)	27(26)	30(29)	30(29) 17.5-21.0-25.0	39(38)	39(38)	40(39)	40(39)	44(43)	44(43) 32.0-39.0-46.0
	Air Volume [Lo-Mic External Static Pre		m ^e /min Pa	10.0-12.0-14.0	12.0-14.5-17.0	14.5-18.0-21.0	17.5-21.0-25.0			29.5-35.5-42.0	29.5-35.5-42.0	32.0-39.0-46.0	32.0-39.0-46.0
	Sound Level (SPL)		dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34	29 - 34 - 38	29 - 34 - 38	33 - 36 - 40	33 - 36 - 40	34 - 38 - 43	34 - 38 - 43
	Sound Level (SPL)		dB(A)	54	59	55	58	62	62	66	66	67	67
Outdoor	Dimensions	 IH×W×D	mm	630 - 80		943 - 950		02	02) - 330 (+40)	07	07
Unit	Weight	IIIXWXB	kg	43	46	70	70	116	123	1116	125	118	131
0	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
	All volulle	Heating	m³/min	45	45	55	55	110	110	120	120	120	120
	Sound Level (SPL)	Cooling	dB(A)	44	44	47	47	49	49	50	50	50	50
		Heating	dB(A)	46	46	48	48	51	51	52	52	52	52
	Sound Level (PWL)	Cooling	dB(A)	65	65	67	67	69	69	70	70	70	70
	Operating Current		A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0
	Breaker Size	,	A	16	16	25	25	32	16	32	16	40	16
Ext.	Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	50	50	50	50	75	75	75	75	75	75
	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30	30
Guarante	ed Operating Range	Cooling*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
[Outdoor]		Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
*1 Refrigerant leakage contributes to climate change. Refrigera		aoront ia	ith lawer alabal	worming notont	rial (CNA/D) wasula	oontribute lees	to alabal warmir	a than a rafrian		CMD if looked t	a tha atmaanha	ro. This appliance	

^{*1} Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming word warming potential (GWP) would contribute less to global warming would be 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. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1976 times higher than 1 kg of CO2, 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 R410A is 2088 in the IPCC 4th Assessment Report.

*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 Optional air protection guide is required where ambient temperature is lower than -5°C. *4 EECRO2 and SEER/SCOP for M35-71 are measured at ESP 35Pa, for M100 at ESP 37Pa, for M125/140 at ESP 50Pa.

*5 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

























































PEAD-M SERIES
STANDARD INVERTER

















Type							ır	iverter Heat P	ump						
Indoor Ur	nit			PEAD- M35JA(L)	PEAD- M50JA(L)	PEAD- M60JA(L)	PEAD- M71JA(L)	PEAD-M	100JA(L)	PEAD-M	125JA(L)	PEAD-M	140JA(L)		
Outdoor	Jnit			SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ- P100VKA	PUHZ- P100YKA	PUHZ- P125VKA	PUHZ- P125YKA	PUHZ- P140VKA	PUHZ- P140YKA		
Refrigera								R41	0A*1						
Power	Source							Outdoor po							
Supply	Outdoor (V/Phase	/Hz)					VA • VKA	4:230 / Single / 5	50, YKA:400 / Th	ree / 50					
Cooling	Capacity	Rated	kW	3.6	4.9	5.7	7.1	9.4	9.4	12.1	12.1	13.6	13.6		
Cooming	oupuoity	Min - Max	kW	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 14.1	5.8 - 14.1		
	Total Input	Rated	kW	1.050 (1.030)	1.480 (1.460)	1.670 (1.650)	2.080 (2.060)	2.98 (2.96)	2.98 (2.96)	4.15 (4.14)	4.15 (4.14)	5.21 (5.19)	5.21 (5.19)		
	EER*4	Trated		-	-	-	-	3.17	3.17	2.91 (2.92)	2.91 (2.92)	2.61 (2.62)	2.61 (2.62)		
		EEL Rank		_	_	_	_			-	-				
	Design Load	LLL HUIK	kW	3.6	4.9	5.7	7.1	9.4	9.4	_		_	_		
	Annual Electricity	Consumption*2	kWh/a	222 (210)	302 (290)	337 (325)	408 (396)	644 (627)	644 (627)	_	_	-	_		
	SEER*4.*5	Consumption	KVVIIJU	5.6 (6.0)	5.6 (5.9)	5.9 (6.1)	6.1 (6.2)	5.1 (5.2)	5.1 (5.2)	_	_	_	_		
	SEEN	Energy Efficiency Class		A+ (A+)	A+ (A+)	Δ+ (Δ++)	Δ++ (Δ++)	A (A)	A (A)			_	_		
Handina	Oi4		kW	4.1	5.9	7.0	8.0	11.2	11.2	13.5	13.5	15.0	15.0		
Heating (Average	Capacity	Rated Min - Max	kW	1.7 - 5.0	1.7 - 7.2	2.5 - 8.0	2.6 - 10.2	2.8 - 12.5	2.8 - 12.5	4.8 - 15.0	4.8 - 15.0	4.9 - 15.8	4.9 - 15.8		
Season)	T				1.620			2.8 - 12.5	2.8 - 12.5	3.73		4.9 - 15.8	4.9 - 15.8		
Ocusoni	Total Input COP*4	Rated	kW	1.110		1.930	2.040				3.73				
	COP			-	_	_	-	3.80	3.80	3.61	3.61	3.51	3.51		
		EEL Rank							-		-	-			
	Design Load	T	kW	2.8	4.4	4.5	6.0	8.0	8.0	_	-	-	-		
	Declared Capacity	at reference design temperature	kW	2.5 (-10°C)	3.9 (-10°C)	4.1 (-10°C)	5.3 (-10°C)	6.0 (-10°C)	6.0 (-10°C)	-	-	-	-		
		at bivalent temperature	kW	2.5 (-7°C)	3.9 (-7°C)	4.1 (-7°C)	5.3 (-7°C)	7.0 (-7°C)	7.0 (-7°C)	-	-	-	-		
	at operation limit temperature Back Up Heating Capacity		kW	2.5 (-10°C)	3.9 (-10°C)	4.1 (-10°C)	5.3 (-10°C)	4.5 (-15°C)	4.5 (-15°C)	_	-	-	-		
			kW	0.3	0.5	0.5	0.7	2.0	2.0	_	-	_	-		
	Annual Electricity	Consumption*2	kWh/a	980	1466	1569	2153	2793	2793	-	-	-	-		
	SCOP*4,*5			4.0	4.2	4.0	3.9	4.0	4.0	-	-	-	-		
		Energy Efficiency Class		A+	A ⁺	A ⁺	A	A+	A ⁺	-	-	-	-		
	g Current (max)		A	9.3	13.4	15.6	18.1	22.7	14.2	29.3	14.3	32.8	14.3		
Indoor	Input [Cooling / He		kW				0.17(0.15) / 0.15								
Unit	Operating Current		Α	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78		
	Dimensions <panel></panel>	$H \times W \times D$	mm		00-732		00-732		250-14			250-16			
	Weight <panel></panel>		kg	26 (25)	27 (26)	30 (29)	30 (29)	39 (38)	39 (38)	40 (39)	40 (39)	44 (43)	44 (43)		
	Air Volume [Lo-Mi	d-Hi]	m³/min	10.0 - 12.0 - 14.0	12.0-14.5-17.0	14.5-18.0-21.0	17.5-21.0-25.0	24.0-29.0-34.0	24.0-29.0-34.0	29.5-35.5-42.0	29.5-35.5-42.0	32.0-39.0-46.0	32.0-39.0-46.0		
	External Static Pre	essure	Pa				35 /	/50 / 70 / 100 /	150						
	Sound Level (SPL)	[Lo-Mid-Hi]	dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34	29 - 34 - 38	29 - 34 - 38	33 - 36 - 40	33 - 36 - 40	34 - 38 - 43	34 - 38 - 43		
	Sound Level (PWL		dB(A)	54	59	55	58	62	62	66	66	67	67		
	Dimensions	$H \times W \times D$	mm	550-800-285		880-840-330				981-10	50-330				
Unit	Weight		kg	35	54	50	53	76	78	84	85	84	85		
	Air Volume	Cooling	m³/min	36.3	44.6	40.9	50.1	79	79	86	86	86	86		
		Heating	m³/min	34.8	44.6	49.2	48.2	79	79	92	92	92	92		
	Sound Level (SPL)	Cooling	dB(A)	49	52	55	55	51	51	54	54	56	56		
		Heating	dB(A)	50	52	55	55	54	54	56	56	57	57		
	Sound Level (PWL)	Cooling	dB(A)	62	65	65	69	70	70	72	72	75	75		
	Operating Current	(max)	А	8.2	12.0	14.0	16.1	20.0	11.5	26.5	11.5	30.0	11.5		
	Breaker Size		А	10	20	20	20	32	16	32	16	40	16		
Ext.	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88		
Piping	Max. Length	Out-In	m	20	30	30	30	50	50	50	50	50	50		
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30		
	ed Operating Range	Cooling*3	°C	-10 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46		
[Outdoor]		Heating		-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21		
			°C	10 124	10 - 12-	10 11 124		10 - 121	10 121		-15 ~ +21 -15 ~ +21 -15 ~ +21 -1				

^{*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; I 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 1976 times higher than 1 kg of CO2, 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 R410A is 2088 in the IPCC 4th Assessment Report.

*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 Optional air protection guide is required where ambient temperature is lower than -5°C. *4 EER/COP and SEER/SCOP for M35-71 are measured at ESP 35Pa, for M100 at ESP 37Pa, for M125/140 at ESP 50Pa.

*5 SEER and SCOP are based on 2009/125/EC.Energy-related Products Directive and Regulation(EU) No208/2012.

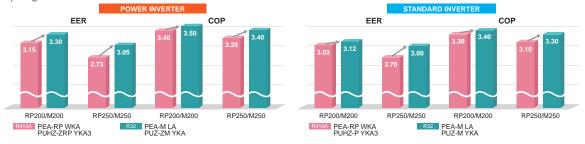


PEA

The PEA Series is a large capacity ceiling-concealed type indoor units which are visually discreet blending into various environments. The new R32 refrigerant lineup realizes improved energy efficiency with a patented fan called a Turbo In Sirocco fan. A wider option of external static pressure up to 200Pa allows authentic ducted air-conditioning with an elegant interior layout.

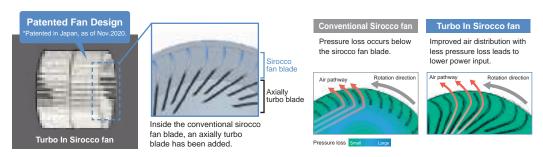
Improved Energy Efficiency

Introduction of new R32 refrigerant with newly designed fan reduces energy consumption and have resulted in higher energy savings for all capacity ranges.



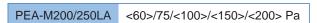
Low input with New Fan Design

The new PEA series applies a newly designed fan; a Turbo In Sirocco fan which realizes high efficiency with a lower power input. The new design is Mitsubishi Electric's patented technology with a combination of turbo fan inside the sirocco fan.



Wide range of external static pressure allows flexible duct design

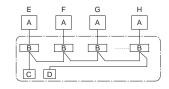
200Pa setting is newly added enabling total of five static pressure level. The ability to select additional static pressure enables long duct and more freedom in design.



The factory setting of external static pressure is shown without brackets (< >). Refer to "Fan characteristics curves" according to the external static pressure, in the DATA BOOK for the usable range of airflow rate.

PAR-40MAA Group Control

The PAR-40MAA remote controller can control up to 16 systems as a group, and is ideal for supporting the integrated management of building air conditioners.



- Indoor unit Main remote controller
- Main remote controller
 Subordinate remote controller
 Standard (Refrigerant address = 00)
 Refrigerant address = 01
 Refrigerant address = 02
 Refrigerant address = 15



PEA-M SERIES















































POWER I	NVERTER		Optional	Connection Interface Down Connection Self Diagnosis	decal							
Туре				Inverter	Heat Pump							
Indoor Ur	nit			PEA-M200LA	PEA-M250LA							
Outdoor l	Jnit			PUZ-ZM200YKA	PUZ-ZM250YKA							
Refrigera	nt			R:	32*1							
Power	Source				power supply							
Supply	Outdoor (V/Pha	se/Hz)		400 / Three / 50								
Cooling	Capacity	Rated	kW	19.0	22.0							
		Min - Max	kW	9.2 - 22.4	9.9 - 27.0							
	Total Input	Rated	kW	5.757	7.213							
	EER			3.30	3.05							
		EEL Rank			-							
Heating	Capacity	Rated	kW	22.4	27.0							
(Average		Min - Max	kW	7.1 - 25.0	7.3 - 31.0							
	Total Input	Rated	kW	6.400	7.941							
	COP			3.50	3.40							
		EEL Rank		-	-							
Operatin	g Current (max)	<u>'</u>		25.7	25.9							
Indoor	Input [Cooling / H	Heating] Rated	kW	0.35 / 0.35	0.53 / 0.53							
Unit	Operating Curre	ent (max)	А	3.1	3.4							
	Dimensions H x W x D m			470 - 13	370 - 1120							
	Weight		kg		87							
	Air Volume [Lo-N	//id-Hi]	m³/min	42 - 51 - 60 (60Pa - 150Pa) 42 - 51 - 55 (200Pa)	50 - 61 - 72 (60Pa - 100Pa) 45 - 55 - 65 (150Pa) 45 - 50 - 55 (200Pa							
	External Static I	Pressure	Pa	(60) / 75 / (10	0) / (150) / (200)							
	Sound Level (SP	L) [Lo-Mid-Hi]	dB(A)	35 - 40 - 43	38 - 43 - 47							
	Sound Level (PV	VL)	dB(A)	63 - 64 - 64	67 - 67 - 68							
	Dimensions	H x W x D	mm	1338 - 105	0 - 330 (+40)							
Unit	Weight		kg	137	138							
	Air Volume	Cooling	m³/min	140	140							
		Heating	m³/min	140	140							
	Sound Level (SP	'L) Cooling	dB(A)	59	59							
		Heating	dB(A)	62	62							
	Sound Level (PW	/L) Cooling	dB(A)	77	77							
	Operating Curre	ent (max)	А	22.5	22.5							
	Breaker Size		А	32	32							
Ext.	Diameter	Liquid / Gas	mm	9.52 / 25.4	12.7 / 25.4							
Piping	Max. Length	Out-In	m	100	100							

^{*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 CO₂, 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 Optional air protection guide is required where ambient temperature is lower than -5°C.

30

-15 ~ +46 -20 ~ +21

Out-In

Cooling*2

Heating



Guaranteed Operating Range

Max. Height

Guaranteed Operating Range





m



















-15 ~ +46

-20 ~ +21

30

-15 ~ +46

-20 ~ +21





PEA-M SERIES
STANDARD INVERTER

















Group Control

Type					inverter r	ieat Pump						
Indoor Ur	nit				PEA-M200LA	PEA-M250LA						
Outdoor I	Unit				PUZ-M200YKA	PUZ-M250YKA						
Refrigera	nt				R3	2* ¹						
Power	Source				Separate power supply 400 / Three / 50							
Supply	Outdoor (V/Phas	e/Hz)										
Cooling	Capacity	Rated		kW	19.0	22.0						
		Min -	Max	kW	9.2 - 22.4	9.9 - 27.0						
	Total Input	Rated		kW	6.089	7.333						
	EER				3.12	3.00						
		EEL R	lank		-	-						
		Rated		kW	22.4	27.0						
(Average	•	Min -	Max	kW	6.8 - 25.0	7.3 - 31.0						
Season)	Total Input	Rated		kW	6.588	8.181						
	COP				3.40	3.30						
		EEL R	lank		-	-						
Operatin	g Current (max)				25.7	25.9						
Indoor	Input [Cooling / He	eating]	Rated	kW	0.35 / 0.35	0.53 / 0.53						
Unit	Operating Curren	t (max)		А	3.1	3.4						
	Dimensions		HxWxD	mm	470 - 13	70 - 1120						
	Weight			kg	87							
	Air Volume [Lo-M	id-Hi]		m³/min	42 - 51 - 60 (60Pa - 150Pa) 42 - 51 - 55 (200Pa)	50 - 61 - 72 (60Pa - 100Pa) 45 - 55 - 65 (150Pa						
	External Static Pr	essure		Pa	(60) / 75 / (100	1) / (150) / (200)						
	Sound Level (SPL) [Lo-Mid-Hi]				35 - 40 - 43	38 - 43 - 47						

	Operating Current (ina	A)	_ A	3.1	3.4								
	Dimensions	HxWxD	mm	470 - 13	70 - 1120								
	Weight		kg	3	37								
	Air Volume [Lo-Mid-Hi]		m³/min	42 - 51 - 60 (60Pa - 150Pa) 42 - 51 - 55 (200Pa)	50 - 61 - 72 (60Pa - 100Pa) 45 - 55 - 65 (150Pa) 45 - 50 - 55 (200Pa)								
	External Static Pressur	е	Pa	Pa (60) / 75 / (100) / (150) / (200)									
	Sound Level (SPL) [Lo-N	Лid-Hi]	dB(A)	35 - 40 - 43	38 - 43 - 47								
	Sound Level (PWL)		dB(A)	63 - 64 - 64	67 - 67 - 68								
	Dimensions	HxWxD	mm	1338 - 1050	50 - 330 (+40)								
Unit	Weight	•	kg	129	138								
	Air Volume	Cooling	m³/min	140	140								
		Heating	m³/min	140	140								
	Sound Level (SPL)	Cooling	dB(A)	58	59								
		Heating	dB(A)	60	62								
	Sound Level (PWL)	Cooling	dB(A)	78	77								
	Operating Current (ma	x)	А	22.5	22.5								
	Breaker Size		А	32	32								
	Diameter	Liquid / Gas	mm	9.52 / 25.4	12.7 / 25.4								
Piping	Max. Length	Out-In	m	70	70								
	Max. Height	Out-In	m	30	30								

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*2 Optional air protection guide is required where ambient temperature is lower than -5°C.

-15 ~ +46 -20 ~ +21

Cooling*2

Heating

PEA-M SERIES















































POWER I	NVERTER		Quid		Connection Interface Connection Down Connection Self Diagnosis R	ecal								
Туре					William Willia	Heat Pump								
Indoor Ur	nit				PEA-M200LA	PEA-M250LA								
Outdoor I	Jnit				PUHZ-ZRP200YKA3	PUHZ-ZRP250YKA3								
Refrigera	nt				R41	10A*1								
Power	Source				Separate power supply									
Supply	Outdoor (V/Phas	se/Hz)			400 / Three / 50									
Cooling	Capacity	Rated		kW	19.0	22.0								
		Min - I	Vlax	kW	9.0 - 22.4	11.2 - 27.0								
	Total Input	Rated		kW	5.937	7.971								
	EER			·	3.20	2.76								
	EEL Rank				-	-								
Heating	Capacity	Rated			22.4	27.0								
(Average		Min - I	Vlax	kW	9.5 -25.0	12.5 - 31.0								
	Total Input	Rated		kW	6.530	8.181								
	COP				3.43	3.30								
		EEL R	ank		-	-								
Operatin	g Current (max)				22.2	24.4								
Indoor	Input [Cooling / H	leating]	Rated	kW	0.35 / 0.35	0.53 / 0.53								
Unit	Operating Curre	nt (max)		A	3.1	3.4								
	Dimensions		HxWxD	mm	470 - 1370 - 1120									
	Weight			kg	87									
	Air Volume [Lo-N	Лid-Hi]		m³/min	42 - 51 - 60 (60Pa - 150Pa) 42 - 51 - 55 (200Pa)	50 - 61 - 72 (60Pa - 100Pa) 45 - 55 - 65 (150Pa) 45 - 50 - 55 (200Pa)								
	External Static P	ressure		Pa		0) / (150) / (200)								
	Sound Level (SPI		d-Hi]	dB(A)	35 - 40 - 43	38 - 43 - 47								
	Sound Level (PW	/L)		dB(A)	63 - 64 - 64	67 - 67 - 68								
Outdoor			HxWxD	mm	1338 - 105	0 - 330 (+40)								
Unit	Weight			kg	1	35								
	Air Volume		Cooling	m³/min	1	40								
			Heating	m³/min	1	40								
	Sound Level (SPI	L)	Cooling	dB(A)	59									
			Heating	dB(A)	62									
	Sound Level (PW		Cooling	dB(A)										
	Operating Current (max)			А	19.0	21.0								
	Breaker Size A			A										
Ext.	Diameter	Diameter Liquid / Gas mm			9.52 / 25.4	12.7 / 25.4								

^{*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 CO₂, 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 Optional air protection guide is required where ambient temperature is lower than -5°C.

Out-In

Cooling*2

Heating



Max. Length

Max. Height

Guaranteed Operating Range

















30

-15 ~ +46

-20 ~ +21













Piping





m

m

°C











STANDAR	RD INVERTER	cor	Interface ptional Optional	Down connection Set Recall						
Туре				Inverte	r Heat Pump					
Indoor Ur	nit			PEA-M200LA	PEA-M250LA					
Outdoor I	Jnit			PUHZ-P200YKA3	PUHZ-P250YKA3					
Refrigera	nt			R	410A*1					
Power	Source			Separate	power supply					
Supply	Outdoor (V/Phas	se/Hz)		400 /	Three / 50					
Cooling	Capacity	Rated	kW	19.0	22.0					
		Min - Max	kW	9.0 - 22.4	11.2 - 27.0					
	Total Input	Rated	kW	6.188	8.058					
	EER	<u> </u>		3.07	2.73					
		EEL Rank		-	-					
Heating	Capacity	Rated	kW	22.4	27.0					
(Average		Min - Max	kW	9.5 - 25.0	12.5 - 31.0					
Season)	Total Input	Rated	kW	6.706	8.437					
	СОР			3.34	3.20					
		EEL Rank		-	-					
Operatin	g Current (max)			22.2	24.4					
Indoor	Input [Cooling / H	Heating] Rated	kW	0.35 / 0.35	0.53 / 0.53					
Unit	Operating Curre		A	3.1	3.4					
	Dimensions H x W x D mm			470 -	1370 - 1120					
	Weight kg				87					
	Air Volume [Lo-N	//id-Hi]	m³/min	42 - 51 - 60 (60Pa - 150Pa) 42 - 51 - 55 (200Pa)	50 - 61 - 72 (60Pa - 100Pa) 45 - 55 - 65 (150Pa) 45 - 50 - 55 (200Pa)					
	External Static P	Pressure	Pa	(60) / 75 / (1	00) / (150) / (200)					
	Sound Level (SP	L) [Lo-Mid-Hi]	dB(A)	35 - 40 - 43	38 - 43 - 47					
	Sound Level (PW	/L)	dB(A)	63 - 64 - 64	67 - 67 - 68					
	Dimensions	H x W x D	mm	1338 - 10	050 - 330 (+40)					
Unit	Weight	<u> </u>	kg	127	135					
	Air Volume	Cooling	m³/min	140	140					
		Heating	m³/min	140	140					
	Sound Level (SP	L) Cooling	dB(A)	58	59					
		Heating	dB(A)	60	62					
	Sound Level (PW	L) Cooling	dB(A)	78	77					
	Operating Curre	nt (max)	A	19.0	21.0					
	Breaker Size		A	32	32					
Ext.	Diameter	Liquid / Gas	mm	9.52 / 25.4	12.7 / 25.4					
Piping	Max. Length	Out-In	m	70	70					
	Max. Height	Out-In	m	30	30					
	ed Operating Range	e Cooling*2	°C	-15 ~ +46	-15 ~ +46					
[Outdoor]		Heating	°C	-20 ~ +21	-20 ~ +21					

^{*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 CO2, 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 Optional air protection guide is required where ambient temperature is lower than -5°C.



The compact, wall-mounted indoor units offer the convenience of simple installation,

and a large product line-up (M35-M100 models) ensures a best-match solution. Designed for highly efficient energy savings, the PKA Series is the answer to your air conditioning needs.

New Design (M35-50)

PKA

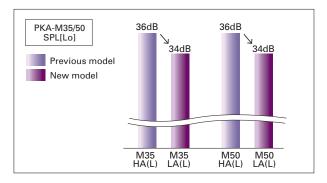
A sharp and simple form that combines beauty and function. The simple square design harmonizes beautifully with the straight lines created by the intersection of the walls, floor and ceiling of the space, leading to a better quality of space. Also adopted a new white body color. It will make your life and space beautiful and comfortable without disturbing the atmosphere of the room. In addition, we realized miniaturization of conventional model. It contributes to space saving of installation area and giving room to room space.



Quietness (M35-50)

The noise level has been significantly reduced compared to the conventional model by reviewing the unit structure and improving the line flow fan.





ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A⁺ and A⁺⁺

Highly efficient indoor unit heat exchangers and and newly designed power inverters (PUHZ-ZM) contribute to an amazing reduction in electricity consumption throughout a year, and have resulted in models in the full-capacity range attaining the rank A, A+ and A++ energy savings rating.



Airflow Control - Horizontal Airflow - (M35-50)

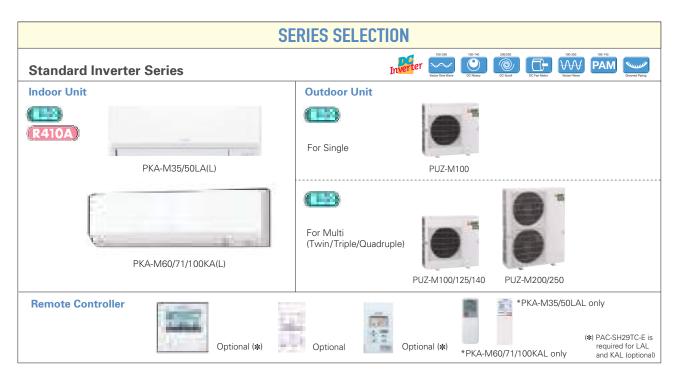
Significantly improved airflow control to achieve horizontal airflow. This reduces the feeling of draft even on a wall-mounted model, and air conditioning the indoor space firmly.

Airflow distributions PKA-M50LA < Cooling mode > Horizontal airflow [m/s] 3:0≡ 0.5 -1.5 0.5 1-0 Height (0 2 Floor distance (m)



PKA-M LA(L)/KA(L) Indoor Unit Combinations Indoor unit combinations shown below are possible.

		Outdoor Unit Capacity																			
Indoor	For Single										For Twin					For Triple			For Quadruple		
			35 50 60 71 100 125 140 200 250						250	71	100	125	140	200	250	140	200	250	200	250	
Power Inverter (PUHZ-ZRP)		35x1	50x1	60×1	71x1	100×1	-	-	-	-	35x2	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4
Distribution Pipe		-	MSDD-50TR2-E MSDD-50WR2-E _					-	MSE	OT-111	MSDF- 1111R2-E										



PKA-M LA/KA Indoor Unit Combinations Indoor unit combinations shown below are possible.

		Outdoor Unit Capacity																			
Indoor	Unit Combination	For Single										For Twin					For Triple			For Qu	adruple
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Standard Inverter (PUHZ-P)		-	-	-	-	100x1	-	-	-	-	-	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	-	-	-	-	-	-	-	_	-	_	MSD	D-50T	R2-E	MSDD- 50WR2-E	-	MSE)T-111	R3-E	MS 1111	DF- R2-E

PKA-M SERIES











































уре						Inverter F	leat Pump		
door U	nit			PKA-M35LA(L)	PKA-M50LA(L)	PKA-M60KA(L)	PKA-M71KA(L)	PKA-M1	00KA(L)
utdoor	Unit			PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100YK
frigera							2*1		
	Source						ower supply		
ylqqı	Outdoor (V/Phase	/Hz)					50, YKA:400 / Three / 50		
ooling	Capacity	Rated	kW	3.6	4.6	6.1	7.1	9.5	9.5
Joining	oupdonly	Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4
	Total Input	Rated	kW	0.850	1.230	1.560	1.863	2.405	2.405
	EER	1		4.20	3.71	3.91	3.81	3.95	3.95
		EEL Rank		-	_	_	_	_	-
	Design Load		kW	3.6	4.6	6.1	7.1	9.5	9.5
	Annual Electricity	Consumption*2	kWh/a	194	244	313	364	508	519
	SEER*4			6.5	6.6	6.8	6.8	6.5	6.4
		Energy Efficiency Class		A++	A++	A++	A++	A++	A++
ating	Capacity	Rated	kW	4.1	5.0	7.0	8.0	11.2	11.2
erage		Min - Max	kW	1.6 - 5.2	2.5 - 6.6	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0
ison)	Total Input	Rated	kW	1.040	1.340	1.732	2.116	3.102	3.102
	COP			3.94	3.72	4.04	3.78	3.61	3.61
		EEL Rank		-	_	-	_	-	-
D	Design Load		kW	2.4	3.3	4.4	4.7	7.8	7.8
	Declared Capacity	at reference design temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)
		at bivalent temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)
		at operation limit temperature	kW	2.2 (-11°C)	3.2 (-11°C)	2.8 (-20°C)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)
	Back Up Heating C		kW	0	0	0	0	0	0
	Annual Electricity	Consumption*2	kWh/a	829	1074	1460	1523	2472	2472
	SCOP*4			4.0	4.3	4.2	4.3	4.4	4.4
		Energy Efficiency Class		Α+	A+	Α+	A+	A+	A+
	g Current (max)	18	A	13.4	13.4	19.4	19.4	27.1	8.6
oor it	Input	Rated	kW	0.04 / 0.03	0.04 / 0.03	0.06 / 0.05	0.06 / 0.05	0.08 / 0.07	0.08 / 0.07
τ	Operating Current		A	0.35	0.35	0.43	0.43	0.57	0.57
	Dimensions <panel></panel>	[H×W×D	mm	299 - 89 12.6		21	365 - 11 21	70 - 295 I 21	21
	Weight <panel> Air Volume [Lo-Mi2</panel>	0.14.4.11.1	kg m³/min	7.5 - 8.2 - 9.2 - 10.9	12.6 7.5 - 8.2 - 9.2- 10.9	18 - 20 - 22	18 - 20 - 22	20 - 23 - 26	20 - 23 - 26
	Sound Level (SPL)		dB(A)	34 - 37 - 40 - 43	34 - 37 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49	41 - 45 - 49
	Sound Level (SPL)		dB(A)	60	60	39 - 42 - 45 64	39 - 42 - 45	65	65
tdoor	Dimensions	H×W×D	mm		09 - 300		- 330 (+25)) - 330 (+40)
ituoor	Weight	IH X W X D	kg	46	46	70	70	116	123
	Air Volume	Cooling	m³/min	45	45	55	55	110	110
	Air volulile	Heating	m³/min	45	45	55	55	110	110
	Sound Level (SPL)		dB(A)	44	44	47	47	49	49
	Soulid Level (SFL)	Heating	dB(A)	46	46	49	49	51	51
	Sound Level (PWL)		dB(A)	65	65	67	67	69	69
	Operating Current		A	13.0	13.0	19.0	19.0	26.5	8.0
	Breaker Size		A	16	16	25	25	32	16
t.	Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
ing	Max. Length	Out-In	m	50	50	55	55	100	100
	Max. Height	Out-In	m	30	30	30	30	30	30
arante	ed Operating Range		°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
utdoor		Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21

^{**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 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 CO₂, 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.

*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 Optional air protection guide is required where ambient temperature is lower than –5°C.

*4 SEER and SCOP are based on 2009/125/EC.Energy-related Products Directive and Regulation(EU) No206/2012.

















































Гуре				Inverter H	leat Pump
	nit				100KA(L)
				PUZ-M100VKA	PUZ-M100YKA
					2*1
Desting Capanal Properties of the Capanal Pr					ower supply
		/11-\		230 / Single / 50	400 / Three /50
Cooling		Rated	kW	9.5	9.5
		Min - Max	kW	4.0 - 10.6	4.0 - 10.6
	Total Input	Rated	kW	2.94	2.94
				3.23	3.23
		EEL Rank		-	-
	Design Load		kW	9.5	9.5
	Annual Electricity	Consumption*2	kWh/a	572	572
	SEER*4	F		5.8	5.8
		Energy Efficiency Class	1114/	A+	A+
eating		Rated	kW	11.2	11.2
		Min - Max	kW	2.8 - 12.5	2.8 - 12.5
eason)	Total Input	Rated	kW	3.28	3.28
				3.41	3.41
		EEL Rank		-	-
	Design Load		kW	8.0	8.0
	Declared Capacity	at reference design temperature	kW	6.0 (-10°C)	6.0 (-10°C)
		at bivalent temperature	kW	7.0 (-7°C)	7.0 (-7°C)
		at operation limit temperature	kW	4.5 (–15°C)	4.5 (-15°C)
	Back Up Heating C		kW	2.0	2.0
	Annual Electricity SCOP*4	Consumption*2	kWh/a	2797	2797
		E Eff. O		4.0 A+	4.0 A+
		Energy Efficiency Class			
	g Current (max)	Rated	kW	20.6 0.08	12.1
	Operating Current			0.08	0.08
iiit	Dimensions <panel></panel>		A mm	365 - 1170 - 295	365 - 1170 - 295
	Weight <panel></panel>	HXWXD		21	305 - 1170 - 295
		1.121	kg m³/min	20 - 23 - 26	20 - 23 - 26
	Air Volume [Lo-Mic Sound Level (SPL)		dB(A)	20 - 23 - 26 41 - 45 - 49	20 - 23 - 26 41 - 45 - 49
	Sound Level (SPL)		dB(A)	65	41 - 45 - 49
		H × W × D		981 - 1050 - 330 (+40)	981 - 1050 - 330 (+40)
	Weight	HXWXD	mm	981 - 1050 - 330 (+40) 76	78
	Air Volume	Cooling	kg m³/min	79.0	78
	Air volume	Heating	m³/min	79.0	79.0
	Sound Level (SPL)	Cooling	dB(A)	79.0	79.0
	Sound Level (SPL)		dB(A)	51	51
	Sound Level (PWL)	Heating	dB(A)	70	70
				20.0	11.5
	Operating Current	(max)	A	32	11.5
	Breaker Size	1: :1/0	A		9.52 / 15.88
xt. iping		Liquid / Gas	mm	9.52 / 15.88	
ihilid	Max. Length	Out-In	m	55	55 30
	Max. Height ed Operating Range	Out-In	m	30	
Juarante	eg Operating Kange	LC00lina*3	°C	-15 ~ +46	-15 ~ +46

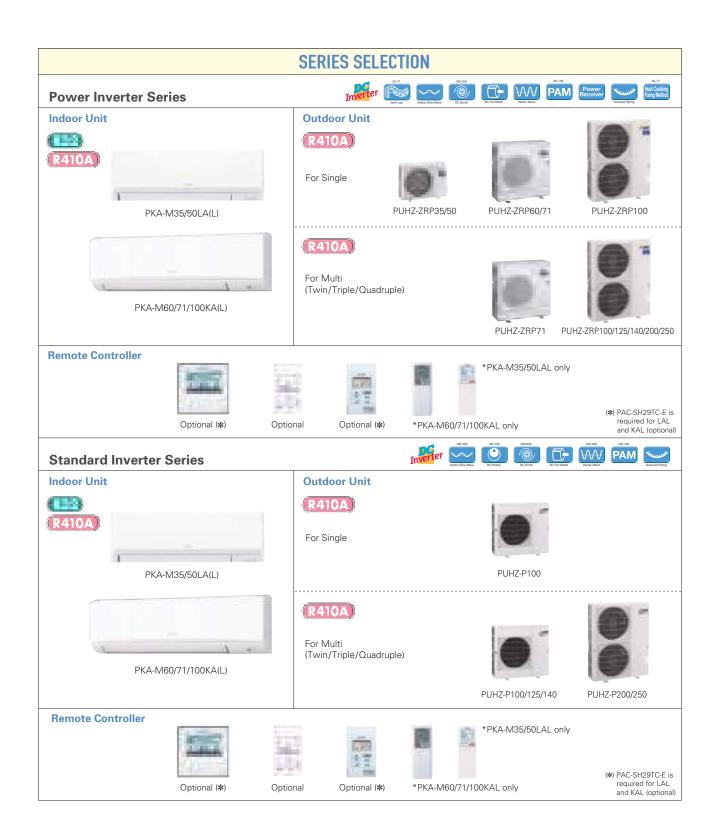
Guaranteed Operating Range | Cooling*3 | °C | -15 - +21 | -15 - +21 | -15 - +21 |

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 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 CO₂, 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.

*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 Optional air protection guide is required where ambient temperature is lower than -5°C.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.



PKA-M LA/KA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor U	nit Ca _l	pacity								
Indoor	Unit Combination				Fo	or Sing	gle						For	Twin			Fo	or Trip	le	For Qu	adruple
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Inverter (PUHZ-ZRP)	35x1	50x1	60×1	71x1	100x1	-	-	-	-	35x2	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	-	-	-	-	-	-	-	-		N	MSDD-	-50TR-	E	MSDD- 50WR-E	-	MS	DT-111	R-E	MSDF-1	1111R-E
Standa	rd Inverter (PUHZ-P)	-	-	-	-	100x1	-	-	-	-	-	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	-	-	-	-	-	-	-	-	-	-	MSI	DD-50	ΓR-E	MSDD- 50WR-E	-	MS	DT-111	R-E	MSDF-1	1111R-E

PKA-M SERIES









































Гуре						Inverter I	leat Pump		
ndoor Ur	nit			PKA-M35LA(L)	PKA-M50LA(L)	PKA-M60KA(L)	PKA-M71KA(L)	PKA-M1	00KA(L)
utdoor l	Unit			PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA
efrigera				1 0112 2111 00 710 12	1 0112 2111 00110 12		0A*1	1 0112 2111 100 110 10	101122111100110
	Source						ower supply		
	Outdoor (V/Phase	/Hz)					/ 50, YKA:400 / Three / 50		
<u> </u>	Capacity	Rated	l kW	3.6	4.6	6.1	7.1	9.5	9.5
ooming	Capacity	Min - Max	kW	1.6 - 4.5	2.3 - 5.4	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4
	Total Input	Rated	kW	0.940	1.424	1.60	1.80	2.40	2.40
	EER	riatoa	1.000	3.80	3.23	3.81	3.94	3.96	3.96
		EEL Rank		_	_	=	_	_	-
	Design Load		T kW	3.6	4.6	6.1	7.1	9.5	9.5
	Annual Electricity	Consumption*2	kWh/a	206	263	324	368	522	533
	SEER*4			6.1	6.1	6.5	6.7	6.3	6.2
		Energy Efficiency Class		A++	A++	A++	A++	A++	A++
eating	Capacity	Rated	kW	4.1	5.0	7.0	8.0	11.2	11.2
verage	,	Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0
	Total Input	Rated	kW	1.070	1.501	1.96	2.19	3.04	3.04
	COP			3.83	3.33	3.57	3.65	3.68	3.68
		EEL Rank		-	-	_	-	-	-
	Design Load		kW	2.4	3.3	4.4	4.7	7.8	7.8
	Declared Capacity	at reference design temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)
		at bivalent temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)
		at operation limit temperature	kW	2.2 (-11°C)	3.2 (-11°C)	2.8 (-20°C)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)
	Back Up Heating C	apacity	kW	0	0	0	0	0	0
	Annual Electricity	Consumption*2	kWh/a	841	1126	1473	1532	2608	2608
	SCOP*4			3.9	4.1	4.2	4.3	4.1	4.1
		Energy Efficiency Class		A	A ⁺	Α+	A+	Α+	A+
	g Current (max)		A	13.4	13.4	19.4	19.4	27.1	8.6
	Input [Cooling / Hea		kW	0.04 / 0.03	0.04 / 0.03	0.06	0.06	0.08	0.08
nit	Operating Current		А	0.35	0.35	0.43	0.43	0.57	0.57
	Dimensions <panel></panel>	H × W × D	mm		98 - 237		365 - 11		
	Weight <panel></panel>		kg	12.6	12.6	21	21	21	21
	Air Volume [Lo-Mi2		m³/min	7.5 - 8.2 - 9.2 - 10.9	7.5 - 8.2 - 9.2 - 10.9	18 - 20 - 22	18 - 20 - 22	20 - 23 - 26	20 - 23 - 26
	Sound Level (SPL)		dB(A)	34 - 37 - 40 - 43	34 - 37 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49	41 - 45 - 49
	Sound Level (PWL		dB(A)	60	60	64	64	65	65
utdoor nit	Dimensions	$H \times W \times D$	mm		09 - 300		- 330 (+30)) - 330 (+40)
mt	Weight	I Castina	kg	43 45	46 45	70 55	70 55	116	123 110
	Air Volume	Cooling	m³/min			55 55	55	110 110	110
	Carrad Larrad (CDL)	Heating	m³/min dB(A)	45 44	45 44	47	47	49	49
	Sound Level (SPL)	Cooling		44	44	47	47	49	49
	Carrad Larrad (DVA)	Heating	dB(A)	46 65	46 65	48 67	67	69	69
	Sound Level (PWL)	Cooling		13.0	13.0	19.0	19.0	26.5	8.0
	Operating Current Breaker Size	(IIIdX)	A	13.0	13.0	25	19.0	32	16
ĸt.	Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
	Max. Length	Out-In	mm	50	50	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
huig	Max. Height	Out-In	m	30	30	30	30	30	30
oronto	ed Operating Range	Coolina*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
uarante Outdoor]		Heating	°C	-15 ~ +46 -11 ~ +21	-15 ~ +46 -11 ~ +21	-15 ~ +46 -20 ~ +21	-20 ~ +21	-15 ~ +40 -20 ~ +21	-20 ~ +21

^{*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 CO₂, 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 R410A is 2088 in the IPCC 4th Assessment Report.

Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

3 Optional air protection guide is required where ambient temperature is lower than –5°C.

4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.















































Type Indoor Unit	Inver	rter Heat Pump
Indoor Unit		
IIIdoor Offit		(A-M100KA(L)
Outdoor Unit	PUHZ-P100VKA	PUHZ-P100YKA
Refrigerant		R410A*1
Power Source		oor power supply
Supply Outdoor (V/Phase/Hz)	230 / Single / 50	400 / Three / 50
Cooling Capacity Rated kW	9.4	9.4
Min - Max kW	3.7 - 10.6	3.7 - 10.6
Total Input Rated kW	3.12	3.12
EER	3.01	3.01
EEL Rank		-
Design Load kW	9.4	9.4
Annual Electricity Consumption*2 kWh/a SEER*4	586	586 5.6
Energy Efficiency Class	5.6 A+	5.6 A+
Heating Capacity Rated kW	11.2	11.2
(Average Min - Max kW	2.8 - 12.5	2.8 - 12.5
Season) Total Input Rated kW	3.48	3.48
COP	3.21	3.21
EEL Rank	-	-
Design Load kW	8.0	8.0
Declared Capacity at reference design temperature kW	6.0 (-10°C)	6.0 (-10°C)
at bivalent temperature kW	7.0 (-7°C)	7.0 (-7°C)
at operation limit temperature kW	4.5 (-15°C)	4.5 (-15°C)
Back Up Heating Capacity kW	2.0	2.0
Annual Electricity Consumption*2 kWh/a	2795	2795
SCOP*4	4.0	4.0
Energy Efficiency Class	A+	A+
Operating Current (max) Indoor Input Rated kW	20.6	12.1
Indoor	0.08 0.57	0.08
Dimensions <panel> H × W × D mm</panel>		55 - 1170 - 295
Weight <panel> kg</panel>	21	21
Air Volume [Lo-Mid-Hi] m³/min	20 - 23 - 26	20 - 23 - 26
Sound Level (SPL) [Lo-Mid-Hi] dB(A)	41 - 45 - 49	41 - 45 - 49
Sound Level (PWL) dB(A)	65	65
Outdoor Dimensions H × W × D mm		11 - 1050 - 330
Unit Weight kg	76	78
Air Volume Cooling m³/min	79	79
Heating m³/min	79	79
Sound Level (SPL) Cooling dB(A)	51	51
Heating dB(A)	54	54
Sound Level (PWL) Cooling dB(A)	70	70
Operating Current (max)	20.0	11.5
Breaker Size A Ext. Diameter Liquid / Gas mm	32 9.52 / 15.88	16 9.52 / 15.88
	9.52 / 15.88 50	9.52 / 15.88
Piping Max. Length Out-In m Max. Height Out-In m	30	30
Guaranteed Operating Range Cooling*3 °C		-15 ~ +46
[Outdoor] Heating °C	-15 ~ +40 -15 ~ +21	-15 ~ +40 -15 ~ +21

^{**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 CO2, 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 R410A is 2088 in the IPCC 4th Assessment Report.

*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 Optional air protection guide is required where ambient temperature is lower than –5°C.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.





A stylish new indoor unit design and airflow settings for both high- and low-ceiling interiors expand installation possibilities. Together with exceptional energy-saving performance, these units are the solution to diversified air conditioning needs.

Stylish Indoor Unit Design

A stylish square-like design is adopted for the indoor units of all models. As a result, the units blend in better with the ceiling.



PCA-KA

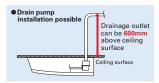
ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

A direct-current (DC) fan motor is isntalled in the indoor unit, increasing the seasonal energy efficiency of newly designed Power Inverter series (PUHZ-ZM) and resulting in the full capacity models comply ErP Lot 10 with energy ranking A+/A++ for cooling and A/A+ for heating. This contribute to an impressive reduction in the cost of annual electricity.



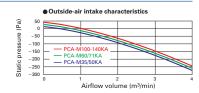
Optional Drain Pump for Full-capacity Models

The pumping height of the optional drain pump has been increased from 400mm to 600mm, expanding flexibility in choosing unit location during installation work.



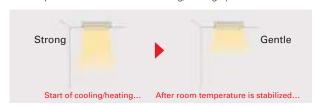
Outside-air Intake

Units are equipped with a knock-out hole that enables the induction of fresh outside-air.



Equipped with Automatic Air-speed Adjustment

In addition to the conventional 4-speed setting, units are now equipped with an automatic air-speed adjustment mode. This setting automatically adjusts the air-speed to conditions that match the room environment. At the start of heating/cooling operation, the airflow is set to high-speed to quickly heat/cool the room. When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable comfortable heating/cooling operation.



Equipped with High-/Low-ceiling Modes

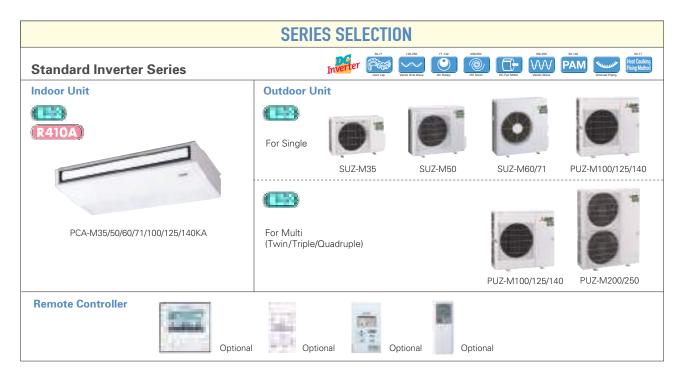
Units are equipped with high- and low-ceiling operation modes that make it possible to switch the airflow volume to match room height. The ability to choose the optimum airflow volume makes it possible to optimize the breezy sensation felt throughout the room.

Capacity	High ceiling	Standard ceiling	Low ceiling
35	3.5m	2.7m	2.5m
50	3.5m	2.7m	2.5m
60	3.5m	2.7m	2.5m
71	3.5m	2.7m	2.5m
100	4.2m	3.0m	2.6m
125	4.2m	3.0m	2.6m
140	4.2m	3.0m	2.6m



PCZ-M KA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Ur	nit Cap	acity								
Indoor	Indoor Unit Combination				Fo	or Sing	gle						For	Twin			F	or Trip	le	For Qu	adruple
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Power Inverter (PUHZ-ZRP)		50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	-	-	-	-	-	_	_	_	-	N	1SDD-	50TR2	-E		DD- 'R2-E	MSE)T-111	R3-E		DF- R2-E



PCZ-M KA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor U	nit Cap	acity								
Indoor	Unit Combination				Fo	or Sing	gle						For	Twin			F	or Trip	le	For Qu	adruple
				60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Standa	ard Inverter (PUHZ-P&SUZ)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	-	-	-	-	-	_	_	-	-	_	MSD	D-50T	R2-E	MSI 50W	DD- R2-E	MSE	DT-111	R3-E	MS 1111	DF- R2-E























































TOWER	MYENTEN -		Optional	Optional	Optional	Optional	Com		Optional	Optional		Diagnosis	ALL .
Туре								Inverter H	leat Pump				
Indoor Ur	nit			PCA- M35KA	PCA- M50KA	PCA- M60KA	PCA- M71KA	PCA-N	1100KA	PCA-N	1125KA	PCA-M	140KA
Outdoor	Unit			PUZ- ZM35VKA	PUZ- ZM50VKA	PUZ- ZM60VHA	PUZ- ZM71VHA	PUZ- ZM100VKA	PUZ- ZM100YKA	PUZ- ZM125VKA	PUZ- ZM125YKA	PUZ- ZM140VKA	PUZ- ZM140YKA
Refrigera	nt				ı			R3	2*1			1	
	Source								wer supply				
Supply	Outdoor (V/Phase	·/Hz)						IA:230 / Single /	,	,			
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.0	6.2 - 15.0
	Total Input	Rated	kW	0.829	1.250	1.521	1.829	2.317	2.317	3.846	3.846	3.941	3.941
	EER			4.34	4.00	4.01	3.88	4.10	4.10	3.25	3.25	3.40	3.40
		EEL Rank			-	-	-	-	-	-	-	-	-
	Design Load	2	kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-	_
	Annual Electricity	Consumption*2	kWh/a	197	260	328	371	513	523	_	-	-	-
	SEER*4	Energy Efficiency Class		6.4 A++	6.7 A++	6.5 A++	6.7 A++	6.4 A++	6.3 A++	-	-	-	-
	0		110/		5.5	7.0	8.0	11.2	11.2	14.0		16.0	16.0
Heating	Capacity	Rated	kW kW	4.1 1.6-5.2	2.5 - 6.6	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	14.0 5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
(Average Season)	Total Input	Min - Max Rated	kW	1.0-5.2	1.361	1.745	2.156	3.018	3.018	3.954	3.954	4.432	4.432
Jeason)	COP	nated	KVV	4.02	4.04	4.01	3.71	3.018	3.71	3.54	3.954	3.61	3.61
	COP	EEL Rank		4.02	4.04	4.01	3.71	3.71	3.71	3.54	3.54	3.01	3.01
	Design Load	EEL Nank	kW	2.4	3.8	4.4	4.7	7.8	7.8	_			_
		at reference design temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (–10°C)	7.8 (–10°C)	_			
	Deciared Capacity	at bivalent temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	_	_	_	
		at operation limit temperature	kW	2.2 (-11°C)	3.7 (-11°C)	2.8 (-20°C)	3.5 (–20°C)	5.8 (-20°C)	5.8 (-20°C)	_		- -	
	Back Up Heating (kW	0	0	0	0.5 (20 0)	0.0 (20 0)	0.0 (20 0)	_	-	_	_
	Annual Electricity		kWh/a	839	1265	1499	1563	2539	2539	_	_		
	SCOP*4	Consumption	KVVII/G	4.0	4.2	4.1	4.2	4.3	4.3	_	_		
	0001	Energy Efficiency Class		Δ+	A+	Α+	A+	A+	A+	-	_	_	_
Operatin	g Current (max)	, , ,	Α	13.3	13.4	19.4	19.4	27.2	8.7	27.3	10.3	28.9	13.9
Indoor	Input	Rated	kW	0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14	0.14
Unit	Operating Current	(max)	Α	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90	0.90
	Dimensions <panel></panel>	$H \times W \times D$	mm	230 - 96	60 - 680	230 - 12	80 - 680		•	230 - 16	600 - 680	•	
	Weight <panel></panel>		kg	25	26	32	32	37	37	38	38	40	40
	Air Volume [Lo-Mi		m³/min	10-11-12-14	10-11-13-15	15-16-17-19	16-17-18-20	22-24-26-28	22-24-26-28	23-25-27-29	23-25-27-29	24-26-29-32	24-26-29-3
	Sound Level (SPL)		dB(A)									41-43-45-48	
	Sound Level (PWL		dB(A)	60	60	60	62	63	63	65	65	68	68
	Dimensions	$H \times W \times D$	mm		9 - 300		330 (+25)				0 - 330 (+40)		
Unit	Weight	To ::	kg	46	46	70	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
		Heating	m³/min	45	45	55	55	110	110	120	120	120	120
	Sound Level (SPL)	Cooling	dB(A)	44	44 46	47	47	49 51	49 51	50 52	50	50 52	50
	Carrad Larrad (DVA)	Heating	dB(A)	46 65	46 65	49 67	49 67	69	69	70	52 70	70	52 70
	Sound Level (PWL) Operating Current			13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0
	Breaker Size	(max)	A	13.0	13.0	25	25	32	16	32	9.5	40	13.0
Ext.	Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Ext. Piping	Max. Length	Out-In	m	50	50	55	55	100	100	100	100	100	100
pmg	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30	30
Guaranto	ed Operating Range	Coolina*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
[Outdoor]		Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
		neaung	_										

^{*1} Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with linipher 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 CO₂, 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.
*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 Optional air protection guide is required where ambient temperature is lower than -5°C.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.























































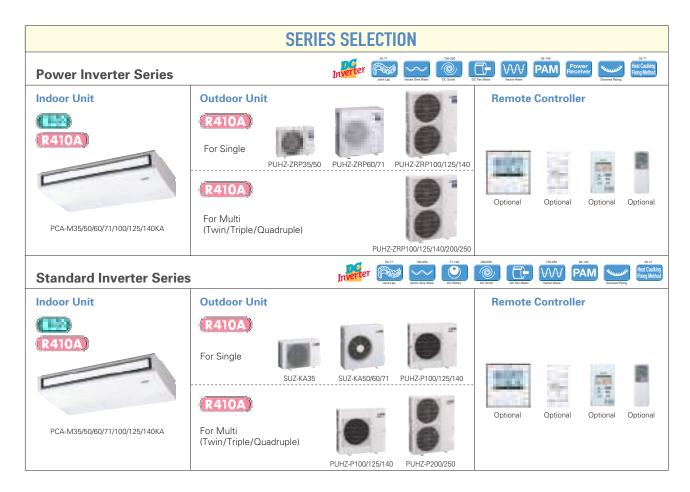






Туре								Inverter H	eat Pump				
Indoor Ur	nit			PCA- M35KA	PCA- M50KA	PCA- M60KA	PCA- M71KA	PCA-N	1100KA	PCA-M	1125KA	PCA-M	1140KA
Outdoor				SUZ- M35VA	SUZ- M50VA	SUZ- M60VA	SUZ- M71VA	PUZ- M100VKA	PUZ- M100YKA	PUZ- M125VKA	PUZ- M125YKA	PUZ- M140VKA	PUZ- M140YKA
Refrigera									2*1				
	Source								wer supply				
Supply	Outdoor (V/Phase	/Hz)							50, YKA:400 / T				
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
	' '	Min - Max	kW	0.8 - 3.9	1.5 - 5.6	1.6 - 6.3	2.2 - 8.1	4.0 - 10.6	4.0 - 10.6	5.7 - 13.0	5.7 - 13.0	5.7 - 14.1	5.7 - 14.1
	Total Input	Rated	kW	0.90	1.51	1.64	1.97	2.94	2.94	4.01	4.01	5.36	5.36
	EER			4.00	3.30	3.70	3.60	3.23	3.23	3.01	3.01	2.50	2.50
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
	Annual Electricity	Consumption*2	kWh/a		291	333	381	552	552	-	-	-	-
	SEER*4	•		6.3	6.0	6.4	6.5	6.0	6.0	-	-	-	-
		Energy Efficiency Class		A++	A+	A++	A++	A+	A+	-	-	-	-
	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	13.5	13.5	15.0	15.0
(Average	' '	Min - Max	kW	1.0 - 5.0	1.5 - 7.2	1.6 - 8.0	2.0 - 10.2	2.8 - 12.5	2.8 - 12.5	4.1 - 15.0	4.1 - 15.0	4.2 - 15.8	4.2 - 15.8
Season)	Total Input	Rated	kW	1.02	1.61	1.75	2.21	3.28	3.28	3.95	3.95	4.28	4.28
	COP			4.00	3.71	4.00	3.61	3.41	3.41	3.41	3.41	3.50	3.50
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	2.6	4.3	4.6	5.8	8.0	8.0	8.5	8.5	9.4	9.4
	Declared Capacity	at reference design temperature	kW	2.3 (-10°C)	3.8 (-10°C)	4.1 (-10°C)	5.2 (-10°C)	6.0 (-10°C)	6.0 (-10°C)	8.5 (-10°C)	8.5 (-10°C)	9.4 (-10°C)	9.4 (-10°C)
		at bivalent temperature	kW	2.3 (-7°C)	3.8 (-7°C)	4.1 (-7°C)	5.2 (-7°C)	7.0 (-7°C)	7.0 (-7°C)	8.5 (-10°C)	8.5 (-10°C)	9.4 (-10°C)	9.4 (-10°C)
		at operation limit temperature	kW	2.3 (-10°C)	3.8 (-10°C)	4.1 (-10°C)	5.2 (-10°C)	4.5 (-15°C)	4.5 (-15°C)	6.0 (-15°C)	6.0 (-15°C)	7.0 (-15°C)	7.0 (-15°C)
	Back Up Heating C	apacity	kW	0.3	0.5	0.5	0.6	2.0	2.0	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	909	1456	1555	1971	2719	2719	-	-	-	-
	SCOP*4	•		4.0	4.1	4.1	4.1	4.1	4.1	-	-	-	-
		Energy Efficiency Class		A+	A+	A+	A+	A ⁺	A ⁺	-	-	-	-
	g Current (max)		А	8.8	13.9	15.2	15.2	20.7	12.2	27.3	12.3	30.9	12.4
Indoor	Input	Rated	kW	0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14	0.14
Unit	Operating Current		А	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90	0.90
	Dimensions <panel></panel>	$H \times W \times D$	mm	230 - 96	0 - 680		80 - 680				600 - 680		
	Weight <panel></panel>		kg	25	26	32	32	37	37	38	38	40	40
	Air Volume [Lo-Mi2		m³/min								23-25-27-29		
	Sound Level (SPL)		dB(A)								39-41-43-45		
	Sound Level (PWL		dB(A)	60	60	60	62	63	63	65	65	68	68
	Dimensions	$H \times W \times D$	mm	550 - 800 - 285			10 - 330				- 330 (+40)		
Unit	Weight		kg	35	41	54	55	76	78	84	85	84	85
	Air Volume	Cooling	m³/min	34.3	45.8	50.1	50.1	79.0	79.0	86.0	86.0	86.0	86.0
		Heating	m³/min	32.7	43.7	50.1	50.1	79.0	79.0	92.0	92.0	92.0	92.0
	Sound Level (SPL)	Cooling	dB(A)	48	48	49	49	51	51	54	54	55	55
		Heating	dB(A)	48	49	51	51	54	54	56	56	57	57
	Sound Level (PWL)		dB(A)	59	64	65	66	70	70	72	72	73	73
	Operating Current	(max)	А	8.5	13.5	14.8	14.8	20.0	11.5	26.5	11.5	30.0	11.5
	Breaker Size		А	10	20	20	20	32	16	32	16	40	16
Ext.	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Piping	Max. Length	Out-In	m	20	30	30	30	50	55	65	65	65	65
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30

[&]quot;C -10 ~ +24 | -15 ~ +24 | -10 ~ +24 | -10 ~ +24 | -15 ~ +24 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -1 | Cultidoor| | Heating | "U | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 |



PCA-M KA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Ui	nit Cap	pacity								
Indoor	Unit Combination				Fo	or Sing	gle						For	Twin			Fo	or Trip	le	For Qu	adruple
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Power Inverter (PUHZ-ZRP)		50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	-	-	-	-	-	-	-	-	-	-	MSE	D-50	ΓR-E	MSDD-	50WR-E	MSI	DT-11	1R-E	MSDF-1	1111R-E
Standa	rd Inverter (PUHZ-P&SUZ)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	_	_	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	_	_	_	_	_	_	_	_	_	_	MSI	DD-50	TR-E	MSDD-	50WR-E	MSI	DT-11	1R-E	MSDF-1	1111R-E

PCA-M KA SERIES



























Demand Control White Name AUTO Name France in the State of Check Name Control Coding Name Ampere Back-up Group Group Group Control Contr

			Optional	Optional	Optional	Optional			Optional	Optional			
Туре								Inverter H	eat Pump				
Indoor Ur	nit			PCA- M35KA	PCA- M50KA	PCA- M60KA	PCA- M71KA	PCA-N	1100KA	PCA-N	1125KA	PCA-N	140KA
Outdoor	Unit			PUHZ- ZRP35VKA2	PUHZ- ZRP50VKA2	PUHZ- ZRP60VHA2	PUHZ- ZRP71VHA2	PUHZ- ZRP100VKA3	PUHZ- ZRP100YKA3	PUHZ- ZRP125VKA3	PUHZ- ZRP125YKA3	PUHZ- ZRP140VKA3	PUHZ- ZRP140YKA3
Refrigera	nt							R41	0A*1				
Power	Source							Outdoor po	wer supply				
Supply	Outdoor (V/Phase	/Hz)					VKA • VH	A:230 / Single /		Three / 50			
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
Cooming		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.0	6.2 - 15.0
		Rated	kW	0.86	1.34	1.66	1.82	2.42	2.42	3.98	3.98	3.95	3.95
	EER			4.19	3.73	3.67	3.90	3.93	3.93	3.14	3.14	3.39	3.39
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	202	283	340	367	542	553	-	-	-	-
	SEER*4	•		6.2	6.1	6.2	6.7	6.1	6.0	-	_	-	-
		Energy Efficiency Class		A++	A++	A++	A++	A++	A+	-	-	-	-
Heating	Capacity	Rated	kW	4.1	5.5	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
(Average		Min - Max	kW	1.6 - 5.2	2.5 - 6.6	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
Season)	Total Input	Rated	kW	1.02	1.45	1.93	2.20	3.04	3.04	3.80	3.80	4.57	4.57
	COP			4.02	3.79	3.63	3.64	3.68	3.68	3.68	3.68	3.50	3.50
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	2.4	3.8	4.4	4.7	7.8	7.8	-	-	-	_
	Declared Capacity	at reference design temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	-	-	-
		at bivalent temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	-	-	-
		at operation limit temperature	kW	2.2 (-11°C)	3.7 (-11°C)	2.8 (-20°C)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	_	-	-	-
	Back Up Heating C	apacity	kW	0	0	0	0	0	0	_	-	-	-
	Annual Electricity	Consumption*2	kWh/a	815	1257	1458	1519	2837	2837	-	-	-	-
	SCOP*4			4.1	4.2	4.3	4.3	3.9	3.9	-	-	-	-
		Energy Efficiency Class		Α+	A+	A+	A ⁺	A	A	-	-	-	-
	g Current (max)		Α	13.3	13.4	19.4	19.4	27.2	8.7	27.3	10.3	28.9	13.9
Indoor		Rated	kW	0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14	0.14
Unit	Operating Current		A	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90	0.90
	Dimensions <panel></panel>	[H×W×D	mm	230 - 96		230 - 12		0.7	37		600 - 680		10
	Weight <panel></panel>		kg	25	26	32	32	37		38	38	40 24-26-29-32	40
	Air Volume [Lo-Mi2		m³/min	10-11-12-14	10-11-13-15	15-16-17-19	16-17-18-20	22-24-26-28	22-24-26-28	23-25-27-29	23-25-27-29	41-43-45-48	24-26-29-32
	Sound Level (SPL) Sound Level (PWL		dB(A)	60	60	60	62	63	63	65	65	68	68
Outdoor		H × W × D	mm	630 - 80		943 - 950		03	03		0 - 330 (+40)	00	00
Unit	Weight	IH X VV X D	kg	43	46	70	70	116	123	1338 - 1050	125	118	131
Oilit	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
	All volulile	Heating	m³/min	45	45	55	55	110	110	120	120	120	120
	Sound Level (SPL)		dB(A)	44	44	47	47	49	49	50	50	50	50
	Sound Level (SFL)	Heating	dB(A)	46	46	48	48	51	51	52	52	52	52
	Sound Level (PWL)		dB(A)	65	65	67	67	69	69	70	70	70	70
	Operating Current		A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0
	Breaker Size		A	16	16	25	25	32	16	32	16	40	16
Ext.		Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Piping	Max. Length	Out-In	m	50	50	50	50	75	75	75	75	75	75
	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30	30
Guarante	ed Operating Range		°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
[Outdoor		Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
			_							<u> </u>			

^{**}H Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with line warming than a refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with line warming warming than a refrigerant with line warming warming than a refrigerant with line warming warming warming warming warming than a refrigerant warming would be 1975 times higher than 1 kg of CO₂, 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 R410A is 2088 in the IPCC 4th Assessment Report.

*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 Optional air protection guide is required where ambient temperature is lower than –5°C.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.



































































	PUHZ		PUHZ			
MXZ Cleaning free,	Wiring Beuse	Drain Lift Up	Pump	Flare connection	Sell	Failure Beca

		Optional	Optional		Optional Optional	Optional			Optional	Optional		Diagnosis	
Туре								Inverter F	leat Pump				
Indoor Ur	nit			PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M	1100KA	PCA-N	1125KA	PCA-N	1140KA
Outdoor	Unit			SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUH7-P100VKA	PUH7-P100YKA	PUH7-P125VKA	PUHZ-P125YKA	PUH7-P140VKA	PUH7-P140YKA
Refrigera								R41					
Power	Source								wer supply				
	Outdoor (V/Phase	/H ₂)					VΔ • VK/	\:230 / Single / !		hree / 50			
	Capacity	Rated	l kW	3.6	5.0	5.7	7.1	9.4	9.4	12.1	12.1	13.6	13.6
Cooling	Сарасіту	Min - Max	kW	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 14.1	5.8 - 14.1
	T	Rated	kW	1.4 - 3.9	1.550	1.720	2.8 - 8.1	3.7 - 10.6	3.7 - 10.6	4.24	4.24	5.62	5.62
	Total Input EER	Inarea	KVV	3.43	3.23	3.31	3.45	3.08	3.08	2.85	2.85	2.41	2.41
	EEK	EEL Rank		3.43	3.23	3.31	3.45	3.08	3.08	2.85	2.85	2.41	2.41
	B	EEL RANK	l kW	3.6	5.0	5.7	7.1	9.4	9.4	_	_	_	
	Design Load Annual Electricity	C*?	kWh/a	209	296	325	409	9.4 586	9.4 586	_	_		
	SEER*4	Consumption	KVVII/a	6.0	5.8	6.1	6.0	5.6	5.6	_	_	-	
	SEEK."	Energy Efficiency Class		A+	5.8 A+	δ.1 Δ++	6.0 A+	5.6 A+	5.6 A+				
1	Cit		l kW	4.1	5.5	6.9	7.9		11.2	13.5	- 10 F	15.0	15.0
	Capacity	Rated Min - Max	kW	1.7 - 5.0	5.5 1.7 - 6.6	2.5 - 8.0	7.9 2.6 - 10.2	11.2 2.8 - 12.5	2.8 - 12.5	13.5 4.8 - 15.0	13.5 4.8 - 15.0	15.0 4.9 - 15.8	4.9 - 15.8
Average Season)	Tatal lames				1.7 - 6.6				3.37				
JE03011)	Total Input	Rated	kW	1.050 3.90	3.62	1.910 3.61	2.180 3.62	3.37 3.32		4.06 3.32	4.06	4.47 3.35	4.47 3.35
	COP	EEL D		3.90	3.02	3.01	3.02	3.32	3.32	3.32	3.32	3.35	3.35
	B	EEL Rank	l kW	2.6	4.0	4.8	5.8	8.0	8.0				
	Design Load	T		2.3 (–10°C)						-	-	-	-
	Declared Capacity	at reference design temperature	kW	2.3 (-10°C) 2.3 (-7°C)	3.6 (-10°C) 3.6 (-7°C)	4.0 (-10°C)	5.2 (-10°C)	6.0 (-10°C)	6.0 (-10°C) 7.0 (-7°C)	-	-	-	-
		at bivalent temperature	kW			4.3 (-7°C)	5.2 (-7°C)	7.0 (–7°C)		-	-	-	-
		at operation limit temperature	kW	2.3 (-10°C)	3.6 (-10°C)	4.0 (-10°C)	5.2 (-10°C)	4.5 (-15°C)	4.5 (–15°C)	-	-	-	-
	Back Up Heating		kW	0.3	0.4 1398	0.8 1678	0.6	2.0	2.0	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	887			2028	2726	2726	-	-	-	-
	SCOP*4	E E(C: 0)		4.1 A ⁺	4.0 A ⁺	4.0	4.3 A+	4.1	4.1	-	-	-	-
	0	Energy Efficiency Class		8.5	12.4	A+ 14.4		A+ 20.7	A+	27.3	-	30.9	-
	g Current (max)	In	A	0.04			16.5		12.2		12.3		12.4
ndoor Jnit	Input	Rated	kW	0.04	0.05 0.37	0.06 0.39	0.06 0.42	0.09 0.65	0.09 0.65	0.11 0.76	0.11	0.14	0.14 0.90
Jnit	Operating Current		Α					0.65	0.65		0.76	0.90	0.90
	Dimensions <panel></panel>	IH × W × D	mm	230-96		230-12		0.7			00-680	4.0	40
	Weight <panel></panel>		kg	25	26	32	32	37	37	38	38	40	
	Air Volume [Lo-Mi		m³/min								23-25-27-29		
	Sound Level (SPL		dB(A)	60		60				65		68	68
	Sound Level (PWI			550 - 800 - 285	60	880 - 840 - 330	62	63	63		65	08	08
Jutaoor Jnit	Dimensions	$H \times W \times D$	mm kg	35	54	880 - 840 - 330 50	53	76	78	981 - 10 84	50 - 330 85	84	85
Jiill .	Weight Air Volume	I Caslina	m³/min	36.3	54 44.6	40.9	50.1	76 79	78 79	84	85 86	84	86
	Air volume	Cooling		36.3	44.6	40.9	48.2		79	92	92		92
	C	Heating	m³/min			49.2 55		79 51				92 56	92 56
	Sound Level (SPL)		dB(A)	49 50	52		55	51	51 54	54 56	54 56	56 57	56
	0 11 1/01/11	Heating	dB(A)	62	52 65	55 65	55 69	54 70	54 70	72	72	75	75
	Sound Level (PWL)			62 8.2	12.0	14.0	16.1	20.0		26.5	11.5	30.0	
	Operating Current	(max)	A						11.5	26.5 32			11.5
Ext.	Breaker Size	II:::d / C	A	10	20	20	20 9.52 / 15.88	32	16		16	40	16
	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88		9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Piping	Max. Length	Out-In	m	20	30	30	30	50	50	50	50	50	50
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30
Guaranteed Operating Range Cooling*3			°C	-10 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
[Outdoor]		Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21

^{*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 COz, 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 R410A is 2088 in the IPCC 4th Assessment Report.

*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 Optional air protection guide is required where ambient temperature is lower than -5°C.

*4 SEER and SCOP are based on 2009/125/EC.Energy-related Products Directive and Regulation(EU) No206/2012.



Tough on Oily Smoke

A durable stainless steel casing that is resistant to oil and grease is provided to protect the surface of the body. Grimy dirt and stains are removed easily, enabling the unit to be kept clean at all times.

High-performance Oil Mist Filter

A high-performance heavy-duty oil mist filter is included as standard equipment. The filtering system is more efficient than conventional filters, thereby effectively reducing the oily smoke entering the air conditioner. The filter is disposable, thereby enabling trouble-free cleaning and maintenance.

Oil Mist Filter Cleaning

When used in kitchens, the oil mist filter should be replaced once every two months. The system comes with 12 filters elements. After these have been used, optional elements (PAC-SG38KF-E) can be purchased.







Pull the handle to easily slide the filter out

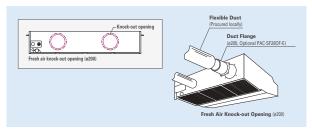
Easy Maintenance – Even for Cleaning the Fan

A separate fan casing that can be disassembled in sections is adopted to ensure easy fan cleaning. Drain pan cleaning onsite is also no problem owing to the use of a pipe connector that is easily removed.



Fresh Outside-air Intake (Option)

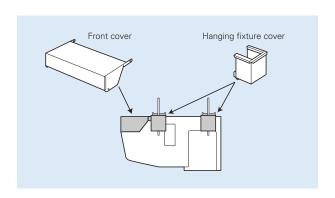
There is a knock-out opening on the rear panel of the unit that can be used to bring fresh air into the unit. This helps to improve ventilation and make the kitchen comfortable.

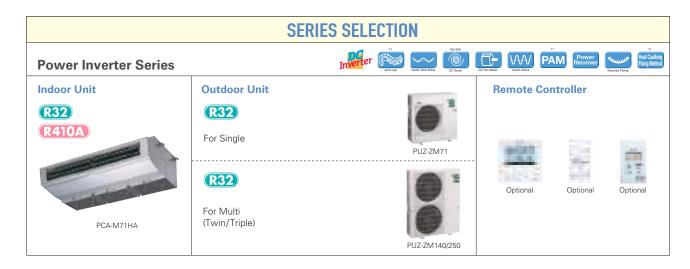


Notes: 1) A fresh-air duct flange is required (sold separately) 2) Intake air is not 100% fresh (outside) air.

Cosmetic Front and Hanging Fixture Covers (Option)

Cosmetic covers are available to prevent the collection of dust and grime on the main body and hanging fixture sections.





PCA-M HA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Ui	nit Cap	acity								
Indoor	Unit Combination		For Single For Twin										F	or Trip	le	For Quadruple					
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Inverter (PUZ-ZM)	-	-	-	71x1	-	-	-	-	-	_	-	-	71x2	-	-	_	-	71x3	-	
	Distribution Pipe			-	-	-	-	-	-	-	-	-	-	MSDD- 50TR2-E	-	-	_	-	MSDT- 111R3-E	-	_



PCA-M HA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Ui	nit Cap	acity								
Indoor	Unit Combination				Fc	r Sing	le						For ⁻	Twin			F	or Trip	le	For Qu	adruple
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Inverter (PUHZ-ZRP)	-	-	-	71x1	-	-	-	-	-	-	-	-	71x2	-	-	-	-	71x3	-	-
	Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50TR-E	-	-	-	-	MSDT-111R-E	-	_

PCA-M HA SERIES





































Туре				Inverter h	leat Pump
ndoor Ur	nit			PCA-N	И71HA
utdoor	Unit			PUHZ-ZRP71VHA2	PUZ-ZM71VHA
efrigera				R410A DX*1	R32 DX*1
	Source				ower supply
upply	Outdoor (V/Phase	/Hz)		230 / S	ingle / 50
	Capacity	Rated	kW	7.1	7.1
oomig	Cupuoity	Min - Max	kW	3.3 - 8.1	3.3 - 8.1
	Total Input	Rated	kW	2.17	2.02
	EER			-	_
		EEL Rank		-	-
	Design Load		kW	7.1	7.1
	Annual Electricity	Consumption*2	kWh/a	447	444
	SEER*4	•		5.6	5.6
		Energy Efficiency Class		A+	A+
eating	Capacity	Rated	kW	7.6	7.6
verage		Min - Max	kW	3.5 - 10.2	3.5 - 10.2
ason)	Total Input	Rated	kW	2.35	2.17
	COP			-	-
		EEL Rank		-	-
	Design Load		kW	4.7	4.7
	Declared Capacity	at reference design temperature	kW	4.7	4.7
		at bivalent temperature	kW	4.7	4.7
		at operation limit temperature	kW	3.5	3.7
	Back Up Heating (kW	0.0	0.0
	Annual Electricity	Consumption*2	kWh/a	1751	1673
	SCOP*4			3.8	3.9
		Energy Efficiency Class		A	A
	g Current (max)		A		9.4
loor	Input	Rated	kW		.10
IIT	Operating Current	(max)	А		.43
	Dimensions <panel> Weight <panel></panel></panel>	I H × W × D	mm		136 - 650
	Air Volume [Lo-Hi]		kg m³/min		42 - 18
	Sound Level (SPL)	0 - 113	dB(A)		- 39
	Sound Level (SPL)		dB(A)		- 39 57
ıtdoor	Dimensions	H×W×D	mm	943 - 950 - 330 (+30)	943 - 950 - 330 (+25)
nit	Weight	IIIAWAD	kg	70	70
	Air Volume	Cooling	m³/min	55.0	55.0
	701umic	Heating	m³/min	55.0	55.0
	Sound Level (SPL)	Cooling	dB(A)	47	47
	2010. (01 L)	Heating	dB(A)	48	49
	Sound Level (PWL)		dB(A)	67	67
	Operating Current		Α Α	19.0	19.0
	Breaker Size	,,	A	25	25
t.	Diameter	Liquid / Gas	mm	9.52 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	50	55
	Max. Height	Out-In	m	30	30
	ed Operating Range		°C	-15 ~ +46	-15 ~ +46
uarante					





















































PCA-	M	HA SERIES
POWER I	NVERT	ER





























Туре		
Indoor Ur	nit	
Outdoor	Unit	
Refrigera	nt	
Power	Source	
Supply	Outdoor (V/Phase	/Hz)
Cooling	Capacity	Rated
		Min - Max
	Total Input	Rated
	EER	
		EEL Rank
	Design Load	
	Annual Electricity	Consumption*2
	SEER*4	
		Energy Efficiency Class
	Capacity	Rated
(Average		Min - Max
Season)	Total Input	Rated

Outdoor I				PUHZ-ZRP71VHA2
Refrigera	nt			R410A*1
Power	Source			Outdoor power supply
Supply	Outdoor (V/Phase	/Hz)		230 / Single / 50
Cooling	Canacity	Rated	kW	7.1
ocoming	oupuoity	Min - Max	kW	3.3 - 8.1
		Rated	kW	2.17
	EER			
		EEL Rank		_
	Design Load		kW	7.1
	Annual Electricity	Consumption*2	kWh/a	447
	SEER*4			5.6
		Energy Efficiency Class		A+
Heating		Rated	kW	7.6
(Average	,	Min - Max	kW	3.5 - 10.2
(Average Season)	Total Input	Rated	kW	2.35
	COP			
		EEL Rank		-
	Design Load		kW	4.7
	Declared Capacity	at reference design temperature	kW	4.7 (–10°C)
		at bivalent temperature	kW	4.7 (–10°C)
		at operation limit temperature	kW	3.5 (–20°C)
	Back Up Heating C	apacity	kW	0
	Annual Electricity	Consumption*2	kWh/a	1751
	SCOP*4			3.8
		Energy Efficiency Class		A
	g Current (max)		A	19.4
		Rated	kW	0.09
Unit	Operating Current	(max)	А	0.43
	Dimensions <panel></panel>	$H \times W \times D$	mm	280 - 1136 - 650
	Weight <panel></panel>		kg	41
	Air Volume [Lo-Hi]		m³/min	17 - 19
	Sound Level (SPL)		dB(A)	34 - 38
	Sound Level (PWL		dB(A)	56
		$H \times W \times D$	mm	943 - 950 - 330 (+30)
	Weight		kg	70
	Air Volume	Cooling	m³/min	55.0
		Heating	m³/min	55.0
	Sound Level (SPL)	Cooling	dB(A)	47
		Heating	dB(A)	48
	Sound Level (PWL)		dB(A)	67
	Operating Current	(max)	A	19.0
	Breaker Size		А	25
	Diameter	Liquid / Gas	mm	9.52 / 15.88
	Max. Length	Out-In	m	50
	Max. Height	Out-In	m	30

[|] Max. Leight | Out-In | III | Out-I



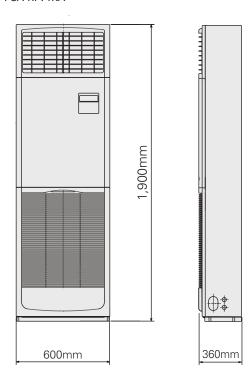
Installation of this floor-standing series is easy and quick. An excellent choice when there is a sudden need for an air conditioner to be installed.



Quick and Easy Installation, Space-saving and Design That Compliments Any Interior

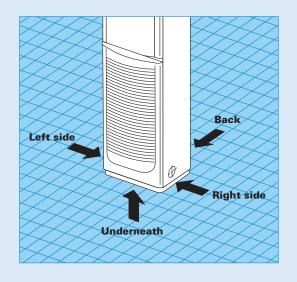
The floor-standing indoor unit is mounted on the floor, enabling quick installation. Its compact body requires only minimal space.

PSA-RP71KA



4-way pipe work connections enable greater freedom in installation

Remarkable freedom in choosing installation sites is allowed by providing piping connection to the indoor unit in four places: left side, back, from underneath and on the right side of the unit. Even installation in the corner of a room is easy.



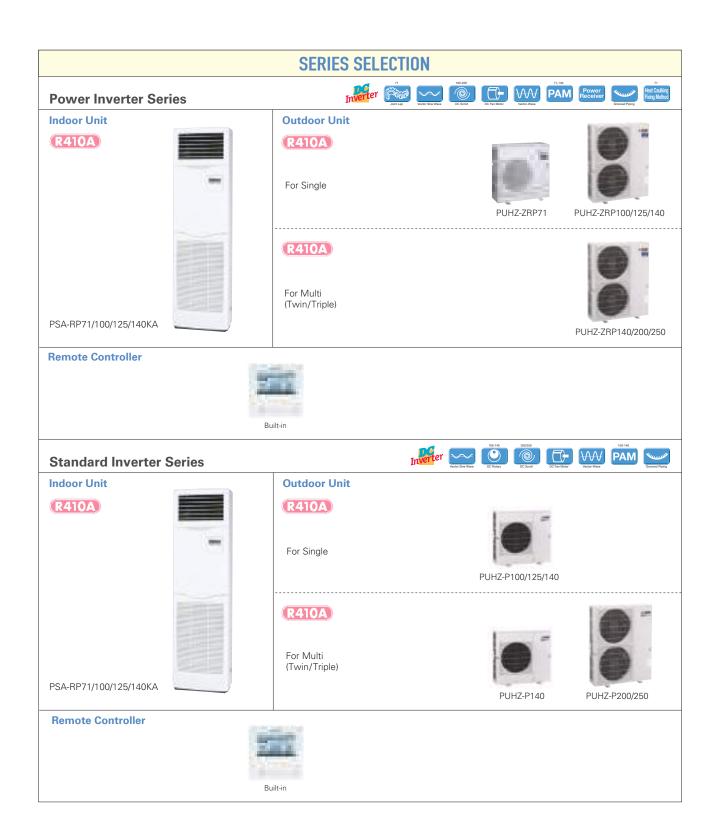
Built-in Remote Controller

Equipped with PAR-40MAA, the latest wired remote controller. Offering excellent readability and a diverse range of functions, the remote controller increases user-friendliness and boosts user satisfaction.

Main Functions

- Multi-language Display
- Limited Temperature Range Setting
- Auto-off Timer
- Operation Lock
- Weekly Timer





PSZ-RP KA Indoor Unit Combinations Indoor unit combinations shown below are possible.

										Outd	oor Ui	nit Cap	pacity								
Indoor	Unit Combination				Fo	or Sing	gle						For ⁻	Twin			F	or Trip	le	For Qu	adruple
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power	Inverter (PUHZ-ZRP)	-		-	71x1	100x1	125x1	140x1	-	-	-	-	-	71x2	100x2	125x2	-		71x3	-	_
	Distribution Pipe	-		_	-	-	_	-	-	-	-	-	-	MSDD-50TR-E	MSDD-	50WR-E	-		MSDT-111 R-E	-	_
Standa	ard Inverter (PUHZ-P)	-		-	-	100x1	125x1	140x1	-	-	-	-	-	71x2	100x2	125x2	-		71x3	-	_
	Distribution Pipe			-	-	-	-	-	-	-	-	-	_	MSDD-50TR-E	MSDD-	50WR-E	-		MSDT-111 R-E	-	-





























_										
Type							Inverter Heat Pump		<u> </u>	
Indoor U				PSA-RP71KA	PSA-RF		PSA-RP		PSA-RF	
Outdoor				PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3
Refrigera							R410A*1			
Power	Source						Outdoor power supply			
	Outdoor (V/Phase	/Hz)				VKA • VHA:23	0 / Single / 50, YKA:40	0 / Three / 50		
Cooling	Capacity	Rated	kW	7.1	9.5	9.5	12.5	12.5	13.4	13.4
•		Min - Max	kW	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.0	6.2 - 15.0
	Total Input	Rated	kW	1.89	2.50	2.50	4.09	4.09	4.06	4.06
	EER			-	ı	ı	3.06	3.06	3.30	3.30
		EEL Rank		-	-	-	-	-	-	-
	Design Load		kW	7.1	9.5	9.5	-	-	-	-
	Annual Electricity	Consumption*2	kWh/a	396	595	606	-	-	-	-
	SEER*4			6.3	5.6	5.5	-		-	-
		Energy Efficiency Class		A++	A+	A	-	-	-	-
	Capacity	Rated	kW	7.6	11.2	11.2	14.0	14.0	16.0	16.0
(Average		Min - Max	kW	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
Season)	Total Input	Rated	kW	2.21	3.08	3.08	4.24	4.24	4.79	4.79
	COP	EEL D		-	-	-	3.30	3.30	3.34	3.34
	D : 1 : 1	EEL Rank	kW	-	-	7.8	-		-	
	Design Load	at reference design temperature	kW	4.7 4.7 (–10°C)	7.8 7.8 (–10°C)	7.8 (–10°C)	-		_	
	Declared Capacity	at reference design temperature at bivalent temperature	kW	4.7 (-10°C) 4.7 (-10°C)	7.8 (=10°C) 7.8 (=10°C)	7.8 (–10°C) 7.8 (–10°C)	_		_	
		at operation limit temperature	kW	3.5 (–20°C)	5.8 (–20°C)	5.8 (–20°C)			_	
	Back Up Heating C		kW	0	0	0			_	
	Annual Electricity		kWh/a	1666	2761	2761	_		_	
	SCOP*4	Consumption	K V VII/G	4.0	4.0	4.0	_	_	_	_
		Energy Efficiency Class		A+	A+	A+	_		_	_
Operatir	ng Current (max)		Α	19.4	27.2	8.7	27.2	10.2	28.7	13.7
Indoor	Input	Rated	kW	0.06	0.11	0.11	0.11	0.11	0.11	0.11
Unit	Operating Current	(max)	А	0.4	0.71	0.71	0.73	0.73	0.73	0.73
	Dimensions <panel></panel>	H × W × D	mm				1900 - 600 - 360			
	Weight <panel></panel>		kg	46	46	46	46	46	48	48
	Air Volume [Lo-Mid		m³/min	20 - 22 - 24	25 - 28 - 30	25 - 28 - 30	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31
	Sound Level (SPL)		dB(A)	40 - 42 - 44	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51
	Sound Level (PWL		dB(A)	60	65	65	66	66	66	66
	Dimensions	$H \times W \times D$	mm	943-950-330(+30)			1338-1050			
Unit	Weight		kg	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	55.0	110.0	110.0	120.0	120.0	120.0	120.0
		Heating	m³/min	55.0	110.0	110.0	120.0	120.0	120.0	120.0
	Sound Level (SPL)	Cooling	dB(A)	47	49	49	50 52	50 52	50	50
		Heating	dB(A)	48	51 69	51			52	52
	Sound Level (PWL)		dB(A)	67		69	70	70 9.5	70 28.0	70 13.0
	Operating Current	(max)	A	19.0 25	26.5 32	8.0 16	26.5 32	9.5	28.0 40	13.0
Ext.	Breaker Size Diameter	Liquid / Gas		9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Ext. Piping	Max. Length	Out-In	mm m	9.52 / 15.88	9.52 / 15.88 75	9.52 / 15.88 75	9.52 / 15.88 75	9.52 / 15.88 75	75	75
. iping	Max. Height	Out-In	m	30	30	30	30	30	30	30
Guarante	eed Operating Range	Coolina*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
Outdoor		Heating	°C	-15 ~ +46 -20 ~ +21	-15 ~ +46 -20 ~ +21	-15 ~ +46 -20 ~ +21	-15 ~ +46 -20 ~ +21	-20 ~ +21	-15 ~ +46 -20 ~ +21	-20 ~ +21
	·	res to climate change. Refric	_							

^{**1} Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with linear global 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 CO2, 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 R410A is 2088 in the IPCC 4th Assessment Report.

*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 Optional air protection guide is required where ambient temperature is lower than —5°C.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.















































Гуре						Inverter H	eat Pump			
ndoor U	nit			PSA-RP100KA		PSA-RP125KA		PSA-RP140KA		
utdoor	Unit			PUHZ-P100VKA	PUHZ-P100YKA	PUHZ-P125VKA	PUHZ-P125YKA	PUHZ-P140VKA	PUHZ-P140YKA	
efrigera						R410				
wer	Source			Outdoor power supply						
	Outdoor (V/Phase	/Hz)		VKA:230 / Single / 50 , VKA:400 / Three / 50						
oolina	Capacity	Rated	kW	9.4	9.4	12.1	12.1	13.6	13.6	
Joining	ouputity	Min - Max	kW	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 13.7	5.8 - 13.7	
	Total Input	Rated	kW	3.12	3.12	5.02	5.02	6.38	6.38	
	EER	riotod	1000	3.01	3.01	2.41	2.41	2.13	2.13	
		EEL Rank		_	-	_	_		-	
	Design Load		kW	9.4	9.4	_	_	_	_	
	Annual Electricity	Consumption*2	kWh/a	644	644	_	_	_	_	
	SEER*4		1.70	5.1	5.1	_	_	_	_	
		Energy Efficiency Class		A	A	_	-	_	_	
ating	Capacity	Rated	kW	11.2	11.2	13.5	13.5	15.0	15.0	
erage		Min - Max	kW	2.8 - 12.5	2.8 - 12.5	4.8 - 15.0	4.8 - 15.0	4.9 - 15.8	4.9 - 15.8	
ason)	Total Input	Rated	kW	3.28	3.28	4.80	4.80	4.82	4.82	
	COP			3.41	3.41	2.81	2.81	3.11	3.11	
		EEL Rank		-	-	-	-	_	-	
	Design Load		kW	8.0	8.0	-	-	_	=.	
	Declared Capacity	at reference design temperature	kW	6.0 (-10°C)	6.0 (-10°C)	-	-	_	-	
		at bivalent temperature	kW	7.0 (-7°C)	7.0 (-7°C)	-	-	_	-	
		at operation limit temperature	kW	4.5 (-15°C)	4.5 (-15°C)	-	-	_	-	
	Back Up Heating C		kW	2.0	2.0	-	-	_	-	
	Annual Electricity	Consumption*2	kWh/a	2794	2794	-	-	-	-	
	SCOP*4			4.0	4.0	-	-	-	-	
		Energy Efficiency Class		A+	Α+	_	_		-	
	g Current (max)		Α	20.7	12.2	27.2	12.2	30.7	12.2	
oor	Input	Rated	kW	0.11	0.11	0.11	0.11	0.11	0.11	
it	Operating Current	(max)	Α	0.71	0.71	0.73	0.73	0.73	0.73	
	Dimensions <panel></panel>	H × W × D	mm			1900 - 6				
	Weight <panel></panel>		kg	46	46	46	46	48	48	
	Air Volume [Lo-Mid		m³/min	25 - 28 - 30	25 - 28 - 30	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31	
	Sound Level (SPL)		dB(A)	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	
	Sound Level (PWL		dB(A)	65	65	66	66	66	66	
	Dimensions	$H \times W \times D$	mm	981 - 10				981 - 10		
nit	Weight		kg	76	78	84	85	84	85	
	Air Volume	Cooling	m³/min	79	79	86	86 92	86	86	
		Heating	m³/min	79	79	92		92	92	
	Sound Level (SPL)	Cooling	dB(A)	51	51	54	54	56	56 57	
	0 11 1/5::::	Heating	dB(A)	54	54 70	56 72	56	57	57 75	
	Sound Level (PWL)		dB(A)	70 20.0	70 11.5	72 26.5	72 11.5	75 30.0	75 11.5	
	Operating Current Breaker Size	(max)	A	20.0 32	11.5	26.5	11.5	30.0 40	11.5	
t.	Breaker Size Diameter	Liquid / Gas				9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	
	Max. Length	Out-In	mm	9.52 / 15.88 50	9.52 / 15.88 50	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	
mg			m	30	30	30	30	30	30	
oront-	Max. Height ed Operating Range	Out-In	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46		-15 ~ +46	
uarante		Cooling	°C	-15 ~ +4b	-15 ~ +46	-15 ~ +4b	-15 ~ +46	-15 ~ +4b	-15 ~ +40 15 , 21	

Guaranteed Operating Range | Cooling*3 | °C | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +4



MULT SPLISSERIES







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.





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.









3-port 4-port MXZ-3F54VF3 MXZ-3F68VF3

MX7-4F72VF3



4-port 5-port MXZ-4F83VF MXZ-5F102VF



(E2)

6-port MXZ-6F122VF



Units can be used even if it is connected to only one indoor unit (4F83/5F102/6F122)

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 12.2kW. 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.

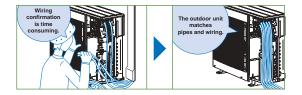
Support Functions -

Wiring/Piping Correction Function* (3F54/3F68/4F72/4F80/4F83/5F102/6F122)

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.)



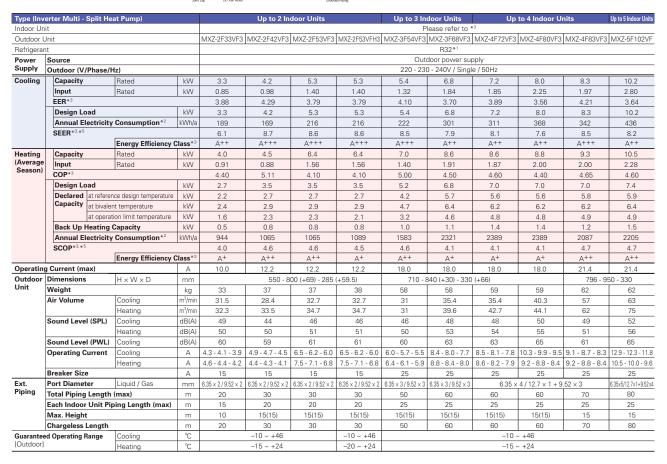












Type (In	verter Multi - Split He	at Pump)		Up to 6 Indoor Units	
Indoor U	<u> </u>			Please refer to (*4)	
Outdoor	Unit			MXZ-6F122VF	
Refrigera	int			R32*1	
Power	Source			Outdoor power supply	
Supply	Outdoor (V/Phase/F	łz)	220 - 230 - 240V / Single / 50		
Cooling	Capacity	Rated	kW	12.2	
	Input	Rated	kW	3.66	
	EER*4			3.33	
Heating	Capacity	Rated	kW	14.0	
	Input	Rated	kW	3.31	
	COP*4			4.23	
Operatin	ng Current (max)		А	29.8	
Outdoor	Dimensions H × W × D		mm	1048 - 950 - 330	
Unit	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		А	32	
Ext.	Diameter	Liquid	mm	6.35 x 6	
Piping		Gas	mm	12.7 x 1 + 9.52 x 5	
	Total Piping Length	(max)	m	80	
	Each Indoor Unit Piping	Length (max)	m	25	
	Max. Height		m	15	
	Chargeless Length		m	80	
	ed Operating Range	Cooling	°C	−10 ~ +46	
[Outdoor]	Heating	°C	-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 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 CO2, 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.

MXZ-4F72VF3 → MSZ-LN18VG2 + MSZ-LN18VG2 + M
MXZ-4F80VF3 → MSZ-LN18VG2 + MSZ-LN18VG2 + M
MXZ-4F83VF → MSZ-LN18VG2 + MSZ-LN18VG2 + M
MXZ-5F102VF → MSZ-LN18VG2 + MSZ-LN18VG2 + M
*4 EER/COP, values and energy efficiency class are measured

MXZ-6F122VF

^{*2} Energy consumption based on standard test results.

when connected to the indoor units listed below.

MXZ-6F122VF → MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2+ MSZ-LN25VG2 *5 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

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.







MXZ-2D33VA MXZ-2D42VA2 MXZ-2D53VA(H)2



(R410A)

3-port 4-port

MXZ-3E54VA MXZ-3E68VA MXZ-4E72VA



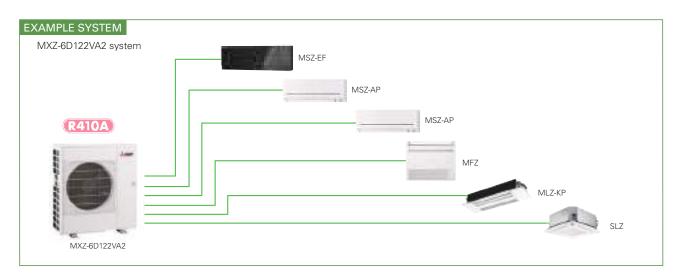
R410A

4-port 5-port MXZ-4E83VA MXZ-5E102VA



R410A

6-port MXZ-6D122VA2



Handle Up to 6 Rooms with a Single Outdoor Unit

The MXZ Series offers a nine-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* (3E54/3E68/4E72/4E83/5E102/6D122)

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.)

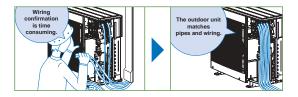
* Function cannot be used when the outdoor temperature is below 0°C. The correction process requires 10–20 minutes to complete and must be conducted with the unit set to the "Cooling" mode.

Ampere Limit Adjustment*

(4E83/5E102/6D122)

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.)















Type (Inv	erter Multi - Split Hea	nt Pump)	_		Up to 2 In	door Units	_	Up to 3 In	door Units	Up to 4 In	door Units	Up to 5 Indoor Units
Indoor Unit				•		F	Please refer to (*					
Outdoor Unit			N: MXZ-2D33VA	N: MXZ-2D42VA2	N: MXZ-2D53VA2	N: MXZ-2D53VAH2	N: MXZ-3E54VA	N: MXZ-3E68VA	N: MXZ-4E72VA	MXZ-4E83VA	MXZ-5E102VA	
Refrigerant							R410A*1					
Power						Οι	ıtdoor power sup	ply				
Supply	Outdoor (V/Phase/Hz)					220 -	230 - 240V / Sing	le / 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	2.44	3.15
	Design Load		kW	3.3	4.2	5.3	5.3	5.4	6.8	7.2	8.3	10.2
	Annual Electricity Co	onsumption*2	kWh/a	211	216	262	262	295	425	443	460	537
	SEER*4.*7			5.5	6.8	7.1	7.1	6.4	5.6	5.7	6.3	6.6
		Energy Efficiency C	Class*4	А	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	9.3	10.5
(Average		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
Season)	Input (Indoor+Outdoor)	Rated	kW	0.96	0.93	1.70	1.70	1.59	2.38	2.28	2.00	2.34
	Design Load	•	kW	2.7	3.2	4.5	4.5	5.0	6.8	7.0	8.7	8.9
	Declared at reference	design temperature	kW	2.1	2.7	3.7	3.6	4.0	5.4	5.6	7.1	7.3
	Capacity at bivalent t	emperature	kW	2.4	3.0	4.0	4.0	4.49	6.0	6.2	7.8	7.9
	at operation limit temperature kW		kW	1.7	2.3	3.3	3.0	3.17	4.4	4.7	6.0	6.3
	Back Up Heating Capacity kW		0.6	0.5	0.8	0.9	1.0	1.4	1.4	1.6	1.6	
	Annual Electricity Consumption*2 kWh/a		kWh/a	926	1065	1507	1546	1751	2466	2516	2889	2958
	SCOP*4,*7 Energy Efficiency Class*			4.1	4.2	4.2	4.1	4.0	3.9	3.9	4.2	4.2
			Class*4	A+	A+	A+	A+	A+	А	А	A+	A+
Мах. Оре	erating Current (Indoo	or+Outdoor)	А	10.0	12.2	12.2	12.2	18.0	18.0	18.0	21.4	21.4
Outdoor	Dimensions	$H \times W \times D$	mm		550 - 800(+69	9) - 285(+59.5)		710 -	840(+30) - 330	(+66)	796 - 98	50 - 330
Unit	Weight	•	kg	32	37	37	38	58	58	59	63	64
	Air Volume	Cooling	m³/min	32.9	27.7	32.9	32.9	42.1	42.1	42.1	55.6	65.1
		Heating	m³/min	33.7	33.3	33.3	33.3	43.0	43.0	43.0	55.6	68.0
	Sound Level (SPL)	Cooling	dB(A)	49	46	50	50	50	50	50	49	52
		Heating	dB(A)	50	51	53	53	53	53	53	51	56
	Sound Level (PWL)	Cooling	dB(A)	63	60	64	64	64	64	64	61	65
	Breaker Size		Α	10	15	15	15	25	25	25	25	25
Ext.	Diameter	Liquid	mm	6.35 × 2	6.35 × 2	6.35 × 2	6.35 × 2	6.35 x 3	6.35 x 3	6.35 x 4	6.35 × 4	6.35 × 5
Piping		Gas	mm	9.52 × 2	9.52 × 2	9.52 × 2	9.52 × 2	9.52 x 3	9.52 x 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 Pip	oing 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	25	0
	ed Operating Range	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
[Outdoor]		Heating	°C	-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.

- "		· 5 \				
	erter Multi - Split Hea	at Pump)		Up to 6 Indoor Units		
Indoor Ur				Please refer to (*5)		
Outdoor I				MXZ-6D122VA2		
Refrigera	nt			R410A*1		
Power	Source			Outdoor power supply		
Supply	Outdoor (V/Phase/F	łz)		220 - 230 - 240V / Single / 50		
Cooling	Capacity	Rated	kW	12.2		
		Min - Max	kW	3.5 - 13.5		
	Input*5	Rated	kW	3.66		
	EER*6			3.33		
		EEL Rank		A		
Heating	Capacity	Rated	kW	14.0		
		Min - Max	kW	3.5 - 16.5		
	Input*5	Rated	kW	3.31		
	COP*6			4.23		
		EEL Rank		A		
Operatin	g Current (max)*5		Α	26.8		
Outdoor	Dimensions H × W × D		mm	1048-950-330		
Unit	Weight		kg	88		
	Air Volume	Cooling	m³/min	63.0		
		Heating	m³/min	77.0		
	Sound Level (SPL)	Cooling	dB(A)	55		
		Heating	dB(A)	57		
	Sound Level (PWL)	Cooling	dB(A)	70		
	Breaker Size	1	Α	32		
Ext.	Diameter	Liquid	mm	6.35×6		
Piping		Gas	mm	12.7 × 1 + 9.52 × 5		
	Total Piping Length	(max)	m	80		
	Each Indoor Unit Piping		m	25		
	Max. Height	. 5. (m	15 (10)* ³		
	Chargeless Length		m	30		
Guarante	ed Operating Range	Cooling	°C	-10 ~ +46		
[Outdoor]		Heating	∞	-15 ~ +24		
		produing		10 11 12 7		

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) ~20m	Maximum amount of refrigerant
1 unit	100g additional (Total 1250g)	1250g
2 units	Not available (Only one MFZ-KJ series indoor unit can b	e connected.)

MXZ-2D42VA2 MXZ-2D53VA2 MXZ-2D53VAH2

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

WIAZ-SES4VA								
No. of	Pipe lei	Maximum amount						
MFZ-KJ indoor units	~40m	~50m	of refrigerant					
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)	300a+{(I -40)m×20a/m)}	3200a					

MXZ-3E68VA MXZ-4E72VA

No. of	Pipe lei	Maximum amount	
MFZ-KJ indoor units	~40m	~60m	of refrigerant
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

MXZ-HA SERIES

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





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.



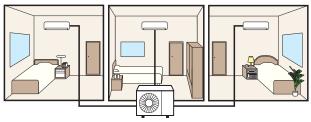
Easy to create various combinations

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

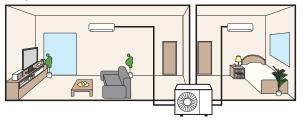
Two bedrooms



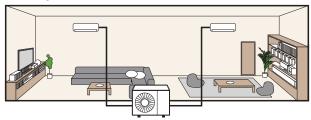




Living room and one bedroom



Wide living room















Type (Inverter Multi - Split Heat Pump)			Up to 2 Inc	loor Units	Up to 3 Indoor Units				
ndoor Ur	iit				Please refer to (*4)				
utdoor I	Jnit			MXZ-2HA40VF	MXZ-2HA50VF	MXZ-3HA50VF			
efrigera	nt			R32*1					
ower	Source				Outdoor power supply				
upply	Outdoor (V/Phase)	/Hz)		220-230-240 / Single / 50					
ooling	Capacity	Rated	kW	4.0	5.0	5.0			
	Input*4	Rated	kW	1.05	1.52	1.26			
	EER*4	'		3.81	3.29	3.97			
		EEL Rank*4		A	A	A			
	Design Load	<u>'</u>	kW	4.0	5.0	5.0			
	Annual Electricit	y Consumption*2	kWh/a	172	225	241			
	SEER*4.*5			8.12	7.78	7.26			
		Energy Efficiency Class*4		A++	A++	A++			
eating	Capacity	Rated	kW	4.3	6.0	6.0			
verage		Rated	kW	0.91	1.54	1.30			
Season)	COP*4			4.73	3.90	4.62			
		EEL Rank*4		A	A	A			
	Design Load		kW	3.2	3.2	4.0			
	Declared at refere	ence design temperature	kW	2.4	2.4	3.0			
	Capacity at bivale	ent temperature	kW	2.9	2.9	3.6			
	at opera	ation limit temperature	kW	2.1	2.1	2.6			
	Back Up Heating	Capacity	kW	0.8	0.8	1.0			
	Annual Electricity Consumption*2		kWh/a	1043	1043	1394			
	SCOP*4,*5			4.30	4.30	4.02			
		Energy Efficiency C	Class*4	A+	A ⁺	A ⁺			
peratin	g Current (max)		Α	12.2	12.2	18.0			
utdoor	Dimensions	$H \times W \times D$	mm	550 - 800 (+69) - 285 (+59.5)	550 - 800 (+69) - 285 (+59.5)	710 - 840 (+30) - 330 (+66)			
nit	Weight		kg	37	37	57			
	Air Volume	Cooling	m³/min	28.4	32.7	31.0			
		Heating	m³/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			
	Operating Current		А	4.9	6.8	5.6			
	_	Heating	А	4.6	6.9	5.8			
	Breaker Size		А	15	15	25			
rt.	Port Diameter	Liquid / Gas	mm	6.35 × 2 / 9.52 × 2	6.35 × 2 / 9.52 × 2	6.35 × 3 / 9.52 × 3			
ping	Total Piping Lengtl		m	30	30	50			
		iping Length (max)	m	20	20	25			
	Max. Height		m	15 (10)*³	15 (10)*3	15 (10)*3			
	Chargeless Length		m	30	30	40			
				* *		· · · · · · · · · · · · · · · · · · ·			
uarante	ed Operating Range	Cooling	°C		-10 ~ +46				

^{**}I 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 CO2, 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

*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, SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.

MX2-14A0VF MSZ-HR25VF + MSZ-HR25VF

MX2-2HA60VF MSZ-HR25VF + MSZ-HR25VF

MX2-3HA50VF MSZ-HR25VF + MSZ-HR25VF + MSZ-HR25VF

MX2-3HA50VF MSZ-HR25VF + MSZ-HR25VF + MSZ-HR25VF

*5 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

MXZ-DM SERIES

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





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.



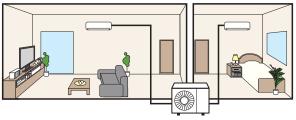
Easy to create various combinations

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

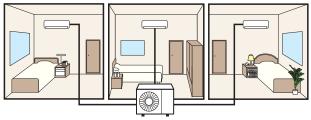




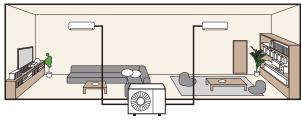
Living room and one bedroom

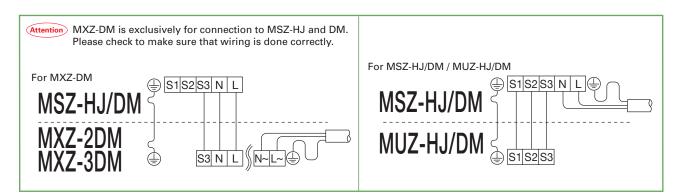


Three bedrooms



Wide living room

















Type (Inv	erter Multi - Split H	eat Pump)		Up to 2 Indoor Units	Up to 3 Indoor Units			
Indoor Un	it			Please re	efer to (*4)			
Outdoor U	Jnit			MXZ-2DM40VA	MXZ-3DM50VA			
Refrigerar	nt			R410A*1				
Power	Source			Outdoor p	ower supply			
Supply	Outdoor (V/Phase/	Hz)		230 / Si	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 Electricit	v Consumption*2	kWh/a	226	283			
	SEER*4,*5			6.1	6.1			
		Energy Efficiency Class*4		A++	A++			
leating	Capacity	Rated	kW	4.3	6.0			
Average	Input	Rated	kW	1.16	1.31			
Season)	COP*4			3.71	4.58			
		EEL Rank*4		A	A			
	Design Load		kW	3.2	4.0			
		nce design temperature	kW	2.73	3.34			
		ent temperature	kW	3.01	3.73			
	at opera	ition 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,*5			4.0	3.8			
		Energy Efficiency (Class*4	A ⁺	A			
perating	g Current (max)	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Α	12.2	18.0			
outdoor	Dimensions	$H \times W \times D$	mm	550 - 800 (+69) - 285 (+59.5)	710 - 840 (+30) - 330 (+66)			
Jnit	Weight	1	kg	32	57			
	Air Volume	Cooling	m³/min	29.2	37.5			
		Heating	m³/min	31.9	39.6			
	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	Α	5.6	5.8			
	Breaker Size		Α	15	25			
xt.	Port Diameter	Liquid / Gas	mm	6.35 × 2 / 9.52 × 2	6.35 × 3 / 9.52 × 3			
Piping	Total Piping Length		m	30	50			
	Each Indoor Unit P		m	20	25			
	Max. Height	, 5 : 5 (m	15 (10)* ³	15 (10)* ³			
	Chargeless Length		m	20	40			
Guarantee	ed Operating Range	Cooling	°C		~ +46			
[Outdoor]		Heating	°C	-10 ~ +40 -15 ~ +24				

Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Heading C | Headin

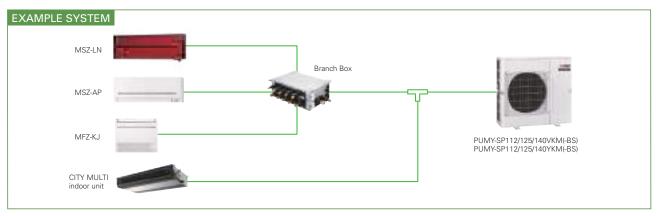
PUMY-SP SERIES

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



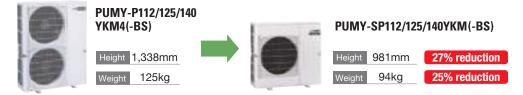
R410A

PUMY-SP112/125/140VKM(-BS) PUMY-SP112/125/140YKM(-BS)



Light weight and compact size

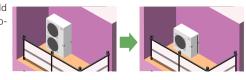
Compact design fits into narrow outdoor unit space of condominiums and offices. Light weight design facilitates easy installation and transportation.



Unobstructive, compact, and easy to hide from view

Conventional 2-fan type outdoor units may spoil the view. Due to its compact size, the new outdoor fan unit can be installed in loca-

tions that would have been inappropriate.



Easy installation and transportation

The reduced weight and height allow for better transportation performance. Carrying and installing become easier.

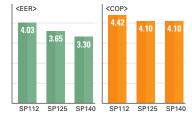
could not before.



Industry's top energy efficiency*

Even with its compact size and light weight, it has a high EER and COP. Costs are reduced with the industry's best energy saving abilities.

* As of sep.2017.Among VRF outdoor unit of 1fan. (An incompany investigation)



Super silent mode*

Noise level can be reduced up to 10dB(A). This allows you to operate the unit even in the night in a residential zone.

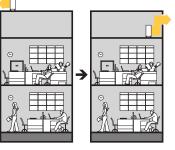
- *Capacity reduction differs by mode setting.
- *PAC-SC36NA-E is required to activate Super Silent mode

Rear piping is available

Freedom with layout due to its piping pullout locations in four directions

The in-door unit allows piping from any four directions; front, back, bottom, or right. This enables easier horizontal connection for collective layout.

The out-door unit with an expanded piping layout flexibility greatly improves piping workability.



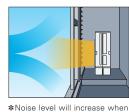
The installation location is flexible

thanks to its 30Pa static pressure.

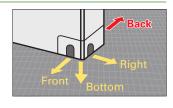
You can install it in locations that you

An external static pressure of 30Pa

An external static pressure of 30Pa allows outdoor unit to be installed on balconies in high-rise building or spaces near louvers.



*Noise level will increase when using this function.

















Power Powe	Model				PUMY-SP112VKM(-BS)	PUMY-SP125VKM(-BS)	PUMY-SP140VKM(-BS)	PUMY-SP112YKM(-BS)	PUMY-SP125YKM(-BS)	PUMY-SP140YKM(-BS)	
Cooling Capacity											
Correct Input A	Cooling Capacity		* 1	kW	12.5	14.0	15.5	12.5	14.0	15.5	
Temp. Range of Cooling** WB. 15.0 - 24.0°C 15.0 - 22.0°C 15.0°C 1	(nominal)	Power Input		kW	3.10	3.84	4.70	3.10	3.84	4.70	
Temp, Range of Cooling** Indoor Temp. W.B. 15.0 + 24.0°C 15.0 + 22.0°C 15.0°C 20.0 + 15.0°C 20		Current Inpu	t	А	14.38 - 13.75 - 13.18 / 14.38	17.81 - 17.04 - 16.33 / 17.81	21.80 - 20.85 - 19.88 / 21.80	4.96 - 4.71 - 4.54 / 4.96	6.14 - 5.83 - 5.62 / 6.14	7.52 - 7.14 - 6.88 / 7.52	
Outdoor Temp. * D.B. -5.0 -52.0°C -5.0 -5		EER		kW/kW	4.03	3.65	3.30	4.03	3.65	3.30	
Heating Capacity 10.5 14.0 16.0 16.5 14.0 16.0 16.5 14.0 16.0 16.5 16.0 16.0 16.5 16.0 16.0 16.5 16.0 16.5 16.0 16.5 16.0 16.5 16.0 16.5 16.0 16.0 16.5 16.0 16	Temp. Range	Indoor Temp	١.	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	
Fower Input	of Cooling*4	Outdoor Ten	np. *3	D.B.	-5.0 - 52.0°C	-5.0 - 52.0°C	-5.0 - 52.0°C	-5.0 - 52.0°C	-5.0 - 52.0°C	-5.0 - 52.0°C	
Current Input A	Heating Capacity		*2	kW	14.0	16.0	16.5	14.0	16.0	16.5	
COP	(nominal)	Power Input		kW	3.17	3.90	4.02	3.17	3.90	4.02	
Temp. Range of Heating Total Capacity		Current Inpu	t	А	14.70 - 14.06 - 13.48 / 14.70	18.09 - 17.30 - 16.58 / 18.09	18.65 - 17.83 - 17.09 / 18.65	5.07 - 4.82 - 4.64 / 5.07	6.24 - 5.93 - 5.71 / 6.24	6.43 - 6.11 - 5.89 / 6.43	
Outdoor Temp. W.B. -2.0.0 - +15.0°C -2.0.0 + 10.0°C -2.0.0°C		COP		kW/kW	4.42	4.10	4.10	4.42	4.10	4.10	
Indoor Unit Connectable Mixed System Mixed M	Temp. Range	Indoor Temp	١.	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	
Mode Quantity	of Heating	Outdoor Ten	np.	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	
Mixed Mixed Branch Box** 15-100/8 15-100/5	Indoor Unit	Total Capacit	ty			50	to 130% of outdoor unit	capacity			
Mixed System Franch Box 10-140/5 10-	Connectable	Model / Qua	ntity	City Multi	10 - 140 / 9	10 - 140 / 10	10 - 140 / 12	10 - 140 / 9	10 - 140 / 10	10 - 140 / 12	
System S				Branch Box*9	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	
Branch Box 2 units Branch Box 3 10 - 140 / 3 10 / 40 / 40 10 - 140 / 4 10 / 40 / 40 10 / 40 / 40 10 / 40 / 40 10 / 40 / 40 10 / 40 / 40 / 40 10 / 40 / 40 / 40 / 40 / 40 / 40 / 40 /		Mixed	Branch	City Multi	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	
Box 2 units Branch Box 15 - 100 / 7 or 8+7 15 - 100 / 8 15 - 100 / 8 15 - 100 / 7 or 8+7 15 - 100 / 8 15 - 100 / 8 15 - 100 / 7 or 8+7 15 - 100 / 8		System	1 unit	Branch Box	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	
				City Multi	10 - 140 / 3 or 2*7	10 - 140 / 3	10 - 140 / 3	10 - 140 / 3 or 2*7	10 - 140 / 3	10 - 140 / 3	
Cooling / Heating dB <a> 52 / 54			2 units	Branch Box	15 - 100 / 7 or 8* ⁷	15 - 100 / 8	15 - 100 / 8	15 - 100 / 7 or 8* ⁷	15 - 100 / 8	15 - 100 / 8	
Refrigerant Piping Diameter Gas Pipe mm 9.52 Flare 15.88 Fl				dB <a>	52 / 54	53 / 56	54 / 56	52 / 54	53 / 56	54 / 56	
Diameter Gas Pipe mm 15.88 Flare Fan Type x Quantity Propeller Fan x 1 Air Flow Rate m³/min 77 83 83 77 83 83 L/s 1,283 1,383 1,383 1,283 1,383 1,383 1,383 1,383 1,283 1,383 1,283 1,383 1,383 1,383 1,383 1,383 1,383 1,383 1,	Sound Power Leve	el (Cooling)		dB <a>	72	73	74	72	73	74	
Fan		Liquid Pipe		mm			9.52	Flare			
Air Flow Rate	Diameter	Gas Pipe		mm			15.88	3 Flare			
L/s	Fan	Type x Quan	itity			Propeller Fan × 1					
Motor Output kW kW 2,931 2,931 2,719 2,931		Air Flow Rat	e	m³/min	77			77	83		
Motor Output External Static Press. kW 0.20 Compressor Type x Quantity Type x Quantity Try of x Quantity A 3.1 3.5 3.7 3.1 3.5 3.7 External Dimensions (H x W x D) mm 981×1,050×330 (+40) Net Weight Yeight Sq (16b) 93 (205)*** 94 (207)*** Pre-Charged Quantity Occite Equivalent A 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 <th< th=""><th></th><th></th><th></th><td>L/s</td><td>,</td><td></td><td></td><td></td><td></td><td></td></th<>				L/s	,						
External Static Press. Pa O Pa / 30 Pa*8				cfm	2,719	2,931	,	, ,	2,931	2,931	
Compressor Type x Quantity Twin rotary hermetic compressor x 1 Starting Method Invertre Motor Output kW 3.1 3.5 3.7 3.1 3.5 3.7 External Dimensions (H x W x D) mm 981×1,050×330 (+40) Net Weight kg (lbs) 93 (205)*6 94 (207)*6 Pre-Chareged Quantity Weight kg 3.5 <t< th=""><th></th><th>Motor Outpu</th><th>ut</th><th>kW</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>		Motor Outpu	ut	kW							
Starting Method Motor Output kW 3.1 3.5 3.7 3.1 3.5 3.7				Pa			0 Pa / 3	30 Pa*8			
Motor Output kW 3.1 3.5 3.7 3.1 3.5 3.7 External Dimensions (H x W x D) mm 981×1,050×330 (+40) Net Weight kg (lbs) 94 (207)*6 Pre-Chareged Quantity Weight kg 3.5	Compressor	Type x Quan	tity				Twin rotary herme	tic compressor x 1			
External Dimensions (H x W x D) mm 981x1,050x330 (+40) Net Weight kg (lbs) 93 (205)*5 94 (207)*6 Pre-Chareged Quantity Weight kg 3.5 3.5 3.5 3.5 3.5 3.5 CO₂ Equivalent t 7.31 7.31 7.31 7.31 7.31 7.31 Max Added Weight kg 9.0 9.0 9.0 9.0 9.0		Starting Met	thod					erter			
Net Weight kg (lbs) 93 (205)*5 94 (207)*6 Pre-Chareged Quantity Weight kg 3.5 3.5 3.5 3.5 3.5 3.5 CO₂ Equivalent t 7.31 7.31 7.31 7.31 7.31 7.31 7.31 Max Added Weight kg 9.0 9.0 9.0 9.0 9.0				kW	3.1	3.5		***	3.5	3.7	
Pre-Chareged Weight kg 3.5					981×1,050	×330 (+40)					
Quantity CO2 Equivalent t 7.31											
Max Added Weight kg 9.0 9.0 9.0 9.0 9.0 9.0 9.0	Pre-Chareged	- 3									
			ent	*							
Quantity CO ₂ Equivalent t 18.79 18.79 18.79 18.79 18.79 18.79	Max Added			-	9.0	9.0	9.0	9.0	9.0	9.0	
	Quantity	CO ₂ Equivale	ent	t	18.79	18.79	18.79	18.79	18.79	18.79	

*1,*2 Nominal conditions

	Indoor	Outdoor	Piping Length	Level Difference	External Static Press. (Outdoor Unit)
Cooling	27°C DB / 19°C WB	35°C	7.5m (24 - 9 / 16ft.)	0m (0ft)	0 Pa
Heating	20°C DB	7°C DB / 6°C WB	7.5m (24 - 9 / 16ft.)	0m (0ft)	0 Pa

^{*3 10} to 52°C; incase of connecting PKFY-P15/P20/P25VBM, PFFY-P20/P25/P32VKM, PFFY-P20/P25/P32VLE(R)M indoor unit and M series indoor unit with connection kit and M series, S series, and P series type indoor unit with branch box.

*4 Up to 11 units when connecting via 2 branch boxes.

*5 94 (207), for PUMY-SP112/125/140VKM-BS

*6 95 (209), for PUMY-SP112/125/140YKM-BS

*7 When connecting 7 indoor units via branch box, connectable City Multi indoor units are 3; connecting 8 indoor units via branch box, connectable City Multi indoor units are 2.

*8 0 Pa as initial setting

*9 At least 2 indoor units must be connected when using branch box.

Туре				Branch Box		
Model Name)			PAC-MK54BC	PAC-MK34BC	
Connectable	Number of Indoo	r Units		Maximum 5	Maximum 3	
Power Supp	ly (from outdoor	unit)		~ / N, 220 / 230 / 240 V, 50	Hz, ~ / N, 220 / 230 V, 60 Hz	
Input				0.0	003	
Running Current			А	0.05 (Max. 6)		
Dimensions		$H \times W \times D$	mm	170 × 450 × 280		
Weight			kg	7.4	6.7	
Piping	Branch	Liquid	mm	ø6.35 × 5	ø6.35 × 3	
Connection (Flare)	[Indoor Side]	Gas	mm	ø9.52 × 4, ø12.7 × 1	ø9.52 × 3	
	Main	Liquid	mm	ø9	.52	
	[Outdoor Side]	Gas	mm	ø15.88		

^{*} The piping connection size differs according to the type and capacity of outdoor/indoor units.

Match the piping connection size of branch box with outdoor/indoor unit. If the piping connection size of branch box does not match the piping connection size of outdoor/indoor unit, use optional different-diameter (deformed) joints to the branch box side.

(Connect deformed joint directly to the branch box side.)

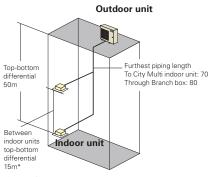
<Branch box compatible table>

Outdoor unit	Branch box	PAC-MK31/ 51BC(B)	PAC-MK32/ 52BC(B)	PAC-MK33/ 53BC(B)	PAC-MK34/ 54BC
Outdoor unit	PUMY-SP112/125/140V/ YKM(-BS)	✓	N/A	N/A	N/A
1fan	PUMY-SP112/125/140V/ YKMR1(-BS)	N/A	N/A	✓	✓
	PUMY-SP112/125/140V/ YKM(-BS)R2	N/A	N/A	✓	✓
Outdoor unit	PUMY-P112/125/140V/YKM4(-BS)	√*	✓	✓	✓
2fan	PUMY-P112/125/140V/YKM4R1(-BS)	√*	✓	✓	✓
	PUMY-P112/125/140VKM5(-BS)	√*	✓	✓	✓
	PUMY-P112/125/140V/YKM4(-BS)R2	√*	✓	✓	✓
Outdoor unit	PUMY-P200YKM2(-BS)	✓	✓	✓	✓
8HP	PUMY-P200YKM2R1(-BS)	✓	✓	✓	✓
	PUMY-P200YKM2(-BS)R2	✓	✓	✓	✓

^{*}ecodan is NG

[SP112-140V/YKM(-BS)]

Refrigerant Piping Lengths	Maximum meters	Vertical differentials between units	Maximum meters
Total length	120	Indoor/outdoor (outdoor higher)	. 50
Maximum allowable lengthTo	City Multi indoor	Indoor/outdoor (outdoor lower)	. 30
	unit: 70	Indoor/indoor	· 15*
Т	hrough Branch box: 80		



*In case of branch box connection: 12m

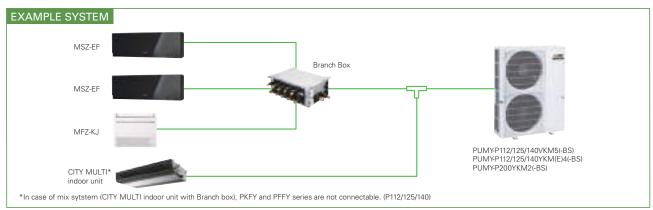
PUMY-P SERIES

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



R410A

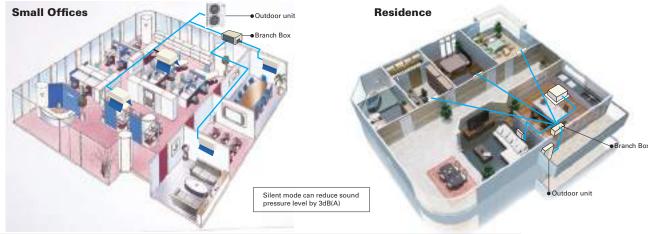
PUMY-P112/125/140VKM5(-BS) PUMY-P112/125/140YKM(E)4(-BS) PUMY-P200YKM2(-BS)



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.



				Maximu	ım Meters		
			Only City Multi*1	Only Branch Box	Mixed System (City Multi*	Indoor Unit + Branch Box)	
			Indoor Unit	Connection	City Multi*1 Indoor Unit	Via Branch Box	
P112/125/140	Refrigerant Piping Length	Total Length	300	150	240 (2 Branch boxes) / 300 (1 Branch box)	
		Maximum Allowable Length	150 (175 equivalent)	80	85 (95 equivalent)	80	
		Farthest Indoor From First Branch	30	55	30	55	
Vertical Differentials	Vertical Differentials	Indoor/Outdoor (Outdoor higher)	50	50 50 50)	
	Between Units	Indoor/Outdoor(Outdoor Lower)	40*2	40	40		
		Indoor/Indoor	15*3	15*3	15*3		
P200	Refrigerant Piping Length	Total Length	150	150	1!	50	
		Maximum Allowable Length	80 (90 equivalent)	80	80 (90 equivalent)	80	
		Farthest Indoor From First Branch	30	55	30	55	
	Vertical Differentials	Indoor/Outdoor (Outdoor higher)	50	50		60	
	Between Units	Indoor/Outdoor (Outdoor Lower)	40	40	4	10	
		Indoor/Indoor	15*3	15*3	15*3		

^{*1} Include system with connection kit *2 In case of including PKFY or PFFY,

30Pa external static pressure* Option (requires PAC-SJ71FM-E)

An external static pressure of 30Pa enables the outdoor unit to be installed on balconies in high-rise building or spaces near louvers.

- *PUMY-P112/125/140VKM5(-BS), PUMY-P112/125/140YKM(E)4(-BS) only.
- \slash Noise level will increase when using this function



^{*2} In case of including PKFY or PFFY, height between units is 30m.
*3 In case of branch box connection: 12m















Model			PUMY-P112VKM5(-BS)	PUMY-P125VKM5(-BS)	PUMY-P140VKM5(-BS)	PUMY-P112YKM4(-BS)	PUMY-P125YKM4(-BS)	PUMY-P140YKM4(-BS)	PUMY-P200YKM2(-BS)
Power Source				ase 220 - 230 - 240V			3-phase 380 - 400 - 415V 50Hz		
Cooling Capacity		*1 kW	12.5	14.0	15.5	12.5	14.0	15.5	22.4
(nominal)	Power Input	kW	2.79	3.46	4.52	2.79	3.46	4.52	6.05
	Current Input	A	12.87 - 12.32 - 11.80	15.97 - 15.27 - 14.64	20.86 - 19.95 - 19.12	4.99 - 4.74 - 4.57	5.84 - 5.55 - 5.35	7.23 - 6.87 - 6.62	9.88 - 9.39 - 9.05
	EER	kW/kW	4.48	4.05	3.43	4.48	4.05	3.43	3.70
Temp. Range	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	15.0 - 24.0°C
of Cooling	Outdoor Temp.*3	D.B.	-5.0 - 52.0°C	-5.0 - 52.0°C	-5.0 - 52.0°C	-5.0 - 52.0°C	-5.0 - 52.0°C	-5.0 - 52.0°C	-5.0 - 52.0°C
Heating Capacity		*2 kW	14.0	16.0	18.0	14.0	16.0	18.0	25.0
(nominal)	Power Input	kW	3.04	3.74	4.47	3.04	3.74	4.47	5.84
	Current Input	A	14.03 - 13.42 - 12.86	17.26 - 16.51 - 15.82	20.63 - 19.73 - 18.91	5.43 - 5.16 - 4.98	6.31 - 6.00 - 5.78	7.15 - 6.79 - 6.55	9.54 - 9.06 - 8.74
	COP	kW/kW	4.61	4.28	4.03	4.61	4.28	4.03	4.28
Temp. Range	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	15.0 - 27.0°C
of Heating	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	-20.0 - 15.0°C
Indoor Unit	Total Capacity				50 to 130% of out	tdoor unit capacity			
Connectable	Model / Quantity	City Multi	10 - 140 / 9	10 - 140 / 10	10 - 140 / 12	10 - 140 / 9	10 - 140 / 10	10 - 140 / 12	10 - 200 / 12
		Branch Box*5	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8
	Mixed Brand	h City Multi	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 200 / 5
	System 1 unit Branch Box 2 units	Branch Box	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5
		City Multi	10 - 140 / 3 or 2*4	10 - 140 / 3	10 - 140 / 3	10 - 140 / 3 or 2*4	10 - 140 / 3	10 - 140 / 3	10 - 200 / 3
		Branch Box	15 - 100 / 7 or 8*4	15 - 100 / 8	15 - 100 / 8	15 - 100 / 7 or 8*4	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8
Sound Pressure Le (measured in anec		dB <a>	49 / 51	50 / 52	51 / 53	49 / 51	50 / 52	51 / 53	56 / 61
Refrigerant Piping	Liquid Pipe	mm			9.52	Flare			9.52*6 Flare
Diameter	Gas Pipe	mm			15.88	Flare			19.1 Flare
Fan	Type × Quantity				Propeller	r Fan × 2			
	Air Flow Rate	m³/min	110						139
		L/s			1,8	383			2,316
		cfm			3,8	384			4,908
	Motor Output	kW			0.074 +	+ 0.074			0.20 + 0.20
Compressor	Type × Quantity				Scroll hermetic	compressor x 1			
	Starting Method				Inve	erter			
	Motor Output	kW	2.9	3.5	3.9	2.9	3.5	3.9	5.3
External Dimension	ns (H ×W × D)	mm			1,338×1,050	0×330 (+40)			
Weight		kg		123			125		141

*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 10 to 52°C D.B.: When connecting PKFYP15/20/25VBM, PFFYP20/25/32VKM and PFFYP20/25/32VLE(R)M, PEFYP-VMA3, M, S and P series indoor unit.

*4 When connecting 7 indoor units via branch box, connectable City Multi indoor units are 3; connecting 8 indoor units via branch box, connectable indoor units are 2.

*5 At least 2 indoor units must be connected when using branch box.

*6 Liquid pipe diameter: 12.7mm when piping length is more than 60m.

Model			PUMY-P112YKME4(-BS)	PUMY-P125YKME4(-BS)	PUMY-P140YKME4(-BS)				
Power Source				3-phase 380 - 400 - 415V 50Hz					
Cooling Capacity	*1	kW	12.5	14.0	15.5				
(nominal)	Power Input	kW	2.79	3.46	4.52				
	Current Input	A	4.99 / 4.74 / 4.57	5.84 / 5.55 / 5.35	7.23 / 6.87 / 6.62				
	EER	kW/kW	4.48	4.05	3.43				
Temp. Range	Indoor Temp.	W.B.		15 to 24°C					
of Cooling	Outdoor Temp.*3	D.B.	−5 to 52°C						
Heating Capacity	*2	kW	14.0	16.0	18.0				
nominal)	Power Input	kW	3.04	3.74	4.47				
	Current Input	А	5.43 / 5.16 / 4.98	6.31 / 6.00 / 5.78	7.15 / 6.79 / 6.55				
	COP	kW/kW	4.61	4.28	4.03				
Гетр. Range	Indoor Temp.	D.B.		15 to 27°C					
of Heating	OutdoorTemp. W.B.		-20 to 15°C						
ndoor Unit	Total Capacity		50 to 130% of outdoor unit capacity						
Connectable	Model / Quantity	City Multi	10 - 140 / 9	10 - 140 / 10	10 - 140 / 12				
		Branch Box*5	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8				
	Mixed Branch Box	City Multi	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5				
	System 1 unit	Branch Box	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5				
	Branch Box	City Multi	10 - 140 / 3 or 2*4	10 - 140 / 3	10 - 140 / 3				
	2 units	Branch Box	15 - 100 / 7 or 8* ⁴	15 - 100 / 8	15 - 100 / 8				
Sound Pressure L measured in ane		dB <a>	49 / 51	50 / 52	51 / 53				
Refrigerant Piping	Liquid Pipe	mm		9.52 Flare					
Diameter	Gas Pipe	mm		15.88 Flare					
an	Type × Quantity		Propeller Fan × 2						
	Air Flow Rate	m³/min		110					
		L/s		1,833					
		cfm		3,884					
	Motor Output	kW		0.074 + 0.074					
ompressor	Type × Quantity			Scroll hermetic compressor × 1					
	Starting Method			Inverter					
	Motor Output	kW	2.9	3.5	3.9				
External Dimension	ons (H × W × D)	mm		1,338×1,050×330 (+40)					
Weight		kg		136					

*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 10 to 52°C D.B.: When connecting PKFYP15/20/25VBM, PFFYP20/25/32VKM and PFFYP20/25/32VLE(R)M, PEFYP-VMA3, M, S and P series indoor unit.
*4 When connecting 7 indoor units via branch box, connectable City Multi indoor units are 3; connecting 8 indoor units via branch box, connectable indoor units are 2.
*5 At least 2 indoor units must be connected when using branch box.

Туре				Brand	ch Box
Model Name	е			PAC-MK54BC	PAC-MK34BC
Connectable	Number of Indo	or Units		Maximum 5	Maximum 3
Power Supp	ly (from outdoor	unit)		~ / N, 220 / 230 / 240 V, 50	Hz, ~ / N, 220 / 230 V, 60 Hz
Input			kW	0.0	003
Running Cur	rrent		A	0.05 (1	Max. 6)
Dimensions		$H \times W \times D$	mm	170 × 4	50 × 280
Weight			kg	7.4	6.7
Piping	Branch	Liquid	mm	ø6.35 × 5	ø6.35 × 3
(Flare)	[Indoor Side]	Gas	mm	ø9.52 × 4, ø12.7 × 1	ø9.52 × 3
	Main	Liquid	mm	ø9	.52
	[Outdoor Side]	Gas	mm	ø15	5.88

^{*}The piping connection size differs according to the type and capacity of outdoor/indoor units.

Match the piping connection size of branch box with outdoor/indoor unit. If the piping connection size of branch box with outdoor/indoor unit. If the piping connection size of outdoor/indoor unit, use optional different-diameter (deformed) joints to the branch box side. (Connect deformed joint directly to the branch box side.)

Indoor Unit Compatibility Table

■ MXZ Series Possible combinations of outdoor units and indoor units are shown below.

		Outdoor Unit	NAV= *0	MAY= *0	10/= *0	10/= *0	NOV= *0			dels Heat			10/= *0	MAY= *0	10/= *0	LOV= *0	100
oor Unit			MXZ-*3 2F33VF3	MXZ-*3 2F42VF3								MXZ-*3 4F83VFHZ				MXZ-*3 2HA50VF	
series	Wall-	MSZ-LN18VG(W)(V)(R)(B)	2. 001. 0	22	21 00 11 (11)0	LI GOVI I IL	•	•	•	•		11 00 11 112	01 10211	01 12211	Z. II (101)	21810011	0.0.00
	Mounted	MSZ-LN25VG(W)(V)(R)(B)					•	•	•	•							
		MSZ-LN35VG(W)(V)(R)(B)					•	•	•								
		MSZ-LN50VG(W)(V)(R)(B)															
		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-AP15VG	•	•	•	•		•	•	•	•	•	•	•			
		MSZ-AP20VG															
		MSZ-AP25VG(K)		•				•				•	•	•			
		MSZ-AP35VG(K)		•		•	•	•	•	•		•	•	•			
		MSZ-AP42VG(K)			•	•	•	•	•	•	•	•	•	•			
		MSZ-AP50VG(K)				•	•	•	•	•		•	•	•			
		MSZ-AP60VG(K)						•	•	•	•	•	•	•			
		MSZ-AP71VG(K)									•	•	•	•			
		MSZ-EF18VG(K)(W)(B)(S)	•	•	•	•	•	•	•	•	•	•	•	•			
		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													•	•	
		MSZ-HR35VF													•	•	(
		MSZ-HR42VF														•	
		MSZ-HR50VF															
		MSZ-HR60VF															
		MSZ-HR71VF															
	Floor-	MFZ-KT25VG	•	•		•	•	•	•	•	•	•	•	•			
	Standing	MFZ-KT35VG		•				•	•		•	•	•	•			
													•				
	4	MFZ-KT50VG					•	•	•	•	•	•		•			
	1-way Cassette	MLZ-KP25VF	•	•		•		•	•		•	•	•	•			
		MLZ-KP35VF		•	•	•	•	•	•	•	•	•	•	•			
		MLZ-KP50VF						•				•	•	•			
eries	2×2 Cassette	SLZ-M15FA	•	•		•	•	•	•	•		•	•	•			
	Casselle	SLZ-M25FA	•	•				•		•		•	•	•			
		SLZ-M35FA		•	•	•	•	•	•		•	•	•	•			L
		SLZ-M50FA						•	•		•	•	•	•			
	Ceiling-	SEZ-M25DA*2	•	•		•	•	•	•	•		•	•	•			
	Concealed	SEZ-M25DAL*2	•	•	•	•	•	•	•	•	•	•	•	•			
		SEZ-M35DA		•	•	•	•	•	•	•	•	•	•	•			
		SEZ-M35DAL		•	•	•	•	•	•		•	•	•	•			
		SEZ-M50DA					•	•	•	•	•	•	•	•			
		SEZ-M50DAL					•	•	•	•	•	•	•	•			
		SEZ-M60DA								•	•	•	•	•			
								•	•								
		SEZ-M60DAL						•	•		•	•	•	•			
		SEZ-M71DA									•	•	•	•			
		SEZ-M71DAL									•	•	•	•			
eries	Ceiling-	PCA-M50KA					•	•	•	•							
	Suspended	PCA-M60KA						•	•								
		PCA-M71KA															
	Ceiling-	PEAD-M50JA					● *1	● *1	*1								
		PEAD-M50JAL					• *1	•*1	• *1	•							
	Concealed						-	_		-			-				
	Concealed	PEAD-M60.IA															
	Concealed	PEAD-M60JA															
	Concealed	PEAD-M60JA PEAD-M60JAL PEAD-M71JA															

^{*1} Maximum total current of indoor units: 3A or less.
*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 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.

■ MXZ Series R410A

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

Mounted MSZLANSYGW(MY)(R) 8		4E83VAHZ	5E102VA 6D12	ZVAZ ZDM40V.	4 L3L JIVI5
Mounted MSZLARSYCK(MYO/RIRIS)	_				1001110
MSZ-LANSVGW/VICKIRG			• •		+
MSZ.APSVQT	•				+
MSZ.APJSVG7 MSZ.APJSVG9 MSZ.EPJSVGW(JB)(S) MSZ.EFJSVGW(JB)(S) MSZ.EFJSW(JW, JW, JW, JW, JW, JW, JW, JW, JW, JW,					
MSZ.AP2WG** MSZ.A			•		
MSZ.AP3SVG*7 MS	•				
MSZ.APA2VG*7'	•				
MSZ_FERSYG(W)(B)(S)	•	•	•		
MSZ-EF12VG(W)(S)(S)	•		•		
MSZ-EF22VG(W)(B)(S)	•	•	• •		
MSZ-EF3SVG(W)(B)(S) MSZ-EF3CVG(W)(B)(S) MSZ-EF3CVG	•		•		
MSZ-EF35VG(W)(B)(S) MSZ-EF30VG(W)(B)(S) MSZ-EF30VG(W)(B)(S) MSZ-EF30VG(W)(B)(S) MSZ-EF30VG(W)(B)(S) MSZ-EF30VG(W)(B)(S) MSZ-EF30VG MSZ-EF30VG MSZ-EF30VG MSZ-EF30VG MSZ-SF30VG MSZ-M35VG MSZ-M35VG MSZ-M35VA MSZ-H350VA MSZ-	•	•	•	•	
MSZ-EF3CVG(W)(B)(S) MSZ-FH2SVE2 MSZ-FH3SVE2 MSZ-FH3F0VE2 MSZ-FH3F0VE2 MSZ-FS-FSVA MSZ-SF3CVA MSZ-SF3CVA MSZ-SF3CVB MSZ-H3SVA MSZ-H13SVA MSZ-B1ZSVA MSZ-B1Z	•		•		
### MSZ-FE5VG(W)(B)(S) ### MSZ-FE5VG(W)(B)(S) ### MSZ-FE5VE2 ### MSZ-FE5VE2 ### MSZ-FE5VE2 ### MSZ-FE5VE3 ### MSZ-SE72VE3 ### MSZ-MSZ-SE72VE3 ### MSZ-MSZ-SE72VE3 ### MSZ-MSZ-MSZ-W3 ### MSZ-MSZ-W3 ### M	•		• •	>	
### MSZ-FH3VE2			•)	
MSZ-FHSOVE2 MSZ-SF15VA MSZ-SF20VA MSZ-SF25VE3 MSZ-SF25VE3 MSZ-SF25VE3 MSZ-SF25VE3 MSZ-SF25VE3 MSZ-SF26WE3 MSZ-SF26WE3 MSZ-GF71VE2 MSZ-DM35VA MSZ-HJ25VA MSZ-HJ35VA MS	•				
MSZ-F15VA MSZ-SF2VYA MSZ-SF2VE3 MSZ-SF3VE3 MSZ-MSZ-WS-SSVE3 MSZ-MSZ-WS-SVA MSZ-WS-SVA	•				
MSZ-SF15VA MSZ-SF2W3 MSZ-SF3SVE3 MSZ-GF7VE2 MSZ-DM3SVA MSZ-HJ2SVA MSZ-HJ2SVA MSZ-HJ2SVA MSZ-HJ3SVA	•				
MSZ-SF20VA MSZ-SF26VE3 MSZ-SF30VE3 MSZ-SF30VE3 MSZ-SF30VE3 MSZ-SF30VE3 MSZ-GF60VE2 MSZ-GF60VE2 MSZ-GF60VE2 MSZ-GF30VE3 MSZ-MS20VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ50VA Floor- Standing MFZ-KJ35VE2 MFZ-KJ25VE2 MFZ-KJ50VE2 MFZ-KJ35VE2 MFZ-KJ50VE2 MFZ-KJ50VE	•				
MSZ-SF25VE3 MSZ-SF36VE3 MSZ-SF36VE3 MSZ-SF50VE3 MSZ-GF71VE2 MSZ-DMZ5VA MSZ-DMZ5VA MSZ-HJ25VA MSZ-HJ25VA MSZ-HJ35VA MSZ-MJ35VA MSZ-HJ35VA MSZ-HJ	•				1
MSZ-SF35VE3 MSZ-SF50VE3 MSZ-SF50VE3 MSZ-GF60VE2 MSZ-GF71VE2 MSZ-DM35VA MSZ-M35VA MSZ-H35VA MSZ-H	•	_			
MSZ-SF60VE3 MSZ-GF0VE2 MSZ-DM25VA MSZ-DM35VA MSZ-HJ26VA MSZ-HJ36VA MSZ-HJ36VA MSZ-HJ36VA MSZ-HJ36VA MSZ-HJ36VA MSZ-HJ36VA MSZ-HJ26VE2 Standing MFZ-KJ28VE2 1-way Cassette Ceiling- Concealed Ceiling- Concealed SEZ-M35DA SEZ-M35DA SEZ-M35DA SEZ-M35DA SEZ-M35DA SEZ-M35DA SEZ-M36DA SEZ-M	•				_
MSZ-GF60VE3 MSZ-GF60VE2 MSZ-GF71VE2 MSZ-DM25VA MSZ-HJ25VA MSZ-HJ25VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ50VA MSZ-HJ50VA MFZ-KJ35VE2 MFZ-KJ25VE2 MFZ-KJ50VE2 MFZ-KJ50VE2 MFZ-KJ50VE2 MFZ-KJ50VE2 MZ-KP25VF MZ-KP25VF MZ-KP25VF MZ-KP25VF MZ-KP25VF MZ-KP25VF MZ-KP35VF MZ-KP35V	•				_
MSZ-GF30VE2 MSZ-DM35VA MSZ-DM35VA MSZ-HJ25VA MSZ-HJ25VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ50VE2 MFZ-KJ50VE2 MFZ-KJ50VE2 MFZ-KJ50VE2 MFZ-KJ50VE2 MFZ-KJ50VE2 MIZ-KP35VF MIZ-KP35VE MIZ-M2-M2-M2-M2-M2-M2-M2-M2-M2-M2-M2-M2-M2-	•				_
MSZ-GF71VE2 MSZ-DM25VA MSZ-HJ25VA MSZ-HJ35VA MSZ-M55VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-M55VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-M55DA MSZ-M5DA MSZ-M5D	•				_
MSZ-DM35VA MSZ-HJ35VA MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ50VE2 1-way Cassette MLZ-KP35VF ML					_
MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ50VA Floor- Standing MFZ-KJ35VE2 MFZ-KJ35VE2 1-way Cassette L-way Cassette Ceiling- Concealed SEZ-M35DA					
MSZ-HJ25VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VA MSZ-HJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VF MZ-KP35VF					
MSZ-HJ35VA MSZ-HJ50VA MSZ-HJ50VA MSZ-HJ50VA MSZ-HJ50VE2 MSZ-KJ25VE2 MSZ-KJ25VE2 MSZ-KJ25VE2 MSZ-KJ25VE2 MSZ-KJ25VE2 MSZ-KJ25VE2 MSZ-KJ25VE2 MSZ-KJ25VE2 MSZ-KJ25VE MSZ-KJ25VF MSZ-KJ2					
Floor- Standing MSZ-HJS0VA MFZ-KJS5VE2 MFZ-KJS5VE2 MIZ-KPS5VF					
Floor-Standing MFZ-KJ25VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MFZ-KJ35VE2 MILZ-KP35VF MI					
Standing			• •		
MFZ-KJ50VE2	•	•	•		
Cassette MLZ-KP35VF MLZ-KP50VF MLZ-K			•		1
MILZ-KP50VF	•	•	• •		
2x2	•	•	•		
Cassette SLZ-M25FA	•	•	• •	>	
SLZ-M35FA					
SLZ-M50FA	•	•	•)	
Ceiling-Concealed SEZ-M25DA*2 SEZ-M25DAL*2 SEZ-M25DAL*2 SEZ-M25DAL*2 SEZ-M25DAL*2 SEZ-M25DAL SEZ-M35DA SEZ-M35DA SEZ-M50DA SEZ-M50DA SEZ-M50DA SEZ-M50DA SEZ-M50DA SEZ-M60DA SEZ-M60DA SEZ-M60DA SEZ-M60DA SEZ-M60DA SEZ-M60DA SEZ-M60DA SEZ-M60DA SEZ-M60DA SEZ-M71DA SEZ-M	•				
Concealed SEZ-M25DAL*2	•				
SEZ-M35DA					
SEZ-M35DAL SEZ-M50DA SEZ-M50DA SEZ-M60DA SEZ-M60DA SEZ-M60DA SEZ-M71DA SEZ-M	•				_
SEZ-M50DA	•				_
SEZ-M50DAL	•				+
SEZ-M60DA	•				
SEZ-M60DAL SEZ-M71DA SEZ-M71DAL S	•				
SEZ-M71DA SEZ-M71DAL SEZ-	•				
SEZ-M71DAL	•				
4-way Cassette PLA-M50EA • • • • • • • • • • • • • • • • • • •	•				
Cassette PLA-M60EA		_			+
PLA-M71EA	_	-			
Ceiling- PCA-M50KA					
Currended		_			
PCA-M71KA • • *6					
Ceiling- PEAD-M50JA		_		*1	
Concealed PEAD-M50JAL		_		*1	
PEAD-M60JA	1*6 •*1	*1*6		*1	
PEAD-M60JAL		_		*1	
PEAD-M71JA 0*116	1*6 •*1	*1*6	0 *1	*1	
PEAD-M71JAL 0*1*6	1*6 •*1	*1*6	● *1 ●	* 1	\top
aximum total current of indoor units: 3A or less. EZ-KD25 cannot be connected with MXZ-2D(E)/3E/4E/5E when total capacity of connected indoor units is equivalent to outdoor capacity (capacity ratio is XZ 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.	itio is 1).	pacity ratio i	s 1).		

■ PUMY-SP Series

Branch Box Connection Compatibility Table

Series	T	Model Name						Capacity					
Series	Type	Model Name	15	18	20	22	25	35	42	50	60	71	100
M series	Wall-Mounted	MSZ-LN•VG2					•	•		•			
		MSZ-AP•VG(K)	● *1		• *1		• *1	● *1	● *1	• *1			
		MSZ-FH•VE2					•	•		•			
		MSZ-EF•VG(K)		● *1		● *1	• *1	● *1	● *1	• *1			
		MSZ-SF•VA	•										
	1	MSZ-SF•VE3					•	•	•	•			
		MSZ-GF•VE2									•	•	
		MFZ-KT•VG					• *1	● *1		• *1			
	1-way Cassette	MLZ-KP•VF					• *1	* 1		• *1			
S series	Ceiling-Concealed	SEZ-M•DA(L)					• *1	● *1		• *1	• *1	• *1	
	2x2 Cassette	SLZ-M•FA	● *1				• *1	● *1		• *1			
P series	Ceiling-Suspended	PCA-M•KA						•		•	•	•	•
	4-way Cassette	PLA-M•EA						● *1		• *1	• *1	• *1	● *1
	Ceiling-Concealed	PEAD-M•JA(L)								• *1	• *1	• *1	• *1

^{*1} Connectable outdoor units are PUMY-SP112/125/140V(Y)KMR1(R2)(-BS).TH only.

LEV Kit Connection Compatibility Table

Series	I/I I Turno	Model Name					Сар	acity				
Series	I/U Type	woder name	15	18	20	22	25	35	42	50	60	71
M series	Wall-Mounted	MSZ-LN•VG2					• *1	• *1		• *1		
		MSZ-AP•VG(K)	• *1		• *1		* 1	• *1	• *1	• *1		
		MSZ-FH•VE2										
		MSZ-EF•VG(K)		* 1		* 1	* 1	* 1	• *1	● *1		
		MSZ-SF•VA	•									
		MSZ-SF•VE3								•		
	Floor-Standing	MFZ-KT•VG					• *1	• *1		• *1		

^{*1} Connectable outdoor units are PUMY-SP112/125/140V(Y)KMR1(R2)(-BS).TH only.

CITY MULTI Indoor Unit Compatibility Table for PUMY-SP112/125/140

Series	Tuno	Model Name							Cap	acity						
Selles	Туре	Wodel Name	P10	P15	P20	P25	P32	P40	P50	P63	P71	P80	P100	P125	P140	P200
CITY	1-way cassette	PMFY-P•VBM-E			•	•	•	•								
MULTI series	2-way cassette	PLFY-P•VLMD-E			•	•	•	•	•	•		•	•	•		
Selles	4-way cassette	PLFY-M•VEM-E			•	•	•	•	•	•		•	•	•		
		PLFY-EP•VEM-E *3							•	•		•				
		PLFY-P•VFM-E		•	•	•	•	•	•							
	Ceiling-concealed	PEFY-P•VMR-E-L/R			•	•	•									
		PEFY-P•VMS1(L)-E		•	•	•	•	•	•	•						
		PEFY-M•VMA(L)-A *2			•	•	•	•	•	•	•	•	•	•	•	
		PEFY-P•VMA3-E*1				•	•	•								
	F	PEFY-P•VMHS-E						•	•	•	•	•	•	•	•	
		PEFY-P•VMHS-E-F *4												•		
	Ceiling-suspended	PCFY-P•VKM-E						•		•			•	•		
	Wall-mounted	PKFY-P•VLM-E	•	•	•		•	•	•							
		PKFY-P•VKM-E								•			•			
	Floor-standing	PFFY-P•VKM-E2			•		•	•								
		PFFY-P•VLEM-E			•	•	•	•		•						
		PFFY-P•VCM-E			•	•	•	•	•	•						
	Lossnay	Lossnay							GUF-50/1	00RD(H)4						

^{*1} Authorized connectable indoor units are as follows;
PUMY-SP112: PEFY-P25x2+P32x2,PUMY-SP125: PEFY-P25x1+P32x3, PUMY-SP140: PEFY-P32x2+P40x2
*2 Do not connect Lossnay remote controller(s). (PZ-61DR-E, PZ-60DR-E, PZ-52SF-E, PZ-43SMF-E)
*3 PLFY-EP can not connect more than 3 units
*4 Connectable outdoor units are PUMY-SP112/125/140V(Y)KMR2(-BS). TH only.

■ PUMY-P Series

Branch Box Connection Compatibility Table

Series	T	Model Name						Capacity					
Series	Type	Model Name	15	18	20	22	25	35	42	50	60	71	100
M series	Wall-Mounted	MSZ-LN•VG2					•	•		•			
		MSZ-AP•VG(K)	* 1		* 1		•	•					
		MSZ-FH•VE2											
		MSZ-EF•VG(K)											
		MSZ-SF•VA			•								
		MSZ-SF•VE3					•		•				
		MSZ-GF•VE2										•	
		MFZ-KT•VG											
	1-way Cassette	MLZ-KP•VF					•	•					
S series	Ceiling-Concealed	SEZ-M•DA(L)					•	•			•	•	
	2×2 Cassette	SLZ-M•FA					•	•		•			
P series	Ceiling-Suspended	PCA-M•KA						•		•	•	•	•
	4-way Cassette	PLA-M•EA						•			•	•	•
	Ceiling-Concealed	PEAD-M•JA(L)								•	•	•	•

^{*1} MSZ-AP15/20VGK are not connectable.

LEV Kit Connection Compatibility Table

_			· · · · · · · · · · · · · · · · · · ·										
I	Series	I/II Turno	Model Name					Cap	acity				
	Series	I/U Type	woder Name	15	18	20	22	25	35	42	50	60	71
ı	M series	Wall-Mounted	MSZ-LN•VG2					•					
ı			MSZ-AP•VG(K)	• *1		• *1							
ı			MSZ-FH•VE2					•					
ı			MSZ-EF•VG(K)					•		•			
ı			MSZ-SF•VA	•		•							
ı			MSZ-SF•VE3					•					
		Floor-Standing	MFZ-KT•VG					•	•		•		

^{*1} MSZ-AP15/20VGK are not connectable.

CITY MULTI Indoor Unit Compatibility Table for PUMY-P112/125/140

Series	Tuno	Model Name							Cap	acity						
Selles	Туре	Woder Name	P10	P15	P20	P25	P32	P40	P50	P63	P71	P80	P100	P125	P140	P200
CITY	1-way cassette	PMFY-P•VBM-E			•	•	•	•								
MULTI series	2-way cassette	PLFY-P•VLMD-E			•	•	•	•	•	•		•	•	•		
361163	4-way cassette	PLFY-M•VEM-E			•	•	•	•	•	•		•	•	•		
		PLFY-EP•VEM-E *4							•	•		•				
		PLFY-P•VFM-E		•	•	•	•	•	•							
	Ceiling-concealed	PEFY-P•VMR-E-L/R			•	•	•									
		PEFY-P•VMS1(L)-E		•	•	•	•	•	•	•						
		PEFY-M•VMA(L)-A			•	•	•	•	•	•	•	•	•	•	•	
	F	PEFY-P•VMA3-E *1				•	•	•								
		PEFY-P•VMHS-E						•	•	•	•	•	•	•	•	
		PEFY-P•VMHS-E-F												•		
	Ceiling-suspended	PCFY-P•VKM-E						•		•			•	•		
	Wall-mounted	PKFY-P•VLM-E	•	•	•	•	•	•	•							
		PKFY-P•VKM-E								•			•			
	Floor-standing	PFFY-P•VKM-E2			•	•	•	•								
		PFFY-P•VLEM-E			•	•	•	•	•	•						
		PFFY-P•VCM-E			•	•	•	•	•	•						
	ATW	PWFY-P•VM-E1 *2											•			
	Lossnay								GUF-50/1	00RD(H)4						

CITY MULTI Indoor Unit Compatibility Table for PUMY-P200

Series	Tuno	Model Name							Cap	oacity						
Series	Type 1-way cassette	woder name	P10	P15	P20	P25	P32	P40	P50	P63	P71	P80	P100	P125	P140	P200
	2-way cassette	PMFY-P•VBM-E			•	•	•	•								
MULTI series	4-way cassette	PLFY-P•VLMD-E			•	•	•	•	•	•		•	•	•		
Selles		PLFY-M•VEM-E			•	•	•	•	•	•		•	•	•		
		PLFY-EP•VEM-E *4								•						
	Ceiling-concealed	PLFY-P•VFM-E		•	•	•	•	•	•							
		PEFY-P•VMR-E-L/R			•	•	•									
		PEFY-P•VMS1(L)-E		•	•	•	•	•	•	•						
	F	PEFY-M•VMA(L)-A			•	•	•	•	•	•	•	•	•	•	•	
		PEFY-P•VMA3-E *1						•		•						
		PEFY-P•VMHS-E						•	•	•	•	•	•	•	•	•
		PEFY-P•VMHS-E-F														•
	Ceiling-suspended	PCFY-P•VKM-E						•		•			•	•		
	Wall-mounted	PKFY-P•VLM-E		•	•	•	•	•	•							
		PKFY-P•VKM-E								•			•			
	Floor-standing	PFFY-P•VKM-E2			•	•	•	•								
		PFFY-P•VLEM-E			•	•	•	•	•	•						
-		PFFY-P•VCM-E			•	•	•	•	•	•						
	Lossnay								GUF-50/1	100RD(H)4						

¹ Authorized connectable indoor units are as follows;
PUMY-P112:PEFY-P25x2+P32x2, PUMY-P125:PEFY-P32x4, PUMY-P140:PEFY-P32x3+P40x1, PUMY-P200YKM2:PEFY-P40x2+P63x2
2 Note that connection is not allowed inside EU countries.
PWFY can not connect to PUMY-P200YKM2.
3 Do not connect Lossay remote controller(s). (PZ-61DR-E, PZ-60DR-E, PZ-52SF-E, PZ-43SMF-E)
4 PUMY-P112/125/140: PLFY-EP can not connect more than 3 units
PUMY-P200: Authorized connectable indoor units are only as follows; PLFY-EP63VEM-Ex3.

POWERFUL HEATING







SELECTION

Choose the series that best matches the building layout.







LN VGHZ SERIES

Unlike conventional air conditioning systems, the LN Series don't lose heating capacity when it's cold outside. Original technologies ensure excellent heating performance under extremely low outdoor temperatures and an impressive guaranteed operating range.

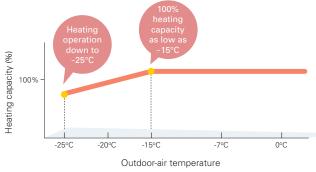




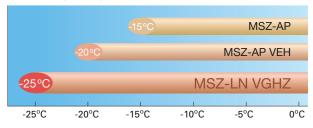
MSZ-LN25/35/50VG2(W)(V)(R)(B)

Unparalleled Heating Performance

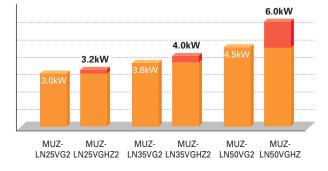
LN Series outdoor units are equipped with a high-output compressor that provides enhanced heating performance under low outdoor temperatures. The heating operation range is extended down to -25°C.



Operating Range



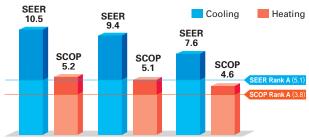
Declared Capacity (at reference design temperature)



High Energy Efficiency – Energy Rank of A⁺ or higher for All Models



With indoor units that combine functionality, design and capacity and outdoor units equipped with a high-efficiency compressor, the MUZ-LN VGHZ simultaneously achieves high heating capacity and energy-saving performance.



MUZ-LN25VGHZ2 MUZ-LN35VGHZ2 MUZ-LN50VGHZ

Freeze-prevention Heater Equipped as Standard

The Freeze-prevention heater restricts lowered capacity and operation shutdowns caused by the drain water freezing. This supports stable operation in low-temperature environments.

Operation Guaranteed at Outside Temperature of -25°C





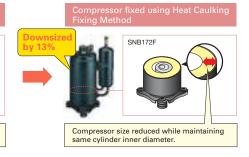
Without Freeze-prevention heater

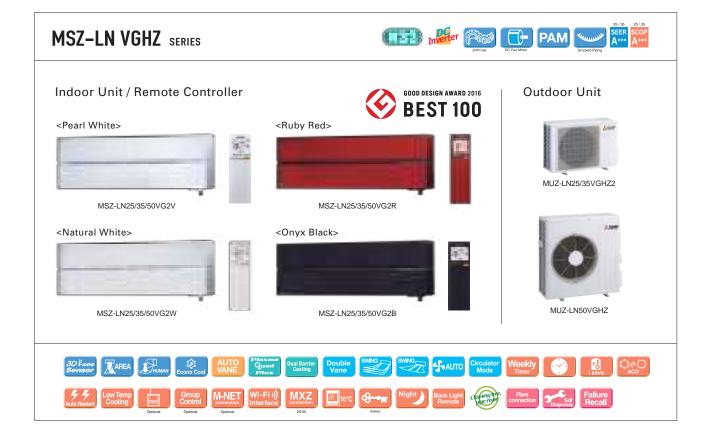
With Freeze-prevention heater

Compact, Powerful Compressor

A special manufacturing technology, "Heat Caulking Fixing Method," has been introduced to reduce compressor size while maintaining a high compressor output. This technology enables the installation of a powerful compressor in compact MUZ outdoor units. As a result, excellent heating performance is achieved when operating in cold outdoor environments.







Гуре						Inverter Heat Pump	
ndoor Un	it				MSZ-LN25VG2(W)(V)(R)(B)	MSZ-LN35VG2(W)(V)(R)(B)	MSZ-LN50VG2(W)(V)(R)(B)
utdoor L	Jnit				MUZ-LN25VGHZ2	MUZ-LN35VGHZ2	MUZ-LN50VGHZ
efrigerar	nt					R32 (*1)	
ower	Source					Outdoor Power supply	
upply	Outdoor (V/Phase/H	z)				230/Single/50	
ooling	Design Load			kW	2.5	3.5	5.0
	Annual Electricity Co	nsumpti	on (*2)	kWh/a	83	130	230
	SEER (* 4)				10.5	9.4	7.6
		Energy	Efficiency Class		A+++	A+++	A++
	Capacity	Rated		kW	2.5	3.5	5.0
		Min - Ma	3X	kW	0.8 - 3.5	0.8 - 4.0	1.4 - 5.8
	Total Input	Rated		kW	0.485	0.820	1.380
ating	Design Load			kW	3.2 (-10°C)	4.0 (-10°C)	6.0 (-10°C)
verage ason)(*5)	Declared Capacity	at refere	nce design temperature	kW	3.2 (-10°C)	4.0 (-10°C)	6.0 (-10°C)
13011)		at bivale	nt temperature	kW	3.2 (-10°C)	4.0 (-10°C)	6.0 (-10°C)
		at opera	tion limit temperature	kW	2.3 (-25°C)	3.1 (-25°C)	4.7 (-25°C)
	Back Up Heating Cap			kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)
	Annual Electricity Co	nsumpti	on ^(*2)	kWh/a	861	1098	1826
	SCOP (*4)				5.2	5.1	4.6
		Energy	Efficiency Class		A+++	A+++	A++
	Capacity	Rated		kW	3.2	4.0	6.0
		Min - Ma	ax .	kW	0.8 - 6.3	0.9 - 6.6	1.8 - 8.7
	Total Input	Rated		kW	0.600	0.820	1.480
erating	g Current (max)			Α	9.9	10.5	15.2
H	nput Rated			kW	0.027	0.027	0.034
iit	Operating Current (max)			А	0.3	0.3	0.4
	Dimensions		$H \times W \times D$	mm	307 - 890 - 233	307 - 890 - 233	307 - 890 - 233
	Weight			kg	15.5	15.5	15.5
	Air Volume		Cooling	m³/min	4.3 - 5.8 - 7.1 - 8.8 - 11.9	4.3 - 5.8 - 7.1 - 8.8 - 12.8	5.7 - 7.6 - 8.9 - 10.6 - 13.9
	(SLo-Lo-Mid-Hi-SHi (*3)(I	Ory/Wet))	Heating	m³/min	4.0 - 5.7 - 7.1 - 8.5 - 14.4	4.3 - 5.7 - 7.1 - 8.5 - 13.7	5.4 - 6.4 - 8.5 - 10.7 - 15.7
	Sound Level (SPL)	213	Cooling	dB(A)	19 - 23 - 29 - 36 - 42	19 - 24 - 29 - 36 - 43	27 - 31 - 35 - 39 - 46
	(SLo-Lo-Mid-Hi-SHi (*	")	Heating	dB(A)	19 - 24 - 29 - 36 - 45	19 - 24 - 29 - 36 - 45	25 - 29 - 34 - 39 - 47
	Sound Level (PWL)			dB(A)	58	58	60
	Dimensions		$H \times W \times D$	mm	550 - 800 - 285	550 - 800 - 285	880 - 840 - 330
iit	Weight			kg	35	36	55
	Air Volume		Cooling	m³/min	31.4	33.8	48.8
			Heating	m³/min	27.4	27.4	51.3
	Sound Level (SPL)		Cooling	dB(A)	46	49	51
			Heating	dB(A)	49	50	54
	Sound Level (PWL)		Cooling	dB(A)	60	61	64
	Operating Current (r	nax)		А	9.6	10.2	14.8
	Breaker Size		·	А	10	12	16
t.	Diameter		Liquid / Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52
ping	Max. Length		Out-In	m	20	20	30
	Max. Height		Out-In	m	12	12	15
	ed Operating Range		Cooling	°C	-10 ~ +46	−10 ~ +46	−10 ~ +46
Outdoorl			Heating	°C	-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 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 CO₂, 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.

(*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) SHI: Super High

(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(*5) Please see page 51-52 for heating (warmer season/colder season) specifications.

FT VGHZ SERIES

Unlike conventional air conditioning systems, the FT Series don't lose heating capacity when it's cold outside. Original technologies ensure excellent heating performance under extremely low outdoor temperatures and an impressive guaranteed operating range. Furthermore, the smaller and stylish indoor unit does not give you the limitation of installation location.



MSZ-FT25/35/50VG(K)



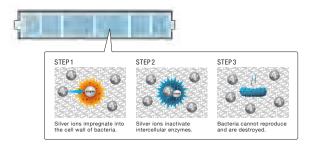
Compact Design

The FT series features its compact design with 280mm height and 229mm depth, which is suitable for the installation above the door.



Silver-ionized Air Purifier Filter

The high performance filter is attached as standard. Captures the bacteria, pollen and other allergens in the air and neutralises them.



Remote Controller with Backlight

The remote controller screen is equipped with an LED backlight. The luminous screen allows you to check the setting easily even in the dark.



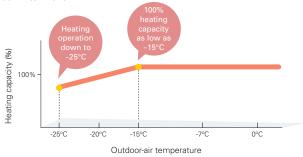
Built-in Wi-Fi

(MSZ-FT25/35/50VGK)

Mitsubishi Electric Wi-Fi Control gives you the freedom to tailor your heating and cooling needs through computers, tablets, or smartphones from anywhere.

Hyper Heating

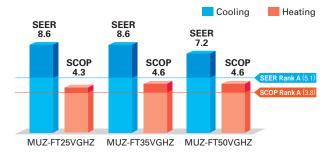
Mitsubishi Electric's powerful compressor and highly cold-resistant parts enable the heat pump to provide 100% or more heating capacity even at -15° C, and also the heating operation is guaranteed down to -25° C.



High Energy Efficiency – Energy Rank of A⁺ or higher for All Models



With indoor units that combine functionality, design and capacity and outdoor units equipped with a high-efficiency compressor, the MUZ-FT VGHZ simultaneously achieves high heating capacity and energy-saving performance.



(MSZ-FT25/35/50VG(K)-SC Scandinavian Model)

Circulator Mode

After reaching the target temperature, heating mode will automatically switch to Circulator mode, which makes the unit go into "fanonly" state and mixes warm air in the room.

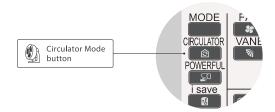




Image is for illustration purposes.

MSZ-FT SERIES











Remote Controller







MSZ-FT25/35/50VG(K)

Outdoor Unit







MUZ-FT35/50VGHZ

































714 - 800 - 285

40

40.2 40.2

51

54

64

16

6.35 / 9.52

30

15

-10 ~ +46

-25 ~ +24





Indoor Unit

Refrigeran

Power Supply

Outdoor Unit

Cooling Design Load

Capacity

Heating (Average Declared Capacity

SCOP (*4)

Capacity

Total Input

Dimensions

Weight

Outdoor Dimensions

Weight

Air Volume

Breaker Size

Max. Length

Max. Height

Diameter

Guaranteed Operating Range

Operating Current (max)

Input

Indoor

Unit

Total Input







Energy Efficiency Class

at bivalent temperature

Energy Efficiency Class

Rated

 $H \times W \times D$

Cooling

Heating

Cooling

Heating

 $H \times W \times D$

Cooling

Heating

Cooling

Heating

Cooling

Out-In

Out-In

Cooling

Heating

Liquid / Gas

at reference design temperature

at operation limit temperature





kW

kWh/a

kW

kW

kW

kW

kW

kW

kW

kW

kWh/a

kW

kW

kW

Α

kW

Α

mm

kg

m³/min

dB(A)

dB(A)

dB(A)

mm

kg

m³/min

dB(A)

dB(A)

dB(A)

Α

Α

mm

m

m

°C





2.5

101

8.6

2.5

0.580

973

4.6

A++

3.2

0.760

10.0

0.039

550 - 800 - 285

34

30.4

46

49

60

9.6

12

6.35 / 9.52

20

12

-10 ~ +46











Source Outdoor (V/Phase/Hz)

Annual Electricity Consumption (*2)

Back Up Heating Capacity

Operating Current (max)

Air Volume (SLo-Lo-Mid-Hi-SHi (*3) (Dry/Wet))

Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi^(*3))

Sound Level (PWL)

Sound Level (SPL)

Sound Level (PWL)

Operating Current (max)

Annual Electricity Consumption (*2)

Rated

Rated

Rated

Min - Max

Min - Max





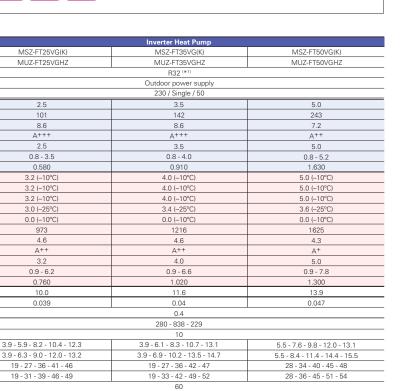












714 - 800 - 285

40

40.2

40.2

49

61

11.2

12

6.35 / 9.52

30

15

-10 ~ +46

-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 high	gher GWP, if leaked to the atmosphere.
This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global	I warming would be 1975 times higher
than 1kg of CO2, 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 CWP of R410A is 2009 in the IPCC 4th Assessment Report	

The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

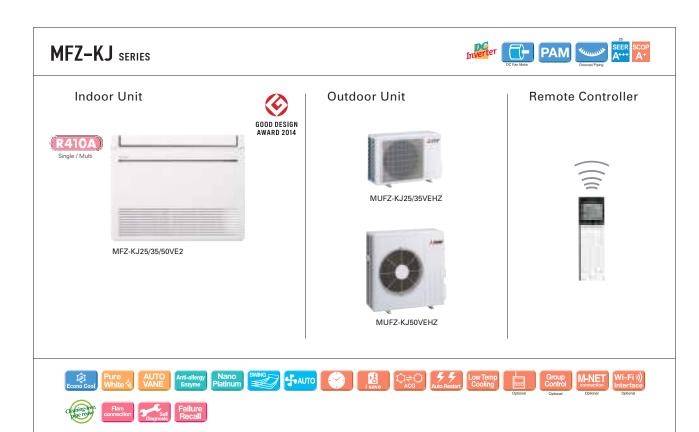
(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High

(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season" (*5) Please see page 51-52 for heating (warmer season) specifications.







Гуре						Inverter Heat Pump	
ndoor Un	nit				MFZ-KJ25VE2	MFZ-KJ35VE2	MFZ-KJ50VE2
Outdoor (Jnit				MUFZ-KJ25VEHZ	MUFZ-KJ35VEHZ	MUFZ-KJ50VEHZ
lefrigerar	nt					R410A (*1)	
ower	Source					Outdoor power supply	
upply	Outdoor (V/Phase/H	z)				230 / Single / 50	
ooling	Design Load			kW	2.5	3.5	5.0
	Annual Electricity Co	nsumpti	on (*2)	kWh/a	102	150	266
	SEER (*4)				8.5	8.1	6.5
			Efficiency Class		A+++	A++	A++
	Capacity	Rated		kW	2.5	3.5	5.0
		Min - Ma	ax	kW	0.5 - 3.4	0.5 - 3.7	1.6 - 5.7
	Total Input Rated		kW	0.540	0.940	1.410	
eating	Design Load			kW	3.5	3.6	4.5
Average	Declared Capacity	at refere	nce design temperature	kW	3.5	3.6	4.5
Season)		-	nt temperature	kW	3.5	3.6	4.5
	at operation limit temperatur		tion limit temperature	kW	1.6	2.3	3.3
	Back Up Heating Cap	Back Up Heating Capacity		kW	0.0	0.0	0.0
	Annual Electricity Consumption (*2)			kWh/a	1104	1158	1467
	SCOP (* 4)	SCOP (*4)			4.4	4.3	4.2
	Energy Effi		Efficiency Class		Α+	A+	A+
	Capacity	apacity Rated		kW	3.4	4.3	6.0
		Min - Max		kW	1.2 - 5.1	1.2 - 5.8	2.2 - 8.4
	Total Input	Rated		kW	0.770	1.100	1.610
peratin	g Current (max)			А	4.42	3.91	3.73
door	Input		Rated	kW	0.016	0.016	0.038
nit	Operating Current (r	nax)		А	0.17	0.17	0.34
	Dimensions		$H \times W \times D$	mm		600 - 750 - 215	
	Weight	'		kg	15	15	15
	Air Volume		Cooling	m³/min	3.9 - 4.9 - 5.9 - 7.1 - 8.2	3.9 - 4.9 - 5.9 - 7.1 - 8.2	5.6 - 6.7 - 8.0 - 9.3 - 10.6
	(SLo-Lo-Mid-Hi-SHi ^(*3) (I	Ory/Wet))	Heating	m³/min	3.9 - 5.1 - 6.2 - 7.7 - 9.7	3.9 - 5.1 - 6.2 - 7.7 - 9.7	6.0 - 7.4 - 9.4 - 11.6 - 14.0
	Sound Level (SPL)		Cooling	dB(A)	20 - 25 - 30 - 35 - 39	20 - 25 - 30 - 35 - 39	27 - 31 - 35 - 39 - 44
	(SLo-Lo-Mid-Hi-SHi (*	5))	Heating	dB(A)	19 - 25 - 30 - 35 - 41	19 - 25 - 30 - 35 - 41	29 - 35 - 40 - 45 - 50
	Sound Level (PWL)			dB(A)	49	50	56
	Dimensions		$H \times W \times D$	mm	550 - 80	0 - 285	880 - 840 - 330
nit	Weight			kg	37	37	55
	Air Volume		Cooling	m³/min	31.3	31.3	45.8
			Heating	m³/min	33.6	33.6	45.8
	Sound Level (SPL)		Cooling	dB(A)	46	47	49
			Heating	dB(A)	51	51	51
	Sound Level (PWL)		Cooling	dB(A)	59	60	63
	Operating Current (r	nax)		Α	9.2	10	13.6
	Breaker Size			А	10	12	16
xt.	Diameter		Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
iping	Max. Length		Out-In	m	20	20	30
	Max. Height		Out-In	m	12	12	15
	ed Operating Range		Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46
Outdoorl			Heating	°C	-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 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 CO2, over a pendio 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 R410A is 2088 in the IPCC 4th Assessment Report.

(*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) SHI: Super High

(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

ZUBADAN SERIES

The ZUBADAN Series incorporates an original Flash Injection technology that improves the already high heating capacity of the system. This new member of the series line-up ensures comfortable heat pump-driven heating performance in cold regions.

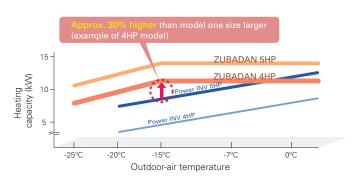


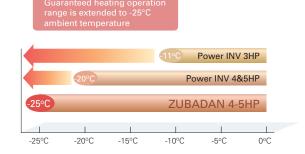
* Units in photo are Japanese models.

European model specifications are different.

Improved Heating Performance

Mitsubishi Electric's unique "Flash Injection" circuit achieves remarkably high heating performance. This technology has resulted in an excellent heating capacity rating in outdoor temperatures as low as -15°C, and the guaranteed heating operation range of the heating mode has been extended to -25°C. Accordingly, the heat-pump units of the ZUBADAN Series are perfect for warming homes in the coldest of regions.

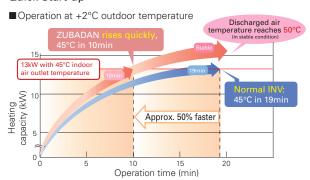


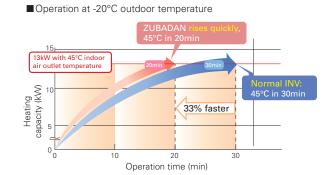


Enhanced Comfort

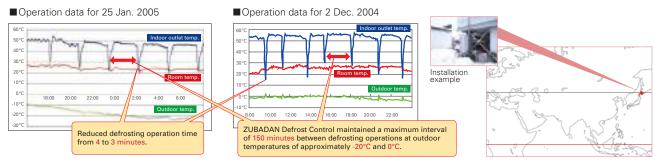
The Flash Injection circuit improves start-up and recover from the defrosting operation. A newly introduced defrost operation control also improves defrost frequency. These features enable the temperature to reach the set temperature more quickly, and contribute to maintaining it at the desired setting.

Quick Start-up





ZUBADAN Defrost Control and Faster Recovery from Defrost Operation Field Test Results: Office building in Asahikawa, Hokkaido, Japan



ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A and A+

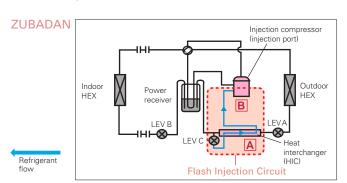


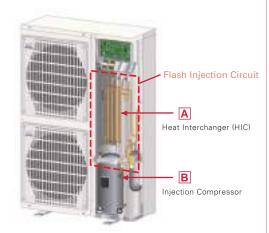
Powerful heating yet annually high energy efficiency in both cooling and heating, achieving rank A and A+.



Mitsubishi Electric's Flash Injection Technology The Key to High Heating Performance at Low Outdoor Temperatures

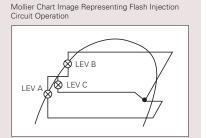
■Flash Injection Circuit





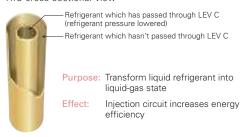
The ZUBADAN Series is equipped with Mitsubishi Electric's original Flash Injection Circuit, which is comprised of a bypass circuit and heat interchanger (HIC). The HIC transforms rerouted liquid refrigerant into a gas-liquid state to lower compression load. This process ensures excellent heating performance even when the outdoor temperature drops very low.

In traditional units, when the outdoor temperature is low, the volume of refrigerant circulating in the compressor decreases due to the drop in refrigerant pressure and the protection from overheating caused by high compression, thereby reducing heating capacity. The Flash Injection Circuit injects refrigerant to maintain the refrigerant circulation volume and compressor operation load, thereby maintaining heating capacity.



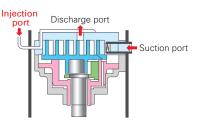
A Heat Interchanger (HIC)

HIC cross-sectional view



The compressor is subjected to a heavy load when compressing liquid refrigerant, and the result is lower operation efficiency. The addition of HIC supports refrigerant heat exchange at two different pressure levels. The heat-exchange process transforms the injected liquid refrigerant into a gas liquid state, thereby decreasing the load on the compressor during the compression process.

B Injection Compressor



Purpose: To increase the volume of refrigerant being circulated

Improves heating capacity at low outdoor temperatures, and enables higher indoor-air outlet temperature adjustment and higher defrost operation speed

Refrigerant passes from the HIC into the compressor through the injection port. Having two refrigerant inlets makes it possible to raise the volume of refrigerant being circulated when the outdoor temperature is low and at the start of heating operation.

PLZ-SHW SERIES



















Panel

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Auto Elevation
PLP-6EA				
PLP-6EAL	✓			
PLP-6EAE		✓		
PLP-6EALE	✓	✓		
PLP-6EAJ	✓			✓
PLP-6EAJE	√	✓		✓
PLP-6EALM	✓		✓	
DID SEVIME	./	./	./	

Outdoor Unit

(R410A)



PUHZ-SHW112VHA(-BS) PUHZ-SHW112/140YHA(-BS)

Remote Controller







*optional





































































Гуре					Inverter Heat Pump	
ndoor Uni	t			PLA-Zľ	/100EA	PLA-ZM125EA
Outdoor U				PUHZ-SHW112VHA	PUHZ-SHW112YHA	PUHZ-SHW140YHA
Refrigeran				R410A*1		
	Outdoor (V/Phase/Hz)			Outdoor power supply		
Supply	Outdoor (V/Phase/H	z)		230 / 1 / 50	400 / 3 / 50	400 / 3 / 50
Cooling	Capacity	Rated	kW	10.0	10.0	12.5
		Min - Max	kW	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0
	Total Input	Rated	kW	2.857	2.857	5.000
	EER			-	-	2.50
		EEL Rank		=	-	-
	Design Load		kW	10.0	10.0	-
	Annual Electricity Consumption*2		kWh/a	633	633	-
	SEER*4			5.5	5.5	_
		Energy Efficiency Class		А	A	-
eating	Capacity	Rated	kW	11.2	11.2	14.0
Average		Min - Max	kW	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0
Season)	Total Input Rated		kW	2.667	2.667	4.000
	COP			-	-	3.50
	EEL Rank			_	_	_
	Design Load		kW	12.7	12.7	_
	Declared Capacity	at reference design temperature	kW	11.2 (-10°C)	11.2 (-10°C)	_
	,	at bivalent temperature	kW	11.2 (-7°C)	11.2 (-7°C)	_
		at operation limit temperature	kW	9.3 (-25°C)	9.3 (-25°C)	_
	Back Up Heating Ca		kW	1.5	1.5	_
	Annual Electricity Consumption*2		kWh/a	4420	4420	
	SCOP*4 Energy Efficiency Class		ice virgo	4.0	4.0	
				A+	A+	_
perating	Current (max)		А	35.5	13.5	13.5
	Input	Rated	kW	0.07	0.07	0.08
nit	Operating Current (r		A	0.47	0.47	0.52
	Dimensions <panel></panel>		mm	298-840-840 <40-950-950>		0.52
	Weight <panel></panel>	111 11 11 11 11 11 11 11 11 11 11 11 11	kg	26 <5>	26 <5>	26 <5>
	Air Volume [Lo-Mi2-N	Mi1-Hil	m³/min	19 - 22 - 25 - 28	19 - 22 - 25 - 28	21 - 24 - 26 - 29
	Sound Level (SPL) [L		dB(A)	31 - 34 - 37 - 40	31 - 34 - 37 - 40	33 - 36 - 39 - 41
	Sound Level (PWL)	So renz rent ting	dB(A)	61	61	62
	Dimensions	$H \times W \times D$	mm		1350 - 950 - 330 (+30)	02
	Weight	J	kg	120	1350 - 950 - 330 (+30)	134
	Air Volume	Cooling	m³/min	100	100	100
	All VOIGILIE	Heating	m³/min	100	100	100
	Sound Level (SPL)	Cooling	dB(A)	51	51	51
	Journa Level (JPL)	Heating	dB(A)	52	52	52
	Sound Level (PWL)		dB(A)	69	52 69	69
		Cooling		35	13	13
	Operating Current (r	пах)	A			
	Breaker Size	In the	Α	40	16	16
	Diameter	Liquid / Gas	mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	75	75	75
	Max. Height	Out-In Cooling*3	m °C	30 -15 ~ +46	30 -15 ~ +46	30 -15 ~ +46
	d Operating Range					

^{*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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO₂, 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 based on standard test results.
*3 Optional air protection guide is required where ambient temperature is lower than –5°C.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

PLZ-SHW SERIES



















Panel

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Auto Elevation
PLP-6EA				
PLP-6EAL	✓			
PLP-6EAE		✓		
PLP-6EALE	✓	✓		
PLP-6EAJ	✓			✓
PLP-6EAJE	✓	✓		✓
PLP-6EALM	✓		✓	
PLP-6EALME	√	✓	✓	

Outdoor Unit

(R410A)



PUHZ-SHW112VHA(-BS) PUHZ-SHW112/140YHA(-BS)

Remote Controller







*optional





*optional



















































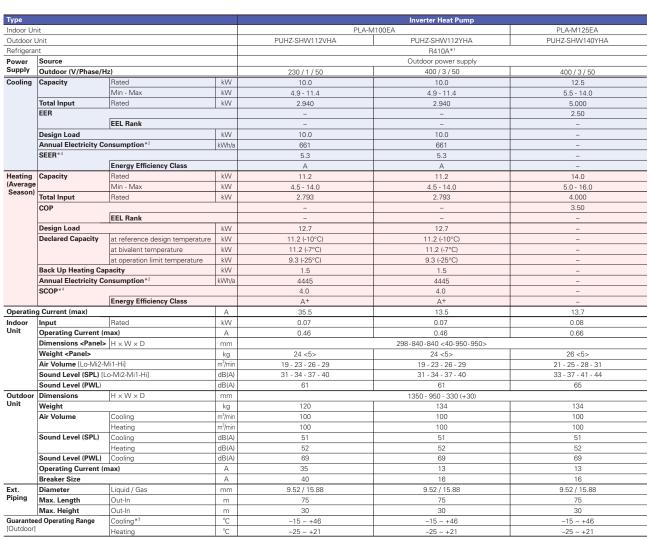












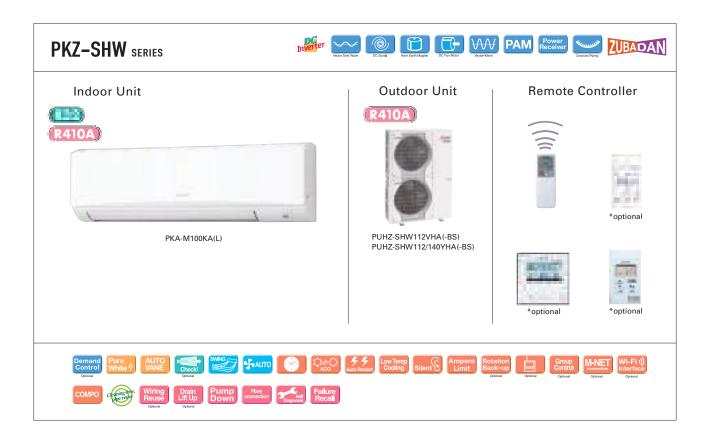
^{*1} Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO₂, 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 based on standard test results.
*3 Optional air protection guide is required where ambient temperature is lower than -5°C.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

PAM Power Receiver ZUBADAN PEDZ-SHW JA SERIES Indoor Unit Remote Controller **Outdoor Unit** (R410A) *optional optional PEAD-M100JA(L) PUHZ-SHW112VHA(-BS) PUHZ-SHW112/140YHA(-BS) Demand Control Control Cong Life Check Character Cooling Silent Silent Silent Check Character Cooling Cooling Check Character Cooling Cooling Check Character Cooling Cooling Check Character Cooling Check Character Ch

уре				Inverter He	<u> </u>	
ndoor Ur				PEAD-M1		
Outdoor I				PUHZ-SHW112VHA(-BS)	PUHZ-SHW112YHA(-BS)	
efrigera				R410A*1		
Power Source Supply Outdoor (V/Phase/Hz)		Outdoor pov				
				VHA:230 / Single / 50,		
ooling	Capacity	Rated	kW	10.0	10.0	
		Min - Max	kW	4.9 - 11.4	4.9 - 11.4	
	Total Input	Rated	kW	2.924 (2.904)	2.924 (2.904)	
	EER			-	-	
	EEL Rank		kW	-	-	
				10.0	10.0	
	Annual Electricity Co	nsumption*2	kWh/a	729 (714)	729 (714)	
	SEER*4			4.8 (4.9)	4.8 (4.9)	
		Energy Efficiency Class		В	В	
eating	Capacity	Rated	kW	11.2	11.2	
verage eason)		Min - Max	kW	4.5 - 14.0	4.5 - 14.0	
043011)	Total Input	Rated	kW	3.103	3.103	
	COP			-		
	EEL Rank			-	-	
	Design Load		kW	12.7	12.7	
	Declared Capacity	at reference design temperature	kW	11.2	11.2	
		at bivalent temperature	kW	11.2	11.2	
		at operation limit temperature	kW	9.4	9.4	
	Back Up Heating Capacity		kW	1.5	1.5	
			kWh/a	4664	4664	
	SCOP*4			3.8	3.8	
		Energy Efficiency Class		A	А	
peratin	g Current (max)		А	37.7	15.7	
door	Input [Cooling / Heating	ng] Rated	kW	0.25 (0.23) / 0.23	0.25 (0.23) / 0.23	
nit	Operating Current (n	nax)	Α	2.65	2.65	
	Dimensions	$H \times W \times D$	mm	250 - 1400 - 732	250 - 1400 - 732	
	Weight		kg	41 (40)	41 (40)	
	Air Volume [Lo-Mid-H	li]	m³/min	24.0 - 29.0 - 34.0	24.0 - 29.0 - 34.0	
	External Static Press		Pa	35 / 50 / 70 / 100 / 150	35 / 50 / 70 / 100 / 150	
	Sound Level (SPL) [L	o-Mid-Hi]	dB(A)	29 - 34 - 38	29 - 34 - 38	
	Sound Level (PWL)		dB(A)	61	61	
utdoor	Dimensions	H × W × D	mm	1350 - 950 - 330 (+30)	1350 - 950 - 330 (+30)	
nit	Weight		kg	120	134	
	Air Volume	Cooling	m³/min	100.0	100.0	
		Heating	m³/min	100.0	100.0	
	Sound Level (SPL)	Cooling	dB(A)	51	51	
		Heating	dB(A)	52	52	
	Sound Level (PWL)	Cooling	dB(A)	69	69	
	1 1 1 1 1 1		А	35.0	13.0	
	Breaker Size		Α	40	16	
xt.	Diameter	Liquid / Gas	mm	9.52 / 15.88	9.52 / 15.88	
iping	Max. Length	Out-In	m	75	75	
	Max. Height	Out-In	m	30	30	
uarante	ed Operating Range	Cooling*3	°C	-15 ~ +46	-15 ~ +46	
Outdoor]		Heating	°C	-25 ~ +21	-25 ~ +21	

^{*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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO2, 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 Optional air protection guide is required where ambient temperature is lower than –5°C.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

Drain Lift Up Down Connection Set Recal



Туре				Inverter H	not Dumin
Indoor Ur	nit .			Inverter H PKA-M1	•
Outdoor				PUHZ-SHW112VHA(-BS)	PUHZ-SHW112YHA(-BS)
Refrigerant Power Source Supply Ocades (VID) and U.S.			R410A*1		
Supply	Outdoor (V/Phase/Hz) VHA:230 / Single / 50, YHA:400 / Three / 50				
Cooling	Capacity	Rated	kW	10.0	10.0
Cooling	Сарасну	Min - Max	kW	4.9 - 11.4	4.9 - 11.4
	Total Input	Rated	kW	2.924	2.924
	Design Load	nateu	kW	10.0	10.0
	Annual Electricity Co	noumntion*2	kWh/a		
	SEER*4	onsumption	KVVII/a	673	673
	SEEN.			5.2 A	5.2
H. C.	0	Energy Efficiency Class Rated	kW		A
Heating (Average	Capacity	* * * * * * * * * * * * * * * * * * * *	_	11.2	11.2
Season)		Min - Max	kW	4.5 - 14.0	4.5 - 14.0
·	Iotal Input	Rated	kW	3.103	3.103
	Design Load		kW	12.7	12.7
	Declared Capacity	at reference design temperature	kW	11.2	11.2
		at bivalent temperature	kW	11.2	11.2
		at operation limit temperature	kW	9.4	9.4
	Back Up Heating Cap		kW	1.5	1.5
	Annual Electricity Co	onsumption*2	kWh/a	4664	4664
	SCOP*4			3.8	3.8
		Energy Efficiency Class		A	A
Operatin	g Current (max)		Α	35.6	13.6
Indoor	Input	Rated	kW	0.08	0.08
Unit	Operating Current (r	nax)	Α	0.57	0.57
	Dimensions <panel></panel>	H × W × D	mm	365 - 11	70 - 295
	Weight <panel></panel>		kg	21	21
	Air Volume [Lo-Mid-H	Hi]	m³/min	20 - 23 - 26	20 - 23 - 26
	Sound Level (SPL) [L	o-Mid-Hi]	dB(A)	41 - 45 - 49	41 - 45 - 49
	Sound Level (PWL)		dB(A)	65	65
Outdoor	Dimensions	$H \times W \times D$	mm	1350 - 950	330 (+30)
Unit	Weight	•	kg	120	134
	Air Volume	Cooling	m³/min	100.0	100.0
		Heating	m³/min	100.0	100.0
	Sound Level (SPL)	Cooling	dB(A)	51	51
		Heating	dB(A)	52	52
	Sound Level (PWL)	Cooling	dB(A)	69	69
	Operating Current (r	v	А	35.0	13.0
	Breaker Size	-	A	40	16
Ext.	Diameter	Liquid / Gas	mm	9.52 / 15.88	9.52 / 15.88
Piping	Max. Length	Out-In	m	75	75
	Max. Height	Out-In	m	30	30
Guarante	ed Operating Range	Cooling*3	°C	−15 ~ +46	
[Outdoor]		Heating	℃	-15 ~ +46 -25 ~ +21	-15 ~ +40 -25 ~ +21
		produing		-ZU ~ +ZI	-ZU ~ +Z I

^{*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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO2, 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 Optional air protection guide is required where ambient temperature is lower than –5°C.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

MXZ-VAHZ SERIES

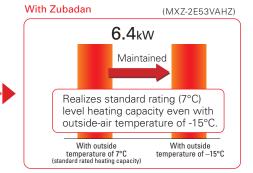
New hyper-heating MXZ allows you to create an oasis of comfort throughout your home and office in the rooms you use most, any time of the year.



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.

(MXZ-2D53VA2) **6.4**kW Our conventional model was not able to maintain standard Falls 3.0kW rated heating capacity, making it hard to provide Capacity decreased due to warming in case of low outdoor-air temperature low outside-air temperatures. With outside temperature of –15°C With outside temperature of 7°C



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.

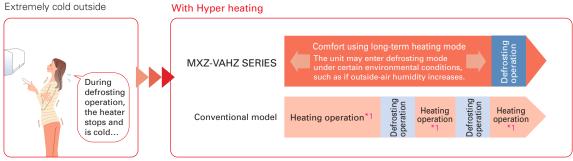
Freeze-prevention heater standard equipment

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



Continuous heating for long periods

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

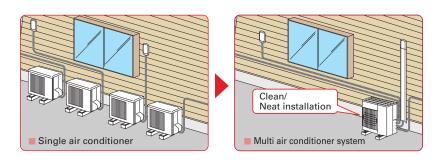


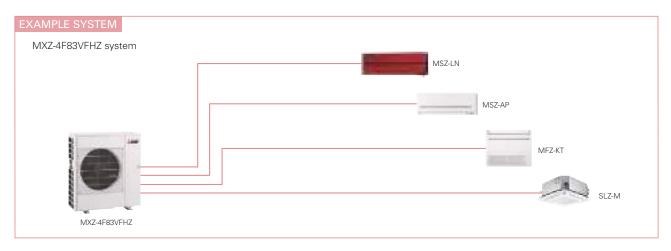
^{*1:} Conventional model performs continuous heating approximately 30min up to a maximum of 90min.

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.





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.





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

MXZ-VAHZ SERIES

















MXZ-2F53VFHZ





MXZ-4F83VFHZ





MXZ-2E53VAHZ





MXZ-4E83VAHZ

Туре					Inverter H	eat Pump	
Indoor Un	it					fer to*4 *5	<u> </u>
Outdoor L	Jnit			MXZ-2F53VFHZ	MXZ-4F83VFHZ	MXZ-2E53VAHZ	MXZ-4E83VAHZ
Refrigerar	nt			R3	2*6	R41	0A*1
Power	Source				Outdoor po	ower supply	
Supply	Outdoor (V/Phase/H	z)			220 - 230 - 240	0V / 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 Co	onsumption*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++
	Capacity	Rated (7°C)	kW	6.4	9.0	6.4	9.0
(Average		Rated (-7°C)	kW	6.4	9.0	6.4	9.0
Season)		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 Cap	pacity	kW	0.0	0.0	0.0	1.1
	Annual Electricity Co	onsumption*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+
Мах. Оре	erating Current (Indoo	r+Outdoor)	А	15.6	28.0	15.6	28.0
Outdoor	Dimensions	$H \times W \times D$	mm	796 × 950 × 330	1048 × 950 × 330	796 × 950 × 330	1048 × 950 × 330
Unit	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		А	16	30	16	30
Ext.	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
Piping	Total Piping Length ((max)	m	30	70	30	70
	Each Indoor Unit Pip	ing 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
	d Operating Range	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
[Outdoor]		Heating	°C	-25 ~ +24	-25 ~ +24	-25 ~ +24	-25 ~ +24

^{##} Retrigerant 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 CO2, over a period of 100 years. Never try to interfere with the refrigerant clicuit 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, ELE rank, SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.

MX2-2F53VFHZ MSZ-LN18VG2 + MSZ-LN3SVG2 MX2-4R53VFLZ MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2 MX2-4E3VHZ MSZ-EF18VE + MSZ-EF18

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

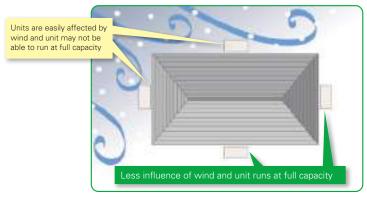
Wind and snow can significantly reduce capacity.

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



Installation Location

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



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.

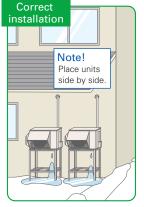






Case 2: Multiple units are installed

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





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]



- 1) Install at a position/height to prevent the unit being buried in snow *1 and the adverse effects of frozen
- 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.
 - ** Illistand a neight above the nightest shorthan argume**

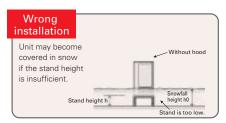
 **2 Even for correct installations, dripping drainage water may form an icicle which needs to be cleared away regularly to prevent a blocked drainage outlet.





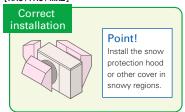
Use a stand to add sufficient height to protect the unit heat exchanger from snow and prevent icicles forming during defrost operation.

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



Install snow protection hood as necessary

[RAC/PAC/MXZ]



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

	Snowy region	Cold region	
	Countermeasures for snow	Countermeasures for freezing	Remarks
Drain socket, Centralised drain pan	Not used	Not used	Prevents freezing
Stand	Needed	Needed	IRAC / 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.	_	Prevents heat exchanger from being covered in snow. 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.

⚠ CAUTION

About disposal of drainage water

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.

NEW ECODESIGN DIRECTIVE

WHAT IS THE ErP DIRECTIVE?

The Ecodesign Directive for Energy-related Products (ErP Directive) establishes a framework to set mandatory standards for ErPs sold in the European Union (EU). The ErP directive introduces new energy-efficiency ratings across various product categories and affects how products such as computers, vacuum cleaners, boilers and even windows are classified in terms of environmental performance.

Regulations that apply to air conditioning systems of rated capacity up to 12kW came into effect as of January 1, 2013. Based the use of future-orientated technologies, Mitsubishi Electric is one step ahead of these changes, with our air conditioning systems already achieving compliance with these new regulations.

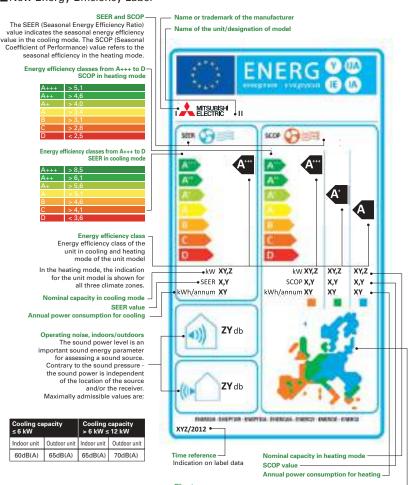
NEW ENERGY LABEL AND MEASUREMENTS

Under regulation 2011/626/EU, supplementing directive 2010/30/EU, air conditioning systems are newly classified into energy-efficiency classes on the basis of a new energy labelling system, which includes three new classes: A+, A++ and A+++.

Revisions to the measurement points and calculations of the seasonal energy efficiency ratio (SEER) and seasonal coefficient of performance (SCOP) has resulted in changes to how air conditioning systems are classified into energy-efficiency classes.

Specifically, for cooling mode, air conditioning systems must achieve at least class B. For heating mode, air conditioning systems must achieve at least a SCOP value of 3.8.

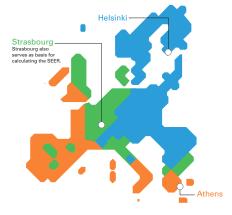
■New Energy Efficiency Label



For heating mode, the EU is divided into three climate zones for calculation and classification purposes. This aims at calculating the energy efficiency taking into consideration the actual regional ambient temperatures.

■Climate Zones for Heating Mode

Reference climate zones for calculating the SCOP
Since the climate conditions have a great influence on the operating behaviour in the heat pump mode, three climate zones have been stipulated for the EU: warm, moderate, cold. The measurement points are homogenous at 12°C, 7°C, 2°C and -7°C.



	Temperat	ure conditions			
Partial	Outdoors	Outdoors			
oad	DB	WB	DB		
-	-	-	20°C		
00%	2°C	1°C	20°C		
64%	7°C	6°C	20°C		
29%	12°C	11°C	20°C		

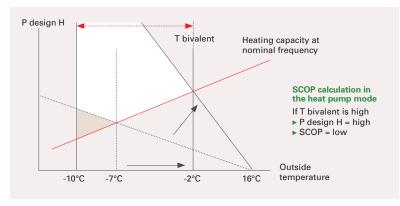
Moderate (Strasbourg) Temperature conditions						
load	DB	WB	DB			
38%	-7°C	-8°C	20°C			
54%	2°C	1°C	20°C			
35%	7°C	6°C	20°C			
15%	12°C	11°C	20°C			

Cold (Helsir	nki)		
	Tempera	ture conditions	
Partial	Outdoors		Indoors
load	DB	WB	DB
61%	-7°C	−8°C	20°C
37%	2°C	1°C	20°C
24%	7°C	6°C	20°C
11%	12°C	11°C	20°C

SEER/SCOP

Air conditioning systems were previously assessed using the energy-efficiency rating (EER), which evaluated efficiency in cooling mode, and the coefficient of performance (COP), which defined the efficiency, or the ratio of consumed and output power, in heating mode. Under this system, assessments were not truly reflective of performance as they were based on a single measurement point, which led to manufacturers optimising products accordingly in order to achieve higher efficiency ratings. SEER and SCOP address this problem by including seasonal variation in the ratings via use of realistic measurement points. For cooling mode, measurements at outside temperatures of 20, 25, 30 and 35°C are incorporated and weighted in accordance with climate data for Strasbourg, which is used as a single reference point for the whole EU. For instance, for partial-load operation, which represents more than 90% of operation, there is a correspondingly high weighting for the efficiency classification. For heating mode, a comprehensive temperature profile for the whole EU was not possible, so the EU has been divided into three climate zones, north, central and south, and load profiles created. The same measurement points, at outside temperatures of 12, 7, 2 and -7°C, are used for all three zones.

■SCOP Calculation



Technical Terms with Respect to the SCOP

P design H: Corresponds to a heating load of 100%. The value depends on the selected bivalence point.

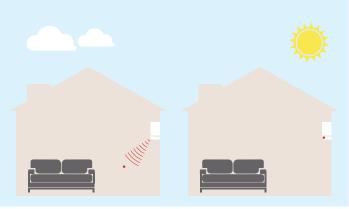
T design: Outside temperature which determines the P design H point. The latter is determined from the area conditions.

T bivalent: Corresponds to the lowest temperature at which full heating performance can be achieved with the heat pump (without additional heating). This point can be freely selected within the prescribed temperature ranges (T design - T bivalent).

SOUND PRESSURE LEVEL

Consumers will also receive more information on the noise levels emitted by split-system air conditioners to help them make their purchasing decision. Specifically, the sound power level of indoor and outdoor units is to be indicated in decibels as an objective parameter. Knowing the sound power makes it possible to calculate sound emissions while considering distance and radiation characteristics, which is beneficial because it allows the noise levels of different air conditioning systems to be compared regardless of the usage location and how the sound pressure is measured. This is an improvement on sound pressure values which are usually measured at an approximate distance of 1m where all modern split-system air conditioning systems tend to be very quiet at an average of 21 decibels.

■Sound Pressure vs Sound Power Level



Sound pressure level dB(A)

The sound pressure level is a sound field parameter which indicates the perceived operating noise of an indoor unit within a certain distance.

Sound power level dB(A)

The sound power is an acoustic parameter which describes the source strength of a sound generator and is thus independent of the distance to the receiver location.

Mitsubishi Electric inverters ensure superior performance including the optimum control of operation frequency. As a result, optimum power is applied in all heating/cooling ranges and maximum comfort is achieved while consuming minimal energy. Fast, comfortable operation and amazingly low running cost — That's the Mitsubishi Electric promise.

INVERTERS — HOW THEY WORK

Inverters electronically control the electrical voltage, current and frequency of electrical devices such as the compressor motor in an air conditioner. They receive information from sensors monitoring operating conditions, and adjust the revolution speed of the compressor, which directly regulates air conditioner output. Optimum control of operation frequency results in eliminating the consumption of excessive electricity and providing the most comfortable room environment.

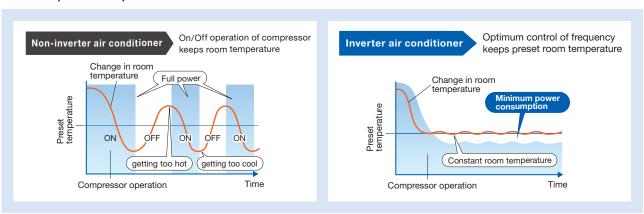
ECONOMIC OPERATION

Impressively low operating cost is a key advantage of inverter air conditioners. We've combined advanced inverter technologies with cutting-edge electronics and mechanical technologies to achieve a synergistic effect that enables improvements in heating/cooling performance efficiency. Better performance and lower energy consumption are the result.

TRUE COMFORT

Below is a simple comparison of air conditioner operation control with and without an inverter.

■ Inverter operation comparison



The compressors of air conditioners without an inverter start and stop repeatedly in order to maintain the preset room temperature. This repetitive on/off operation uses excessive electricity and compromises room comfort. The compressors of air conditioners equipped with an inverter run continuously; the inverter quickly optimizing the operating frequency according to changes in room temperature. This ensures energy-efficient operation and a more comfortable room.

Point 1 Quick & Powerful

Increasing the compressor motor speed by controlling the operation frequency ensures powerful output at start-up, brings the room temperature to the comfort zone faster than units not equipped with an inverter. Hot rooms are cooled, and cold rooms are heated faster and more efficiently.

Point 2 Room Temperature Maintained

The compressor motor operating frequency and the change of room temperature are monitored to calculate the most efficient waveform to maintain the room temperature in the comfort zone. This eliminates the large temperature swings common with non-inverter systems, and guarantees a pleasant, comfortable environment.

KEY TECHNOLOGIES

Our Rotary Compressor

Our rotary compressors use our original "Poki-Poki Motor" and "Heat Caulking Fixing Method" to realise downsizing and higher efficiency, and are designed to match various usage scenes in residential to commercial applications. Additionally, development of an innovative production method known as "Divisible Middle Plate" realises further size/weight reductions and increased capacity while also answering energy-efficiency needs.

Our Scroll Compressor

Our scroll compressors are equipped with an advanced frame compliance mechanism that allows self-adjustment of the position of the orbiting scroll according to pressure load and the accuracy of the fixed scroll position. This minimises gas leakage in the scroll compression chamber, maintains cooling capacity and reduces power loss.

MORE ADVANTAGES WITH MITSUBISHI ELECTRIC



Joint Lap DC Motor

Mitsubishi Electric has developed a unique motor, called the "Poki-Poki Motor" in Japan, which is manufactured using a joint lapping technique. This innovative motor operates based on a highdensity, high-magnetic force, leading to extremely high efficiency and reliability.







Magnetic Flux Vector Sine Wave Drive

This drive device is actually a microprocessor that converts the compressor motor's electrical current waveform from a conventional waveform to a sine wave (180°conductance) to achieve higher efficiency by raising the motor winding utilisation ratio and reducing energy loss.



Reluctance DC Rotary Compressor

Powerful neodymium magnets are used in the rotor of the reluctance DC motor. More efficient operation is realised by strong magnetic and reluctance torques produced by the magnets.

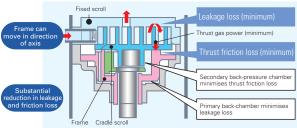




Highly Efficient DC Scroll Compressor

Higher efficiency has been achieved by adding a frame compliance mechanism to the DC scroll compressor. The mechanism allows movement in the axial direction of the frame supporting the cradle scroll, thereby greatly reducing leakage and friction loss, and ensuring extremely high efficiency at all speeds.







Heat Caulking Fixing Method

To fix internal parts in place, a "Heat Caulking Fixing Method" is used, replacing the former arc spot welding method. Distortion of internal parts is reduced, realising higher efficiency.





DC Fan Motor

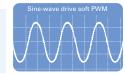
A highly efficient DC motor drives the fan of the outdoor unit. Efficiency is much higher than an equivalent AC motor.

WW Vector-Wave Eco Inverter

This inverter monitors the varying compressor motor frequency and creates the most efficient waveform for the motor speed. As the result, operating efficiency in all speed ranges is improved, less power is used and annual electricity cost is reduced.

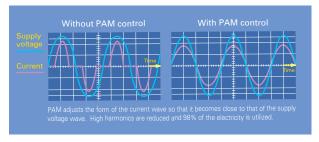
Smooth wave pattern

Inverter size has been reduced using insertmolding, where the circuit pattern is molded into the synthetic resin. To ensure quiet operation, soft PWM control is used to prevent the metallic whine associated with conventional inverters.



PAM PAM (Pulse Amplitude Modulation)

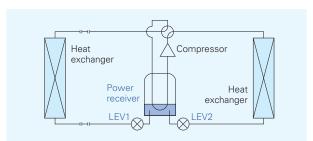
PAM is a technology that controls the current waveform so that it resembles the supply voltage wave, thereby reducing loss and realising more efficient use of electricity. Using PAM control, 98% of the input power supply is used effectively.





Power Receiver and Twin LEV Control

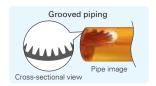
Mitsubishi Electric has developed a power receiver and twin linear expansion valves (LEVs) circuit that optimise compressor performance. This technology ensures optimum control in response to operating waveform and outdoor temperature. Operating efficiency has been enhanced by tailoring the system to the characteristics of R410A refrigerant.





Grooved Piping

High-performance grooved piping is used in heat exchangers to increase the heat exchange area.

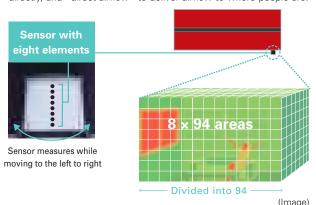


COMFORT

3D i-see Sensor

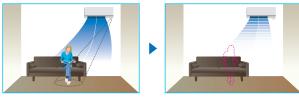
3D i̇̃-see Sensor for M SERIES

The LN Series and FH Series are equipped with the 3D i-see Sensor, an infrared-ray sensor that measures the temperature at distant positions. While moving to the left and right, eight vertically arranged sensor elements analyze the room temperature in three dimensions. This detailed analysis makes it possible to judge where people are in the room, thus allowing creation of features such as "Indirect airflow," to avoid airflow hitting people directly, and "direct airflow" to deliver airflow to where people are.



No occupancy energy-saving mode

The sensors detect whether there are people in the room. When no-one is in the room, the unit automatically switches to energy-saving mode.



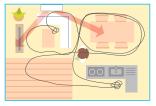
The "3D i-see Sensor" detects people's absence and the power consumption is automatically reduced approximately 10% after 10 minutes and 20% after 60 minutes.

Indirect Airflow

The indirect airflow setting can be used when the flow of air feels too strong or direct. For example, it can be used during cooling vaert airflow and prevent body temperature from becoming excessively cooled.



Even Airflow *LN Series only Normal swing mode



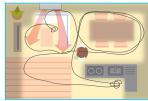
The airflow is distributed equally throughout the room, even to spaces where there is no human movement

Direct Airflow

This setting can be used to directly target airflow at people such as for immediate comfort when coming indoors on a hot (cold) day.



Even airflow mode



The 3D i-see sensor memorizes human movement and furniture positions, and efficiently distributes airflow.

No occupany Auto-OFF mode *LN Series only

The sensors detect whether or not there are people in the room. When there is no one in the room, the unit turns off automatically.





3D F-see Sensor for S & P SERIES

Detects number of people

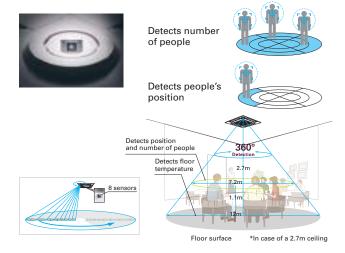
The 3D i-see Sensor detects the number of people in the room and adjusts the power accordingly. This makes automatic power-saving operation possible in places where the number of people changes frequently. Additionally, when the area is continuously unoccupied, the system switches to a more enhanced power-saving mode. Depending on the setting, it can also stop the operation.

Detects people's position

Once a person is detected, the angle of the vane is automatically adjusted. Each vane can be independently set to "Direct Airflow" or "Indirect Airflow" according to taste.

Highly accurate people detection

A total of eight sensors rotate a full 360° in 3-minute intervals. In addition to detecting human body temperature, our original algorithm also detects people's positions and the number of people.



Detects number of people

Room occupancy energy-saving mode

The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time in order to save airconditioning power. When the occupancy rate is approximately 30%, air-conditioning power equivalent to 1°C during both cooling and heating operation is saved. The temperature is controlled according to the number of people.

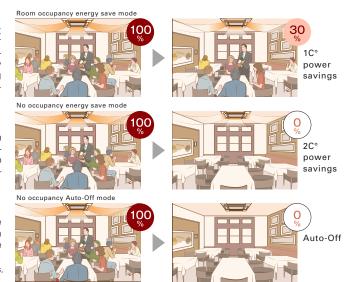
No occupancy energy-saving mode

When 3D i-see Sensor detects that no one is the room, the system is switched to a pre-set power-saving mode. If the room remains unoccupied for more than 60min, air-conditioning power equivalent to 2°C during both cooling and heating operation is saved. This contributes to preventing waste in terms of heating and cooling.

No occupancy Auto-OFF mode*

When the room remains unoccupied for a pre-set period of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10min, ranging from 60 to 180 min.

* When MA Remote Controller is used to control multiple refrigerant systems, "No occupancy Auto-OFF mode" cannot be used.



*PAR-40MAA is required for each setting

Detects people's position

Direct/Indirect settings*

The horizontal airflow spreads across the ceiling. When set to "Indirect Airflow" uncomfortable drafty-feeling is eliminated completely!



*PAR-40MAA or PAR-SL100A-E is required for each setting.

Seasonal airflow*

When cooling

Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When a pre-set temperature is reached, the air conditioning unit switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

When heating

The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.



*PAR-40MAA is required for each setting

🔼 Area Temperature Monitor

The "3D i-see Sensor" monitors the whole room in sections and directs the airflow to areas of the room where the temperature does not match the temperature setting. (When cooling the room, if the middle of the room is detected to be hotter, more airflow is directed towards it.) This eliminates unnecessary heating /cooling and contributes to lower electricity costs.

- Cooling mode



COMFORT

ENERGY-SAVING



Econo Cool Energy-Saving Feature

"Econo Cool" is an intelligent temperature control feature that adjusts the amount of air directed towards the body based on the air-outlet temperature. The setting temperature can be raised by as much as 2°C without any loss in comfort, thereby realising a 20% gain in energy efficiency. (Function only available during manual cooling operation.)

	Conventional	Econo Cool
Ambient temperature	35°C	35°C
Set temperature	25°C	27°C
Perceived temperature	30°C	29.3°C

Econo Cool Mode

A comfortable room environment is maintained even when setting the temperature 2°C higher than the conventional cooling mode.

Econo Cool on



Conventional cooling mode



Demand Function (Onsite Adjustment)

The demand function can be activated when the unit is equipped with a commercially available timer or an On/Off switch is added to the CNDM connector (option) on the control board of the outdoor unit. Energy consumption can be reduced up to 100% of the normal consumption according to the signal input from outside.

[Example: Power Inverter Series]

Limit energy consumption by changing the settings of SW7-1, SW2 and SW3 on the control board of the outdoor unit. The following settings are possible.

SW7-1	SW2	SW3	Energy consumption	
	OFF	OFF	100%	
011	ON	OFF	75%	
ON	ON	ON	50%	
	OFF	ON	0% (Stop)	

≯PUHZ outdoor only



AIR QUALITY



Plasma Quad Plus

Plasma Quad Plus is a plasma-based filter system similar to Plasma Quad, but in addition to bacteria, viruses, allergens, and dust, it can also filter out microparticles such as PM2.5.



Plasma Quad

Plasma Quad attacks bacteria and viruses from inside the unit using a strong curtain-like electrical field and discharge of electric current across the whole inlet-air opening of the unit.



Dual Barrier Coating

A two-barrier coating which prevents hydrophobic and hydrophillic dirt from sticking to the inner surface and inner parts of the indoor unit



Fresh-air Intake

Indoor air quality is enhanced by the direct intake of fresh exterior air.



High-efficiency Filter

This high-performance filter has a much finer mesh compared to standard filters, and is capable of capturing minute particulates floating in the air that were not previously caught.



Air Purifying Filter

The filter has a large capture area and also generates antibacterial, antifungal, and deodorant effects.



Oil Mist Filter

The oil mist filter prevents oil mist from penetrating into the inner part of the air conditioner.



Long-life Filter

A special process for the entrapment surface improves the filtering effect, making the maintenance cycle longer than that of units equipped with conventional filters.



Filter Check Signal

Air conditioner operating time is monitored, and the user is notified when filter maintenance is necessary.



Silver-ionized Air Purifier Filter

Silver-ionized Air Purifier Filter made of non-woven fabric can capture tiny particles. Silver ions and enzymes contained in the filter effectively act on bacteria and allergens and neutralises them.

AIR DISTRIBUTION

Double Vane

Double vane separates the airflow in the different directions to deliver airflow not only across a wide area of the room, but also simultaneously to two people in different locations.

Horizontal Vane

The air outlet vane swings up and down so that the airflow is spread evenly throughout the room.

🧠 Vertical Vane

The air outlet fin swings from side to side so that the airflow reaches every part of the room.

📖 High Ceiling Mode

In the case of rooms with high ceilings, the outlet-air volume can be increased to ensure that air is circulated all the way to the floor.

Low Ceiling Mode

If the room has a low ceiling, the airflow volume can be reduced for less draft.

₩Auto Fan Speed Mode

The airflow speed mode adjusts the fan speed of the indoor unit automatically according to the present room conditions.

Circulator Mode

After reaching the target temperature, heating mode will automatically switch to circulator mode, which makes the unit go into "fan-only" state and mixes warm air to eliminate uneven temperature in the room.

CONVENIENCE

CONVENIENCE



"i save" Mode

"i save" is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller. Press the same button twice in repetition to immediately return to the previous temperature setting.

Using this function contributes to comfortable waste-free operation, realising the most suitable air conditioning settings and saving on power consumption when, for example, leaving the room or going to bed.







* Temperature can be preset to 10°C when heating in the "i-save" mode

Çi⋛Ö ACO

Auto Changeover

The air conditioner automatically switches between heating and cooling modes to maintain the desired temperature.



Low-temperature Cooling

Intelligent fan speed control in the outdoor unit ensures optimum performance even when the outside temperature is low.



Ampere Limit Adjustment

Dip switch settings can be used to adjust the maximum electrical current for operation. This function is highly recommended for managing energy costs.

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



🗖 Operation Lock (Indoor unit)

To accommodate specific-use applications, cooling or heating operation can be specified using the wireless remote controller. A convenient option when a system needs to be configured for exclusive cooling or heating service.



Operation Lock (Outdoor unit)

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.



Auto Restart

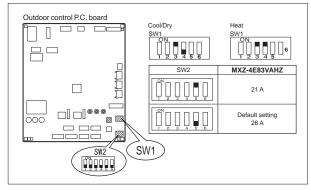
Especially useful at the time of power outages, the unit turns back on automatically when power is restored.

[28] 10°C

10°C Heating

During heating operation, the temperature can be set in 1°C increments down to 10° C.

■ Dip Switch Setting (Board for MXZ-5E102)



Night Mode

When Night Mode is activated using the wireless remote controller, it will switch to the settings described below.

- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will drop to 3dB lower than the rated specification operating noise.
- *The cooling/heating capacity may drop.

Low-noise Operation (Outdoor Unit)

System operation can be adjusted to prioritise less noise from the outdoor unit over air conditioning performance.



On/Off Operation Timer

Use the remote controller to set the times of turning the air conditioner On/Off.

Built-in Weekly Timer Function

Easily set desired temperatures and operation ON/OFF times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

■ Example Operation Pattern (Winter/Heating mode)

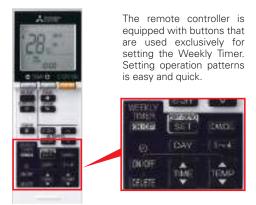
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	
5.00	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	
6:00		•	Automatically change	es to high-power opera	tion at wake-up time			
8:00								
10:00	OFF	OFF	OFF	OFF	OFF	ON 18°C	ON 18°C	
14:00 14:00		Automatically turned off during work hours					Midday is warmer, so the temperature is set lower	
15:00								
18:00	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	
22:00 20:00	Automatically turns on, synchronized with arrival at home					Automatically raises ten match time when outsid	nperature setting to de-air temperature is low	
ing sleeping hours)	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	
		Automa	atically lowers tempera	ture at bedtime for en	ergy-saving operation a	t night		

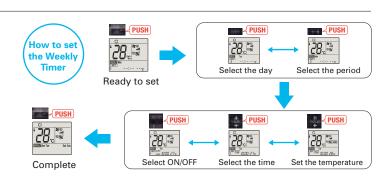
Settings

Pattern Settings: Input up to four settings for each day

Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

■ Easy set-up using dedicated buttons





- Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired patterns into the remote controller memory. Pushing the "CANCEL" button will end the set-up process without sending the operation patterns to the indoor unit).

 • It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit.
- Please continue to point the remote controller at the indoor unit until all data has been sent.

Back Light Remote Controller

Not only the indoor units, but the wireless remote controllers come in four colours as well. Each remote controller matches the indoor unit. Even the textures are the same.



The setting can be easily checked in the dark.

INSTALLATION & MAINTENANCE

INSTALLATION



Cleaning-free Pipe Reuse

It is possible to reuse the same piping. It allows cleaning-free renewal of air conditioning systems that use R22 or R410 refrigerant.

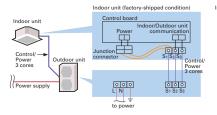
Wiring Reuse of Existing Wiring

Wiring recycling problem solved! Compatible with other wiring connection methods*

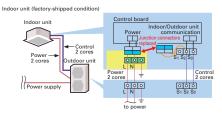
The wiring method has been improved, making it possible to use methods different from that utilized for control and power supply. Units are compatible with the dual harness control line/power line method and the separate power supply method. Using a power supply terminal kit, wire can be efficiently reused at the time of system renewal regardless of the method the existing system uses.

* Optional. Usage may be limited due to wiring type diameter.

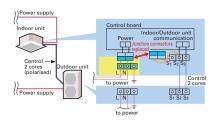
Single Harness Control/Power Line Method (Current method)



Dual Harness Control Line/Power Line Method



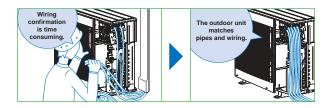
Separate Power Supply Method



Wiring/Piping Correction Function*

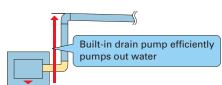
The push of a single button is all that is required to confirm that piping and wiring are properly connected. Corrections are made automatically if a wiring error is detected, eliminating the need for complicated wiring confirmation work when expanding the number of rooms served

* This function cannot be used when the outdoor temperature is below 0°C. The correction process requires 10-20 minutes, and only works when the unit is set to the Cooling mode.



Drain Pump

A built-in drain pump enables drain piping to be raised.



Flare Connection

Flare connection to cooling pipe work is possible.

Pump Down Switch

Enables smooth and easy recovery of refrigerant. Simply press the "Pump Down" switch before moving or changing the unit.

Outdoor unit control circuit board



Pump Down Switch



stop refrigerant recovery operation automatically. (Valve in refrigerant circuit is opened/closed.)

MAINTENANCE



Self-Diagnostic Function (Check Code Display)

Check codes are displayed on the remote controller or the operation indicator to inform the user of malfunctions detected.

Failure Recall Function

Operation failures are recorded, allowing confirmation when needed.

SYSTEM CONTROL

SYSTEM CONTROL



PAR-40MAA/PAC-YT52CRA/PAC-CT01MAA

Units are compatible for use with the PAR-40MAA, PAC-YT52CRA or PAC-CT01MAA remote controller, which has a variety of management



System Group Control

The same remote controller is capable of controlling the operational status of up to 16 refrigerant systems.



M-NET Connection

Units can be connected to MELANS system controllers (M-NET controllers) such as the AG-150A.



COMPO (Simultaneous Multi-unit Operation)

Multiple indoor units can be connected to a single outdoor unit. (Depending on the unit combination, connection of up to four units is possible; however, all indoor units must operate at the same settings.)



MXZ Connection

Connection to the MXZ multi-split outdoor unit is possible.



MELCloud (Wi-Fi interface)

MELCloud for fast, easy remote control and monitoring

MELCloud is a Cloud-based solution for controlling air-conditioner either locally or remotely by computer, tablet or smartphone via the Internet. Setting up and remotely operating via MELCloud is simple and straight forward. All you need is wireless computer connectivity in your home or the building where the air-conditioner is installed and an Internet connection on your mobile or fixed terminal. To set up the system, the router and the Wi-Fi interface must be paired, and this is done simply and quickly using the WPS button found on all mainstream routers.

You can control and check air-conditioner via MELCloud from virtually anywhere an Internet connection is available.

That means, thanks to MELCloud, you can use much more easily and conveniently.

Key control and monitoring features

- 1 Turn system on/off
- See status of operating & adjust set point
- 6 Live weather feed from your location Schedule timer - Set 7 day weekly schedule Error status
- Energy Consumption Monitoring











MELCloud uses the MAC-567IF-E interface

Connecting the Wi-Fi interface

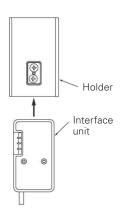
The new Wi-Fi interface MAC-567IF-E can be mounted on the wall or on the outer side of the indoor unit. For LN Series, there is a built-in Wi-Fi interface inside the indoor unit.

When mounting on the wall

The interface can be mounted simply by affixing the holder to the wall on either side of the unit and inserting the interface unit into the holder.

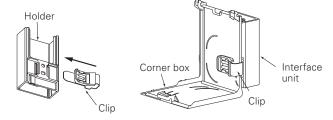






When mounting on the outer side of the unit

The interface can be mounted on the right side, left side, bottom right, or bottom left of the indoor unit. After inserting the clip into the holder, slip the clip over the edge of the corner box.









Bottom right



Left side



Bottom left

CONTROL TECHNOLOGIES

User-friendly Deluxe Remote Controller with Excellent Operability and Visibility



PAR-40MAA

Easy To Read & Easy To Use

Inverted display screen

The screen background color can be set to black to suit the atmosphere of the installation location.



Full Dot Liquid-crystal Display Adopted

Easier to read thanks to use of a full dot liquid-crystal display with backlight, and easier to use owing to adopting a menu format that has reduced the number of operating buttons.

Display Example [Operation Mode]

Full Dot LCD



Multi-language Display



Control panel operation in fourteen different languages

Choose the desired language, among the following languages.

English	nglish Spanish Italian		Turkish
French	Greek	Portuguese	Swedish
German	Russian	Polish	Czech
Hangarian	Dutch		

Temperature Control

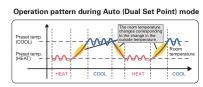


Two preset temperatures

When the operation mode is set to the Auto (Dual Set Point) mode, two preset temperatures (one each for cooling and heating) can be set. Depending on the room temperature, indoor unit will

automatically operate in either the COOL or HEAT mode and keep the room temperature within the preset range.





^{*}Please refer to the function list on pages 193-200 for the combination of

Energy-efficient Control

Operation Control Functions



Precise control of power consumption

The amount of power consumed in each time period is managed so that the demand value is not exceeded. The demand control function can be set to start and finish in 5-minute units.

Additionally, the level can be adjusted to 0, 50, 60, 70, 80 or 90% of maximum capacity, and up to 4 patterns can be set per day. Airconditioning operation is automatically controlled to ensure that electricity in excess of the contracted volume is not consumed.

■Setting pattern example

Start time	Finish time		tart time Finish time		Capacity savings
8:15	\rightarrow	12:00	80%		
12:00	\rightarrow	13:00	50%		
13:00	\rightarrow	17:00	90%		
17:00	\rightarrow	21:00	50%		

Auto-return

Prevents wasteful operation by automatically returning to the preset temperature after specified operating time

After adjusting the temperature for initial heating in winter or cooling on a hot summer day, it is easy to forget to return the temperature setting to its original value. The Auto-return function automatically resets the temperature back to the original setting after a specified period of time, thereby preventing overheating/overcooling. The Auto-return activation time can be set in 10-minute units, in a range between 30 and 120 minutes.

*Auto-return cannot be used when Temperature Range Restrictions is in use.

Auto-off Timer

Turns heating/cooling off automatically after preset time elapses

When using Auto-off Timer, even if one forgets to turn off the unit, operation stops automatically after the preset time elapses, thereby preventing wasteful operation. Auto-off Timer can be set in 10-minute units, in a range between 30 minutes and 4 hours. Eliminates all anxiety about forgetting to turn off the unit.

Recommended for Meeting room Changing room

Night Setback

Keep desired room temperatures automatically

This function monitors the room temperature and automatically activates the heating mode when the temperature drops below the preset minimal temperature setting. It has the same function for cooling, automatically activating the cooling mode when the temperature rises above the preset maximum temperature setting.

Operation Lock

Fixed temperature setting promotes energy savings

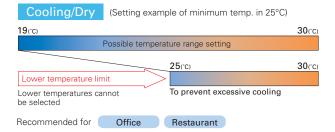
In addition to operation start/stop, the operation mode, temperature setting and airflow direction can be locked. Unwanted adjustment of temperature settings is prevented and an appropriate temperature is constantly maintained, leading to energy savings. This feature is also useful in preventing erroneous operation or tampering.

Recommended for Office School Public hall
Hospital Computer server facility

Temperature Range Restriction

Temperature Range Restriction prevents overheating/overcooling

Using a temperature that is 1°C lower/higher for heating/cooling results in a 10% reduction in power consumption.* Temperature Range Restriction limits the maximum and minimum temperature settings, contributing to the prevention of overheating/overcooling. *In-house calculations



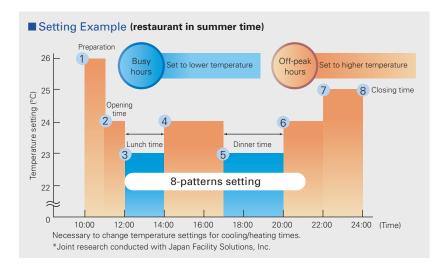
Weekly Timer

Weekly Timer with Two Types of Settings

Weekly schedule timer can save two different settings which can be easily switched according to different seasons.

In addition, it offers eight different pattern setting per day. (on, off and temperature setting)

*Weekly Timer cannot be used when On/Off Timer is in use



CONTROL TECHNOLOGIES

Installation/Maintenance Support Functions



Outdoor unit data accessed immediately, enabling fast maintenance (only PUZ/PUHZ type)

Using the Stable Operation Control (fixed frequency) of the Smooth Maintenance function, the operating status of the inverter can be checked easily via the screen on the remote controller.

■ Smooth Maintenance Function Operating Procedure



Display information (11 items)

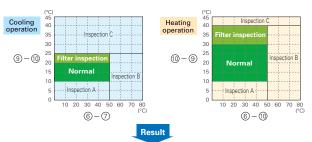
	Compressor		OU TH4 temp. (°C)	
1	COMP. current (A)	7	OU TH6 temp. (°C)	
2	COMP. run time (Hr)	8	OU TH7 temp. (°C)	
3	COMP. ON/OFF (times)	Indoor Unit		
4	COMP. frequency (Hz)	9	IU air temp. (°C)	
	Outdoor Unit		IU HEX temp. (°C)	
⑤	Sub cool (°C)	11	IU filter operating time* (Hr)	

^{*}IU filter operating time is the time elapsed since filter was reset.

Inspection Guidelines

The computed temperature difference is plotted as in the graph below and operating status is determined.

		ltem
Cooling		(⑥ OU TH4 temp.) – (⑦ OU TH6 temp.)
Cooling	Cooling	(⑨ IU air temp.) – (⑩ IU HEX temp.)
Heading.	Temp. difference	(⑥ OU TH4 temp.) – (⑩ IU HEX temp.)
Heating		(1) IU HEX temp.) – (9) IU air temp.)



Normal Normal operating status.		
Filter inspection	Filter may be blocked.*1	
Inspection A	Capacity is reduced. Detailed inspection is necessary.	
Inspection B	Refrigerant level is low.	
Inspection C	Filter or indoor unit heat exchanger is blocked.	

- \$1: Due to indoor and outdoor temperatures, "Filter inspection" may be displayed even if the filter is
- *1: Due to indoor and outdoor temperatures, "Filter inspection" may be displayed even if the filter is not blocked.
 * The above graphs are based on trial data. Results may vary depending on installation/temperature conditions.
 * Stable operation may not be possible under the following temperature conditions:
 a) In cooling mode when the outdoor induction temperature is over 40°C or the indoor induction temperature is below 23°C.
 b) In heating mode when the outdoor induction temperature is over 20°C or when the indoor induction temperature is over 25°C.
 If the above temperature conditions do not apply and stable operation is not achieved after 30 minutes has passed, please inspect the units.
 The operating status may change due to frost on the outdoor heat exchanger.

Manual Vane Angle Setting (4-way ceiling cassette)

Direction of vertical airflow for each vane can be set

Setting the vertical airflow direction for each individual vane can be performed simply via illustrated display. Seasonal settings such as switching between cooling and heating are easily changed as well.

Autodescending **Panel** Operation

Easily raise/lower panels using the remote controller

Auto-descending panel operation is available as an option. Panels can be raise/lower using a button on the wired remote controller. Filter cleaning can be performed easily.



Three outdoor noise level setting

The outdoor noise level can be reduced on demand according to the surrounding environment. Select from three setting mode: standard mode (rated), silent mode and ultra-silent mode.

Initial Password Setting

Password for initial settings

A password is required (default setting is "0000") for initial settings such as time and display language.

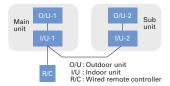
Rotation*, Back-up* and 2nd Stage Cut-in Functions* (PAR-40MAA)

(1) Rotation and Back-up Functions Function Outline

Main and sub units take turns operating according to a rotation interval setting.

- If one unit malfunctions, the other unit automatically begins operation (Back-up function)
- *PUZ/PUHZ only

System Image



(2) 2nd Stage Cut-in Function

Function Outline

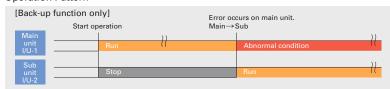
- Number of units operating is based on room temperature and predetermined settings.
- When room temperature rises above the desired setting, the standby unit starts (2-unit operation).
- When the room temperature falls 4°C below the predetermined setting, the standby unit stops (1unit operation).

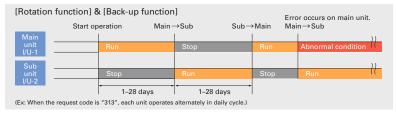
System Constraint

• This function is only available for rotation operation and when the back-up function is in cooling mode.

*PUZ/PUHZ only

Operation Pattern





Operation Pattern



Simple MA Remote Controller PAC-YT52CRA

Backlit LCD

Features a liquid-crystal display (LCD) with backlight for operation in dark conditions.

Flat Back

The slim and flat-back shape makes installation easier without requiring a hole in the wall. Thickness is 14.5mm or less.

Vane Angle Setting

The vane button has been added to allow users to change the airflow direction (ceiling-cassette and wall-mounted units).

Pressing the 📆 button will switch the vane direction.



Flat back (4-23/32 in 120mm (4-23/32 in 14-5mm (9/16 in)

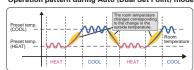
Aren

Dual Set Point

Two preset temperatures

When the operation mode is set to the Auto (Dual Set Point) mode, two preset temperatures (one each for cooling and heating) can be set. Depending on the room temperature, indoor unit will automatically operate in either the COOL or HEAT mode and keep the room temperature within the preset range.

Operation pattern during Auto (Dual Set Point) mode



- *Please refer to the function list on pages 193-200 for the combination of the available units.
- * The settable vane directions vary depending on the indoor unit model to be connected.
- * If the unit has no vane function, the vane direction cannot be set. In this case, the vane icon flashes when the 📆 button is pressed.

CONTROL TECHNOLOGIES

MA Touch Remote Controller
PAR-CT01MAA-SB
PAR-CT01MAA-PB





PAC-CT01MAA-SB

PAR-CT01MAA-PB

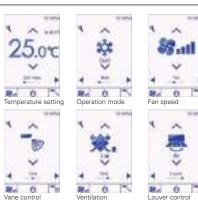
User-friendly Visible big size icons on the full color touch panel display.

Full color touch panel display





Operation panels



Flexibility Customized display, color on parameter and background, editable parameter, logo image on the initial display.

Multiple color pattern

180 color patterns can be selected for control parameters or background on the display.

Control parameter customize

Users can customize the panel todisplay the selected parameters only.

Control parameter customize

Simple operation panel is liked by users, especially in hotels. It is available to display only ON/OFF, set temp., fan speed.



Logo image customization

Logo image can be displayed on the initial screen.



Available in a wide variety of colors to suit the decor of any room.





Expandability Smartphone / tablet App is available for setting, customize, and control.

Bluetooth® low energy technology

Remote controller can communicate with smartphone or tablet device via Bluetooth Low Energy (BLE). Operation & Setting App are available on the App store.



- *The Bluetooth® word mark is trademark of Bluetooth SIG, Inc., USA.
- *Contact the sales company for information on "Bluetooth" function.





Convenient BLE transmission functions for installation contractors

Initial setup for the remote controller can be easily performed using BLE transmission via a smartphone.

Previous model

Previously, initial setup (selecting function parameters) was onlyavailable via the remote controller installed each room.

New model

The initial setup (selecting function parameters) can now be performed in advance on a smartphone, with the settings transmitted to the remote controller by enabling BLE transmission upon entry to the room.





Convenient BLE transmission functions for guests

The remote controller has been further upgraded with hotels in mind, to allow smartphone connectivity and multilingual support.

Smartphone connectivity

For example, hotel guests can operate the air conditioner via their smartphones, without getting out of bed.

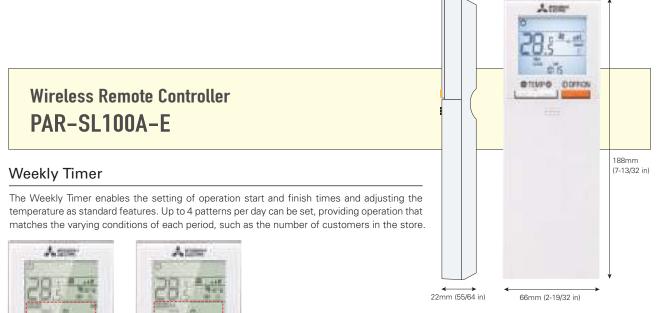


Multilingual support

The smartphone app can be displayed in the language that the guest's smartphone is set to.



CONTROL TECHNOLOGIES



■ Example Operation Pattern (Winter/Heating mode)

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
C-00	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
600			Automatically change	s to high-power opera	tion at wake-up time		
800							
1000	OFF	OFF	OFF	OFF	OFF	ON 18°C	ON 18°C
12:00 14:00	Automatically turned off during work hours					Midday is warmer, so the temperatur	e is set lower
16:00							
1800	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
22:00 20:00	Automatically turns on, synchronized with arrival at home					Automatically raises ten match time when outsid	nperature setting to de-air temperature is low
(during	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C
sleeping hours)		Automa	tically lowers tempera	ture at bedtime for ene	ergy-saving operation a	t night	

- *Weekly Timer cannot be used when On/Off Timer is in use.
- *Only for SLZ-KF25/35/50/60VA2, PLA-ZP/RP35/50/60/71/100/125/140EA

Backlight

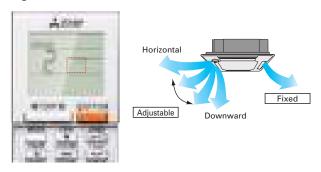
Backlight function incorporated, making screen easy to read in the dark. Even in dimly lit rooms, the screen can be seen clearly for trouble-free remote controller operation.





Individual Vane Settings

The airflow directions of the four vanes can each be adjusted independently. Easily set the optimum airflow according to the room setting.



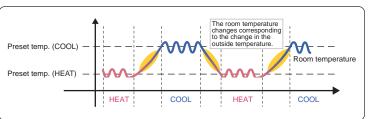
Dual Set Point

When the operation mode is set to the Auto (Dual Set Point) mode, two preset temperatures (one each for cooling and heating) can be set. Depending on the room temperature, the indoor unit will automatically operate in either the COOL or HEAT mode and keep the room temperature within the preset range.





Operation pattern during Auto (Dual Set Point) mode



^{*} Only available for compatible models.

Battery Replacement Sign



Previous wireless remote controllers were not easy to read, understand or use sometimes because the battery was low. Beginning with the PAR-SL100A-E, a battery charge indicator that shows the charge status is included in the LCD so it can be seen when the battery is low and needs to be changed.

3D i-see Sensor (Direct/Indirect Airflow)

Pressing the i-see button enables direct or indirect setting of all vanes.





	Vane setting				
	Direct Indirect				
Cooling	horizontal → swing	keep horizontal			
Heating	keep downward	downward → horizontal			





*Only available for models equipped with 3D i-see Sensor.

Basic Functions

Functions	Button	Liquid crystal
OFF / ON	① OFF/ON	
Preset temperature	● TEMP ●	88 .š
Mode	MODE	Cool Dry Heat Fan Auto Dual set point *Dual Set Point function not operational first use.
Fan speed	FAN	4-Speed Auto
Vane angle	VANE 🔪	5-step Swing Auto
3D i-see Sensor	i-see	Direct Indirect
Send sign		*
Battery replacement sign		
Function setting		FUNCTION
Test run		TEST
Self check		(CHECK)
Not available		N/A

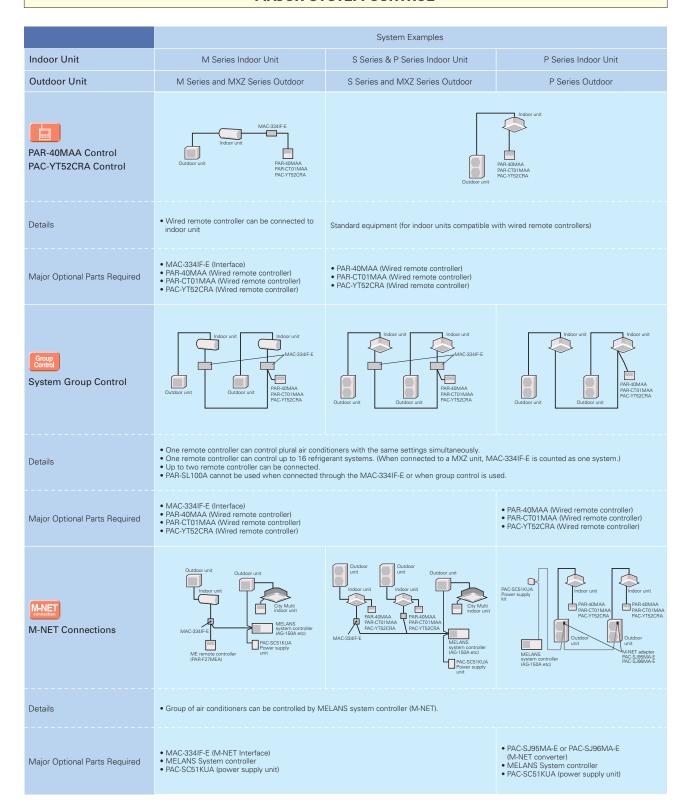
^{*}This remote controller is only compatible with the following models: SLZ-M15/25/35/50/60FA, PLFY-P15/20/25/32/40/50VFM-E1, PLA-ZM/RP35/50/60/71/100/125/140EA, PLFY-P20/25/32/40/50/63/80/100/125VEM-E

^{*}Functions available vary according to the model.

SYSTEM CONTROL

Versatile system controls can be realised using optional parts, relay circuits, control panels, etc.

MAJOR SYSTEM CONTROL

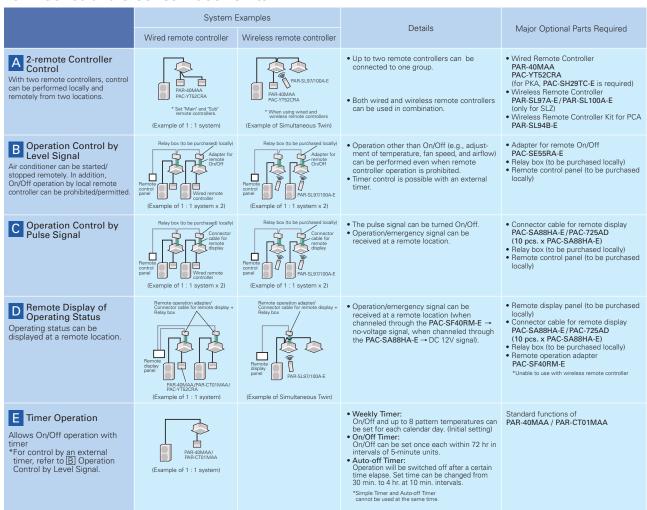


OTHERS

For M Series Indoor Units (New A-control Models Only)

	System Examples	Connection Details	Control Details	Major Optional Parts Required
Remote On/Off Operation • Air conditioner can be started/ stopped remotely, (and can be used in combination)	MAC-334IF-E Switch Switch Outdoor unit Remote control section (to be purchased locally)	Connect the interface to the air conditioner. Then connect the locally purchased remote controller to the terminal in the interface.	On/Off operation is possible from a remote location.	MAC-334IF-E (Interface) Parts for circuit such as relay box, lead wire, etc. (to be purchased locally)
2 Remote Display of Operation Status • The On/Off status of air conditioners can be confirmed remotely. (1 and 2 can be used in combination)	NAC334IF-E Power supply Indoor unit Resistance LED Outdoor unit (to be purchased locally)	Connect the interface to the air conditioner. Then connect the locally purchased remote controller to the terminal in the interface.	The operation status (On/Off) or error signals can be monitored from a remote location.	MAC-334IF-E (Interface) Parts for circuit to be purchased locally (DC power source needed) External power source (12V DC) is required when using MAC-334IF-E.

For P Series and S Series Indoor Units



FUNCTION LIST (1)

Category	Icon						M SERIES				
	dotto	IIalloll	Indoor unit	MSZ-LN18/25/35/ 50/60VG2 (W)(V)(R)(B)	MSZ-FT25/35/50VG	MSZ-AP15/20VG	MSZ-AP25/35/42/ 50/60/71VG	MSZ-EF18/22/25/35/ 42/50VG(W)(B)(S)	MSZ-BT20/25/35/50VG	MSZ-HR25/35/ 42/50/60/71VF	
	Combination		Outdoor unit	MUZ-LN	MUZ-FT	MU	Z-AP	MUZ-EF	MUZ-BT	MUZ-HR	
chnology	DC Inverter	_		•	•	•	•	•	•	•	т
	Joint Lap DC Mote	or		•	•	•	•	•	•	•	\vdash
	Reluctance DC Rota	ary	Compressor		-		_	_	_		T
	Heating Caulking			•	•	•	•	•	•	•	\vdash
	DC Fan Motor			•	•	•	•	•	•		T
	PAM (Pulse Ampli	ituc	de Modulation)	•	•	•	•	•	•	•	
	Power Receiver and				_						\top
	Grooved Piping			•	•	•	•	•	•	•	\vdash
i-see Sensor		Cont	trol (3D i-see Sensor)	•							т
	AREA Temperatur			•							
Energy	Econo Cool Energ			•	•	•	•	•	•	•	╆
Saving	Standby Power C			•	•	•	•	•	•		+
Air Quality	Plasma Quad Plu			•							╁
	Plasma Quad	_		_							+
	Dual Barrier Coati	ina	1	•							+
	Silver-ionized Air F	_		Opt	•		Ont	•	Opt	Opt	+
	Air Purifying Filter		mer i mer	Орг	•		Opt	•	Орг	Орг	╀
Air	Double Vane	_			•		•				╁
Distribution		_		•							╀
	Horizontal Vane			•	•	•	•	•	•	•	╄
	Vertical Vane	_		•	•	•	•				╀
	High Ceiling Mode					_			_	_	\perp
	Auto Fan Speed M	Mod	de	•	•	•	•	•	•	•	╄
0	Circulator Mode			•	•						╀
Convenience	On/off Operation	Tim	ner	•	•	•	•	•	•	•	1
	"i save" Mode			•	•	•	•	•	•	•	╀
	Auto Changeover	_		•	•	•	•	•	•	●*1	╀
	Auto Restart			•	•	•	•	•	•	•	╀
	Low-temperature	Co	ooling	•	•	•	•	•	•	•	Ļ
	10°C Heating			•	•	•	•		•	•	╀
	Low-noise Operat	tion	(Outdoor Unit)								╀
	Night Mode			•	•	•	•		•		L
	Ampere Limit Adju	ustr	ment								L
	Operation Lock (In	ndo	oor)	•	•	•	•		•	•	┸
	Operation Lock (C	Out	door)								
	Built-in Weekly Tir	me	r Function	•	•	•	•	•			L
System Control	PAR-40MAA Cont	trol	*3	Opt	Opt	Opt	Opt	Opt	Opt	Opt	L
Control	PAR-CT01MAA C	on	trol *3	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
	PAC-YT52CRA C	ont	trol *3	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
	Centralised On/O	ff C	Control *3	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
	System Group Co	ontr	rol *3	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Г
	M-NET Connection	n *	* 3	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Т
	Wi-Fi Interface			•	Opt	Opt	Opt	Opt	Opt	Opt	
	Energy Consumption	Mor	nitoring through MELCloud								Τ
Installation	Cleaning-free Pipe	e R	Reuse	•	•	•	•	•	•	•	T
	Wiring/Piping Cor	rec	ction Function								T
	Drain Pump										
	Flare Connection			•	•	•	•	•	•	•	T
Maintenance	Self-Diagnosis Fund	ction	n (Check Code Display)	•	•	•	•	•	•	•	T
1	Failure Recall Fur			•	•	•	•	•	•	•	+

¹ When multiple indoor units connected to an MXZ outdoor unit are running at the same time, simultaneous cooling and heating is not possible.

2 For the possible connectivity of MXZ outdoor units and indoor units, please refer to the list on pages 115-116 for details.

3 Please refer to "System Control" on pages for details.

4 When connected to MXZ outdoor units, the outdoor operating sound will not change.

		I		M si	ERIES		1		1
MSZ-FH25/35/ 50VE2	MSZ-SF25/35/ 42/50VE3	MSZ-GF60/71VE2	MSZ-WN25/35VA	MSZ-DM25/35VA	MSZ-HJ25/35/50VA	MSZ-HJ60/71VA	MFZ-KJ25/35/50VE2	MFZ-KT25/35/ 50/60VG	MLZ-KP25/35/50VF
MUZ-FH	MUZ-SF	MUZ-GF	MUZ-WN	MUZ-DM	MUZ-HJ	MUZ-HJ	MUFZ-KJ	SUZ-M	SUZ-M
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
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•	•	•					●*1	• *1	•
•	•	•	•	•	•	•	•	•	•
•	•	•					•	•	•
•	•	•					•	•	•
Opt	Opt	Opt	Opt	Opt			Opt	Opt	Opt
Opt	Opt	Opt	Opt	Opt			Opt	Opt	Opt
Opt	Opt	Opt		Opt			Opt	Opt	Opt
Opt	Opt	Opt		Opt			Opt	Opt	Opt
Opt	Opt	Opt		Opt			Opt	Opt	Opt
Opt	Opt	Opt	_	Opt			Opt	Opt	Opt
Opt	Opt	Opt	Opt	Opt			Opt	Opt	Opt
•	•	•	•	•	•	•	•	•	•
									•
									•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	in the table are "only w	•	•	•

<sup>The figures listed in the table are "only when combined with an outdoor unit with the appropriate capacity range".
Opt: Separate parts must be purchased.</sup>

FUNCTION LIST (2)

itegory	Icon			Ss	ERIES		
	lndoor unit Outdoor unit		SLZ-M15/25	/35/50/60FA *4		SEZ-M25/35	/50/60/71DA(L)
	Outdoor unit	SUZ-M	SUZ-KA	PUZ-ZM	PUHZ-ZRP	SUZ-M	SUZ-KA
chnology	DC Inverter	•	•	•	•	•	•
	Joint Lap DC Motor	•	•			•	•
	Magnetic Flux Vector Sine Wave Drive			•	•		
	Reluctance DC Rotary Compressor	•	•			•	•
	Highly Efficient DC Scroll Compressor			•	•		
	Heating Caulking (Compressor)	•	•			•	•
	DC Fan Motor	•	•	•	•	•	•
	Vector-Wave Eco Inverter			•	•		
	PAM (Pulse Amplitude Modulation)	•	•	•	•	•	•
	Power Receiver and Twin LEV Control			•	•		
	Grooved Piping	•	•	•	•	•	•
i-see Sensor	Felt Temperature Control (3D i-see Sensor)	Opt	Opt	Opt	Opt		
	AREA Temperature Monitor	Opt	Opt	Opt	Opt		
Energy Saving	Demand Function						
Attractive	Pure White	•	•	•	•		
	Auto Vane	•	•	•	•		
Air Quality	Fresh-air Intake	•	•	•	•		
	High-efficiency Filter						
	Oil Mist Filter						
	Long-life Filter	•	•	•	•		
	Filter Check Signal	•	•	•	•		
Air	Horizontal Vane	•	•	•	•		
Distribution	Vertical Vane						
	High Ceiling Mode	•	•	•	•		
	Low Ceiling Mode						
	Auto Fan Speed Mode	•	•	•	•	•	•
Convenience	On/off Operation Timer	•	•	•	•	•	•
Convenience	Auto Changeover	•	•	•	•	•	•
	Auto Restart	•	•	•	•	•	•
	Low-temperature Cooling						
		•	•	•	•	•	•
	Low-noise Operation (Outdoor Unit)						
	Ampere Limit Adjustment			60-140V	60-140V		
	Operation Lock						
	Rotation, Back-up and 2nd Stage Cut-in Functions			•	•		
	Dual Set Point *3			•	0		
System Control	PAR-40MAA Control *1	Opt	Opt	Opt	Opt	Opt	Opt
	PAR-CT01MAA Control *1	Opt	Opt	Opt	Opt	Opt	Opt
	PAC-YT52CRA Control *1	Opt	Opt	Opt	Opt	Opt	Opt
	Centraliesd On/Off Control *1	Opt	Opt	Opt	Opt	Opt	Opt
	System Group Control *1	Opt	Opt	Opt	Opt	Opt	Opt
	M-NET Connection *1	Opt	Opt			Opt	Opt
	COMPO *2			71-140	71-140		
	Energy Consumption Monitoring through MELCloud						
Installation	Cleaning-free Pipe Reuse	•	•	•	•	•	•
	Reuse of Existing Wiring						
	Wiring/Piping Correction Function						
1	Drain Pump	•	•	•	•	Opt	Opt
	Pump Down Switch						
	-						
	Flare Connection Self-Diagnosis Function (Check Code Display)	•	•	•	•	•	•

^{*1} Please refer to "System Control" on pages for details.
*2 Please refer to page 57 for details.
*3 This function is only available with PAR-40MAA, PAC-YT52CRA, PAR-SL100A-E.
*4 SLZ-M15 can be connected with R32 MXZ only.

If a numerical figure is listed, the feature is only available with the outdoor unit of that capacity.
 Opt: Optional parts must be purchased.

Category	Icon						P se	RIES				
		Indoor unit	PLA-ZM3	5/50/60/71/100/	125/140EA			PLA-M35	/50/60/71/100/1	125/140EA		
		Outdoor unit Outdoor unit	PUHZ-SHW	PUZ-ZM	PUHZ-ZRP	PUHZ-SHW	PUZ-ZM	PUHZ-ZRP	SUZ-M	SUZ-KA	PUZ-M	PUHZ-P
Technology	DC Inverter	<u>'</u>	•	•	•	•	•	•	•	•	•	•
	Joint Lap DC Mo	otor		35-71	35-71		35-71	35-71	•	•	100	100
	Magnetic Flux Vec	ctor Sine Wave Drive	•	•	•	•	•	•			•	•
	Reluctance DC Ro	otary Compressor		35-71	35-71		35-71	35-71	•	•	100-140	100-140
	Highly Efficient DC	C Scroll Compressor	•	100-250	100-250	•	100-250	100-250			200-250	200-250
	Heating Caulking			35-71	35-71		35-71	35-71	•	•	100	100
	DC Fan Motor	9 (•	•	•	•	•	•	•	•	•	•
	Vector-Wave Ec	o Inverter	•	•	•	•	•	•			•	•
		olitude Modulation)	•	35-140	35-140	•	35-140	35-140	•	•	100-140V	100-140V
		nd Twin LEV Control				•						
		nd Twin LEV Control		35-250	35-140		35-250	35-140			100-250	100-140
	Grooved Piping		•	•	•	•	•	•	•	•	•	•
i-see Sensor		ontrol (3D i-see Sensor)	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
	AREA Temperati		Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
	Demand Function	on	Opt	Opt	Opt	Opt	Opt	Opt			Opt	Opt
Attractive	Pure White		•	•	•	•	•	•	•	•	•	•
	Auto Vane		•	•	•	•	•	•	•	•	•	•
Air Quality	Fresh-air Intake		•	•	•	•	•	•	•	•	•	•
	High-efficiency F	ilter	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
	Oil Mist Filter											
	Long-life Filter		•	•	•	•	•	•	•	•	•	•
	Filter Check Sign	nal	•	•	•	•	•	•	•	•	•	•
Air	Horizontal Vane		•	•	•	•	•	•	•	•	•	•
Distribution	Vertical Vane											
	High Ceiling Mod	de	•	•	•	•	•	•	•	•	•	•
	Low Ceiling Mod		•	•	•	•	•	•	•	•	•	•
	Auto Fan Speed		•	•	•	•	•	•	•	•	•	•
Convenience	On/off Operation		•	•	•	•	•	•	•	•	•	•
Convenience	-			_								
	Auto Changeove	er	•	•	•	•	•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•	•	•	•	•
	Low-temperature		•	•	•	•	•	•	•	•	•	•
suo		ation (Outdoor Unit)	•	60 140)/	60 140)/	•	60.440)/	60.140\/			•	•
Functions	Ampere Limit Ad	ljustment	112/140	60-140V 200/250	60-140V 200/250	112/140	60-140V 200/250	60-140V 200/250				
	Operation Lock											
	Rotation, Back-up and	2nd Stage Cut-in Function	•	•	•	•	•	•			•	•
	Dual Set Point *4	4		•	•		•	•			•	•
System	PAR-40MAA Co	ntrol *1	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Control	PAR-CT01MAA	Control *1	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
	PAC-YT52CRA	Control *1	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
	Centraliesd On/0	Off Control *1	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
	System Group C	Control *1	•	•	•	•	•	•	Opt	Opt	•	•
	M-NET Connect	ion *1	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
	COMPO *2		•	71-250	71-250	•	71-250	71-250			•	•
	Energy Consumption N	Monitoring through MELClou										
Installation	Cleaning-free Pi		•	•	•	•	•	•	•	•	•	•
	Reuse of Existin		Opt	Opt	Opt	Opt	Opt	Opt			Opt	Opt
		orrection Function	Орг	Орг	Spt.	Орг	Орг	Орг			- Spi	Эрг
		S. Cottor i direttori	● *3	•*3	•*3	•*3	•*3	● *3	•*3	•*3	•*3	● *3
	Drain Pump	itah							- 3	- 3		
	Pump Down Swi		•	•	•	•	•	•			•	•
	Flare Connection		•	•	•	•	•	•	•	•	•	•
Maintenance		ion (Check Code Display)	•	•	•	•	•	•	•	•	•	•
	Failure Recall Fu	unction	•	•	•	•	•	•	•	•	•	•

^{*1} Please refer to "System Control" on pages for details.
*2 Please refer to page 64 for details.
*3 PEAD-M JAL are not equipped with a drain pump.
*4 This function is only available with PAR-40MAA, PAC-YT52CRA, PAR-SL100A-E.

If a numerical figure is listed, the feature is only available with the outdoor unit of that capacity.
 Opt: Optional parts must be purchased.

FUNCTION LIST (2)

Category	Icon							P SERIES							
0.7	So Indoor unit		PEAD	-M35/50/60/7	1/100/125/14	0JA(L)		PEAD- M35/50/60/ 71/JA(L)		PEA-M2	200/250LA		PKA-M35	5/50LA(L)	
	lndoor unit Outdoor unit Outdoor unit	PUHZ -SHW	PUZ -ZM	PUHZ -ZRP	PUZ -M	PUHZ -P	SUZ -M	SUZ -KA	PUZ -ZM	PUHZ -ZRP	PUZ -M	PUHZ -P	PUZ -ZM	PUHZ -ZRP	
Technology	DC Inverter	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Joint Lap DC Motor		35-71	35-71	100	100	•	•					35-71	35-71	
	Magnetic Flux Vector Sine Wave Drive	•	•	•	•	•			•	•	•	•	•	•	
	Reluctance DC Rotary Compressor		35-71	35-71	100-140	100-140	•	•					35-71	35-71	
	Highly Efficient DC Scroll Compressor	•	100-250	100-250	200/250	200/250			•	•	•	•	100-200	100-200	_
	Heating Caulking (Compressor)		35-71	35-71	100	100	•	•					35-71	35-71	
	DC Fan Motor	•	•	•	•	•	•	•	•	•	•	•	0071	0071	
	Vector-Wave Eco Inverter	•	•	•	•	•			•	•	•	•	•	•	
	PAM (Pulse Amplitude Modulation)	•					•	•					35-140		-
	Power Receiver and Twin LEV Control	•	35-140	35-140	100-140V	100-140V			•		•		35-140	35-140	
			35-250	35-140	100-250	100-140								35-140	
i-see Sensor	Grooved Piping	•	•	•	•	•	•	•	•	•	•	•	•	•	_
I-see Sensor	Felt Temperature Control (3D i-see Sensor)														
F 0 :	AREA Temperature Monitor														_
	Demand Function	Opt	Opt	Opt	Opt	Opt			Opt	Opt	Opt	Opt	Opt	Opt	
Attractive	Pure White												•	•	_
	Auto Vane												•	•	
Air Quality	Fresh-air Intake														_
	High-efficiency Filter														
	Oil Mist Filter														
	Long-life Filter	•	•	•	•	•	•	•	Opt	Opt	Opt	Opt			
	Filter Check Signal	•	•	•	•	•	•	•	•	•	•	•	Opt	Opt	
Air Distribution	Horizontal Vane												•	•	
Distribution	Vertical Vane														
	High Ceiling Mode														
	Low Ceiling Mode														
	Auto Fan Speed Mode	•	•	•	•	•	•	•	•	•	•	•	•	•	
Convenience	On/off Operation Timer	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Auto Changeover	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Auto Restart	•	•	•	•	•	•	•	•	•	•	•	•	•	Т
	Low-temperature Cooling	•	•	•	•	•	•	•	•	•	•	•	•	•	
2	Low-noise Operation (Outdoor Unit)	•	•	•	•	•			•	•	•	•	•	•	
Functions	Ampere Limit Adjustment	112/140	60-140V	60-140V						•			71-140V	71-140V	
	Operation Lock		200/250	200/250									200	200	
	Rotation, Back-up and 2nd Stage Cut-in Functions	•	•	•	•	•			•		•		•	•	
	Dual Set Point *4		•	•	•	•			•	•	•	•	•	•	-
System	PAR-40MAA Control *1	Ont					Ont	Ont							\vdash
Control	PAR-CT01MAA Control *1	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	-
	PAC-YT52CRA Control *1	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
		Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
	Centraliesd On/Off Control *1	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt		Opt		Opt	Opt	
	System Group Control *1	•	•	•		•	Opt	Opt	•	•	•	•	Opt	Opt	
	M-NET Connection *1	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
	COMPO *2	•	71-250	71-250	•	•			•		•		71-200	71-200	
	Energy Consumption Monitoring through MELCloud														_
Installation	Cleaning-free Pipe Reuse	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Reuse of Existing Wiring	Opt	Opt	Opt	Opt	Opt							Opt	Opt	_
	Wiring/Piping Correction Function														
	Drain Pump	● *3	●*3	● *3	● *3	• *3	●*3	• *3	Opt	Opt	Opt	Opt	Opt	Opt	
	Pump Down Switch	•	•	•	•	•			•	•	•	•	•	•	
	Flare Connection	•	•	•	•	•	•	•	•	•	•	•	•	•	L
Maintenance	Self-Diagnosis Function (Check Code Display)	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Failure Recall Function	•	•	•	•	•	•	•	•	•	•	•	•	•	

¹ Please refer to "System Control" on pages for details.
2 Please refer to page 64 for details.
3 PEAD-M JAL are not equipped with a drain pump.
4 This function is only available with PAR-40MAA, PAC-YT52CRA, PAR-SL100A-E.

									P SERIES							
PKA-M3	5/50LA(L)		PKA	-M60/71/100h	KA(L)			PC.		71/100/125/14	10KA		PCA-N	М71НА	RP7	SA- 1/100/ 140KA
PUZ -M	PUHZ -P	PUHZ -SHW	PUZ -ZM	PUHZ -ZRP	PUZ -M	PUHZ -P	PUZ -ZM	PUHZ -ZRP	PUZ -M	PUHZ -P	SUZ -M	SUZ -KA	PUZ -ZM	PUHZ -ZRP	PUHZ -ZRP	PUHZ -P
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100	100		60/71	60/71	100	100	35-71	35-71	100	100	•	•	71	71	71	100
•	•	•	•	•	•	•	•	•	•	•			•	•	•	•
•	100-140		60/71	60/71	100-140	100-140	35-71	35-71	100-140	100-140	•	•	71	71	71	100-140
	200	•	100-250	100-250	200/250	200/250	100-250	100-250	200/250	200/250			100-250	100-250	100-250	200/250
			60/71	60/71	100	100	35-71	35-71	100	100	•	•	71	71	71	100
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•			•	•	•	•
100V-140V	100V-140V	•	60-140	60-140	100-140V	100-140V	35-140	35-140	100-140V	100-140V	•	•	71-140	71-140	71-140	100-140V
100-140	100-140	•	60-250	60-140	100-250	100-140	35-250	35-140	100-250	100-140			71-250	71-140	71-140	100-140
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt			Opt	Opt	Opt	Opt
•	•	•	•	•	•	•	•	•	•	•	•	•			•	•
•	•	•	•	•	•	•	•	•	•	•	•	•				
							•	•	•	•	•	•	•	•		
							Opt	Opt	Opt	Opt	Opt	Opt				
													•	•		
							•	•	•	•	•	•			•	•
Opt	Opt	Opt	Opt	Opt	Opt	Opt	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•				
															•	•
							•	•	•	•	•	•				
							•	•	•	•	•	•				
•	•	•	•	•	•	•	•	•	•	•	•	•			•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•			•	•	•	•
		112/140	60-140V 200/250	60-140V 200/250			60-140V 200/250	60-140V 200/250						71-140V 200/250	71-140V 200/250	
•	•	•	•	•	•	•	•	•	•	•			•	•		
•	•		•	•	•	•	•	•	•	•						
Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt		
Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt		
Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt		
Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Opt	Opt	Opt	Opt	Opt	Opt	Opt	•	•	•	•	Opt	Opt	•	•	Opt	Opt
Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
•	•	•	71-250	71-250	•	•	71-250	71-250	•	•			71-250	71-250	71-250	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt			Opt	Opt	Opt	Opt
***	-				10.7					-						
Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt				
•	•	•	•	•	•	•	•	•	•	•		6.5	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
																f that capacity.

If a numerical figure is listed, the feature is only available with the outdoor unit of that capacity.
 Opt: Optional parts must be purchased.

FUNCTION LIST (2)

ategory	Icon							MXZ s	SERIES						
,	Series			Std			Lo-			l2i	Lo	-std		Std	
	Consc			MXZ-VA(2)				Z-VA		Z-VA		Z-VF		MXZ-VF3	
	Outdoor unit	2D	3E	4E	5E	6D	2DM	3DM	2E	4E	2HA	ЗНА	2F	3F	4F
hnology	DC Inverter	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Joiint Lap DC Motor	•	•	•	•		•	•	•		•	•	•	•	•
	Magnetic Flux Vector Sine Wave Drive														
				00											
	Reluctance DC Rotary Comperssor			83	•	•									
	Highly Efficient DC Scroll Compressor														
	Heating Caulking (Compressor)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	DC Fan Motor	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Vector-Wave Eco Inverter														
	PAM (Pulse Amplitude Modulation)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Power Receiver and Twin LEV Control		•	72				•				•		•	•
	Grooved Piping	•	•	•	•	•	•	•	•	•	•	•	•	•	•
i-see Sensor	Felt Temperature Control (3D i-see)														
	AREA Temperature Monitor														
Energy Saving	Demand Function														
Attractive	Pure White														
=	Auto Vane														
Air Quality	Fresh-air Intake														
All Quality	High-efficiency Filter														
	Oil Mist Filter														
	Filter Check Signal														
Air Distribution	Horizontal Vane														
	Vertical vane														
	High Ceiling Mode														
	Auto Fan Speed Mode														
Convenience	On/off Operation Timer														
	Auto Changeover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Auto Restart	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Low- temperature Cooling	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	10°C Heating	• *1	● *1	• *1	• *1	• *1			• *1	• *1			• *1	• *1	● *1
	Low-noise Operation (Outdoor)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Night Mode														
	Ampere Linit Adjustment			83	•	•			•	•					
	Operation Lock (Indoor)			63											
	Operation Lock (Outdoor)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Built-in Weekly Timer Function														
	Rotation, Back-up abd 2nd Stage Cut-in Functions														
	Dual Set Point														
System Control	PAR-40MAA Control	Opt													
Control	PAR-CT01MAA Cotrol	Opt													
	PAC-YT52CRA Control	Opt													
	Centralised On/off Control	Opt													
	System Group Control	Opt													
	M-NET Connection			Opt (83)	Opt	Opt			Opt	Opt					
	Wi-Fi Interface														
	Energy/Consumption Monitaring trouth MEL Cloud														
	COMPO														
	MXZ Connection	* 2	•*2	* 2	* 2	*2	**2	*2	* 2	* 2	2 *2	•*2	• *2	•*2	* 2
Installeties		- 2	- 2	- 2	- 2	• *2	• *2	• *2	- 2	- 2	• *2				
Installation	Cleaning-free Pipe Reuse										●*3	• *3	•*3	●*3	• *3
	Reuse of Existing Wiring														
	Wiring/Piping Correction Function	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Drain Pump														
	Pump Down Switch		•	•	•	•		•		•		•		•	•
	Flare Connection	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Maintenance	Self-Diagnosis Function (Check Code Display)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
I	Failure Recall Function	•	•	•	•	•	•	•	•	•	•	•	•	•	•

^{*1} When multiple indoor units connected to an MXZ outdoor unit are running at the same time, simultaneous cooling and heating is not possible.

*2 For the possible connectivity of MXZ outdoor units and indoor units, please refer to the list on pages 113 for details.

*3 Please refer to "System Control" on pages for details.

			MXZ SERIES		
		Std		Hyper H	
		MXZ-VF		MXZ-	
	4F	5F	6F	2F	4F
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	● *1	• *1	● *1	● *1	● *1
	•	•	•	•	•
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	Opt	Opt	Opt	Opt	Opt
	Opt	Opt	Opt	Opt	Opt
	Opt	Opt	Opt	Opt	Opt
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	•*2	•*2	•*2	•*2	•*2
	●*3	●*3	●*3	•*3	● *3
	•	•	•	•	•
ì	 The figures 	licted in the	table are "e	nly when co	mbinod with

<sup>The figures listed in the table are "only when combined with an outdoor unit with the appropriate capacity range".
Opt: Separate parts must be purchased.</sup>

Major Optional Parts

Part Name	Description	Part Name	Description
Deodorising Filter Captures small foul-smelling substances in the air.	Decdorising filter	Drain Pump Pumps drain water to a point higher than that where the unit is installed.	Tor calling-suspended units
Air-cleaning Filter Removes fine dust particles from the air by means of static electricity.	Air-cleaning filter	Decorative Cover To be attached to the upper section of ceiling- suspended models for professional kitchen use. Helps prevent dust accumulation.	Decorative cover Decorative Indoor unit
Silver-ionized Air Purifier Filter Captures the bacteria, pollen and other allergens in the air and neutralises them.	Silver-ionized Air Purifier Filter	MA & Contact Terminal Interface Interface for connecting with the PAR-40MAA remote controller and PAC-YT52CRA, and to relay operation signals.	MA & contact terminal interface
Oil Mist Filter Element Filter element (12 pieces) that blocks the oil mist for ceiling-suspended models used in professional kitchens.	Filter frame Filter dement	System Control Interface Interface to connect with M-NET controllers.	System control interface
High-efficiency Filter Element Element for high-efficiency filter. Removes fine dust particles from the air.	Plug (for directing airflow) High-efficiency filter element *For 4-way cassette units (PLA)	Wi-Fi Interface Interface enabling users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.	W/Fi interface
3D i-see Sensor Corner Panel for SLZ Corner panel holding the 3D i-see Sensor.	i-see Sensor comer parel	Connector Cable This product is an adaptor which inputs the incoming signals from an open/close switch to the air conditioner and outputs the on/off signals from the air conditioner to the back-up heater.	Indoor unit
3D i-see Sensor Corner Panel for PLA Corner panel holding the 3D i-see Sensor.	i-see Sensor comer panel	Power Supply Terminal Kit Terminal bed to change the power supply from outdoor power supply to separate indoor/ outdoor power supplies.	
Shutter Plate Plate for blocking an air outlet of the 4-way cassette (PLA) indoor unit.	Shutter Plate	Wired Remote Controller Advanced deluxe remote controller with full-dot liquid-crystal display and backlight. Equipped with convenient functions like night-setback.	Acc.
Multi-functional Casement Casement for fresh-air intake and attaching the high-efficiency filter element (optional).	Indoor unit body Multi-functional casement	MA Touch Remote Controller Remote controller with the full color touch display. Smartphone/Tublet App is available for setting, customize and control.	
Fresh-air Intake Duct Flange Flange attachment for adding a duct to take in fresh air from outside.	*For 4-way cassette units (PLA)	Simple Wired Remote Controller Remote controller with liquid-crystal display, and backlight function for operation in dark location.	**************************************
Space Panel Decorative cover for the installation when the ceiling height is low.	Space Panel	Remote Controller Terminal Block Kit for PKA The terminal block is used as a relay to wire an indoor unit and to two remote controllers or to wire a remote controller and multiple indoor units in order to perform group control.	

Part Name	Description
Wireless Remote Controller Signal Sender Handheld unit for sending operation signals to the indoor unit.	Handheld unit
Wireless Remote Controller Signal Receiver Receives operation signals from the wireless remote controller handheld unit.	Signal receiver
Wireless Remote Controller Kit (Sender & Receiver) Remote controller handheld unit (signal sender) and receiver (signal receiver) for ceiling-suspended units.	Signal receiver
Control Holder Holder for storing the remote controller.	Control holder
Remote Sensor Sensor to detect the room temperature at remote positions.	Remote sensor
Remote On/Off Adapter Connector for receiving signals from the local system to control the on/off function.	Remote on/off adapter
Remote Operation Adapter Adapter to display the operation status and control on/off function from a distance.	Remote operation adapter
Connector Cable for Remote Display Connector used to display the operation status and control on/off function from a distance.	Connector cable for remote display Brown Red Orange Orange Yellow Green
Distribution Pipe Branch pipe for P Series simultaneous multisystem use, or to connect two branch boxes for PUMY.	Indoor unit Indoor unit Indoor unit Distribution pipe P Series with 2 indoor units
Joint Pipe Part for connecting refrigerant pipes of different diametres.	Joint pipe Onsite pipe Indoor unit Outdoor unit
Liquid Refrigerant Dryer Removes water and minute particles from refrigerant pipes.	
Branch Box Outer Cover Casement for branch boxes.	Complete view

Part Name	Description
Air Discharge Guide Changes the direction of air being exhausted from the outdoor unit.	
Air Protection Guide Protects the outdoor unit from the wind.	
Drain Socket A set of caps to cover unnecessary holes at the bottom of the outdoor unit, and a socket to guide drain water to the local drain pipe.	Cap
Centralised Drain Pan Catches drain water generated by the outdoor unit.	Outdoor unit Centralised drain pan Base (local construction)
M-NET Converter Used to connect P Series A-control models to M-NET controllers.	Grap minde certicaler M-NET Converter Four it seals unit for transmit cable
Control/Service Tool Monitoring tool to display operation and self-diagnosis data.	Control/service tool
Step Interface Interface for adjusting the capacity of inverter- equipped outdoor units.	Case interior Installed in case
High-static Fan Motor Static pressure enhanced up to +30pa.	

Optional Parts List <Indoor>

	Option			Fi	ter			0-4:	System	MA &					Wired Rem	note Controlle	er I	
			Silver- Air Puri	ionized		Deodo Filt		Softdry cloth	System Control Interface	Contract Terminal Interface	Wi-Fi Interface		ector ble		Controlle	r		troller lder
Indoor Unit		MAC- 2360 FT	MAC- 2370 FT	MAC- 2380 FT	MAC- 2390 FT	MAC- 3000 FT-E	MAC- 3010 FT-E	MAC- 1001 CL-E	MAC- 334IF-E	MAC- 397IF-E	MAC- 567IF-E	MAC- 1702RA-E	MAC- 1710RA-E	PAR- 40MAA	PAR- CT01MAA	PAC- YT52CRA	MAC- 1200RC-E	MAC- 1300RC-
	MSZ-LN18VG2(W)(V)(R)(B)				•		•	•	•	•		•	•	● *1	●*1	● *1		•*2
	MSZ-LN25VG2(W)(V)(R)(B)				•		•	•	•	•		•	•	• 11	0 *1	0 "1		•*2
	MSZ-LN35VG2(W)(V)(R)(B)				•		•	•	•	•		•		1	*1	6 *1		0°2
	MSZ-LN50VG2(W)(V)(R)(B) MSZ-LN60VG2(W)(V)(R)(B)	_			•		•	•	•	•		•	•	011	0"1	01		*2
	MSZ-FT25VG		•		_						*3			-1	*1	0"1		•
	MSZ-FT35VG		•						•	•	-3	•	•	-1	0*1	0"1		•
	MSZ-FT50VG								•	•	●,3	•		0 11	0 *1	0 "1		•
	MSZ-AP15VG									•	•*3	•	•	0 *1	• *1	0 *1		•
	MSZ-AP20VG								•	•	● *3	•	•	• "1	● *1	• "1		•
	MSZ-AP25VG		•						•	•	•	•	•	●"1	● *1	●*1		•
	MSZ-AP35VG								•	•	•	•	•	1	• *1	6 *1		•
	MSZ-AP42VG	<u> </u>	•						•	•	•	•	•	●*1	6 11	• "1		•
	MSZ-AP50VG		•						•	•	•	•	•	●*1	●*1	●"I		•
	MSZ-AP60VG MSZ-AP71VG	•							•	•	•	•	•	*1 *1	*1	0 *1		•
	MSZ-EF18VG(W)(B)(S)	_	•					•	•	•	-3	•	•	011	0"1	01		•
	MSZ-EF22VG(W)(B)(S)									•	-3			-1	*1	0"1		
	MSZ-EF25VG(W)(B)(S)		•					•	•	•	•*3	•	•	011	-11	0"1		•
	MSZ-EF35VG(W)(B)(S)		•					•	•	•	6 *3	•	•	1	● *1	0 *1		•
	MSZ-EF42VG(W)(B)(S)		•					•	•	•	6 *3	•	•	1 1	● *1	• "1		•
	MSZ-EF50VG(W)(B)(S)							•	•	•	*3	•	•	1 1	●"1	●"1		•
	MSZ-BT20VG								•	•	●*3	•	•	1 1	1 1	●"1		
	MSZ-BT25VG								•	•	● *3	•	•	1	6 *1	0 *1		
	MSZ-BT35VG		•						•	•	●*3	•	•	1 1	● *1	0 "1		
	MSZ-BT50VG		•						•	•	•,3	•	•	1 1	• *1	0 "1		
	MSZ-HR25VF MSZ-HR35VF		•						•	•	•	•	•	•	•	•	•	
	MSZ-HR35VF								•	•	•	•	•	•	•	•	•	
	MSZ-HR50VF								•	•								
	MSZ-HR60VF		•						•	•	•	•	•	011	011	011	•	
=	MSZ-HR71VF		•						•	•	•	•	•	1	• 11	0 "1	•	
S	MSY-TP35VF									•	•	•	•	•		•		
	MSY-TP50VF		•						•	•	•	•	•	•	•	•		
	MSZ-FH25VE2			•		•			•	•	•	•	•	1 1	● *1	●"1		•
	MSZ-FH35VE2			•		•				•	•	•	•	1 1	• *1	0 "1		•
	MSZ-FH50VE2			•		•			•	•	•	•	•	●*1	0 *1	• "1		•
	MSZ-SF15VA MSZ-SF20VA								•	•	•			●*1 ●*1	@*1 @*1	@*1 @*1		•
	MSZ-SF25VE3								•	•	•			11	*1	01		•
	MSZ-SF35VE3								•	•	•			01	011	01		•
	MSZ-SF42VE3									•	•			0"1	011	0"1		
	MSZ-SF50VE3		•						•	•	•			1	• *1	0 *1		•
	MSZ-GF60VE2	•							•	•	•			1 1	• *1	0 "1		•
	MSZ-GF71VE2	•							•	•	•			1 1	• *1	0 "1		•
	MSZ-WN25VA		•						•	•	•	•	•	•	•	•		•
	MSZ-WN35VA		•						•	•	•	•	•	•	0	•		•
	MSZ-DM25VA		•						•	•	•	•	•	011	6 *1	0"1	•	
	MSZ-DM35VA		•						•	•	•	•	•	• *1	*1	• *1	•	
	MSZ-HJ25VA MSZ-HJ35VA											•	•					
	MSZ-HJ50VA		•									•	•				•	
	MSZ-HJ60VA											•	•				•	
	MSZ-HJ71VA											•						
Floor-	MFZ-KJ25VE2		•						•	•	•	•	•	1 1	• *1	0 "1		•
	MFZ-KJ35VE2		•						•	•	•	•	•	●"1	1 1	0 *1		•
	MFZ-KJ50VE2		•						•	•	•	•	•	1 1	• *1	0 *1		
	MFZ-KT25VG		•						•	•	•	•	•	● *1	• *1	● *1		•
	MFZ-KT35VG		•						•	•	•	•	•	●*1	●*1 ●*1	0 "1		•
	MFZ-KT50VG		•						•	•	•	•	•	0 *1	0 *1	0 "1		0
	MFZ-KT60VG	_	•		-			-	•	•	•	•	•	●*1 ●*1	6 "1	●*1 ●*1		•
	MLZ-KP25VF		•						•	•	•			011	*1	011		•
	MLZ-KP35VF									•								

^{*1} MAC-334IF-E or MAC-397IF-E is required. When using MAC-397IF-E with PAR-40MAA, brightness needs to be set as low.
*2 Available only for LN18/25/35/50/60VG2W.
*3 Outside attachment only.

Optional Parts List <Indoor>

	Option						Filter							i-see		Multi-	Fre ^r	sh-air								
		Oil Mist Filter Element	Life	F	High-ef Filter E	fficiency Element	y .t		,	Filter Bo	iox		Cor	ensor orner anel	Shutter Plate	functional	Intake	e Duct ange	Space Panel			Dra	ain Pur	mp		
ndoor Unit		PAC- SG38 KF-E		PAC- SH59 KF-E	SH88	SH89	PAC- SH90 KF-E	KE92	KE93	KE94	KE95	KE250	SF1	SE1	SJ37	SJ41	PAC- SH65 OF-E	SF28	SJ65	SH94	SK01	SJ92	PAC- SJ93 DM-E	SJ94	PAC- KE07 DM-E	7 KE06
4-way	SLZ-M15FA					\Box				\Box			•													
cassette	SLZ-M25FA	'	'			'	<u> </u>	Ĺ'			'		•													
	SLZ-M35FA																									
	SLZ-M50FA	'	<u> </u>	Γ.		Д'	<u> </u>	Ĺ.,		<u> </u>	Г'		•	<u> </u>		'					\perp	\perp	<u> </u>	<u>[</u>	Ī.	
	SLZ-M60FA	Щ'	<u> </u>	Щ'	<u> </u>	↓'	↓ ′	Щ'		Ψ'	Щ'		•		<u> </u>	<u> </u>	<u></u>	<u> </u>	\perp				<u> </u>	<u></u> '	Щ.	
Ceiling -	SEZ-M25DA(L)																								•	
conceald	SEZ-M35DA(L)	Ψ'	↓′	Ψ.	<u> </u>	↓'	 '	Щ'		⊥ ′	Д'		Д'		<u> </u>	<u> </u>	↓′	 		<u> </u>		<u> </u>	<u> </u>	'ـــــــــــــــــــــــــــــــــــــ	•	
	SEZ-M50DA(L)	Щ'	↓ ′	Щ'	<u> </u>	↓'	⊥ ′	Щ'		⊥′	Ψ'		Ψ'		<u> </u>	<u> </u>	Щ'	<u> </u>					<u> </u>	<u></u> '	•	
	SEZ-M60DA(L)																								•	
	SEZ-M71DA(L)	ــــــــــــــــــــــــــــــــــــ	<u> </u>	<u> </u>	<u> </u>	Ψ'	 	Щ'		Ψ'	Ψ'		↓'	↓	<u> </u>	<u> </u>	<u> </u>	 	Д	Щ.	Щ.	↓	<u> </u>	'ـــــــــــــــــــــــــــــــــــــ		┷
4-way	PLA-ZM35EA	Д'	<u> </u>	•	<u> </u>	Ψ'	<u> </u>	Д′		<u> </u>	Д'		Д'	•	•	•	•	 	•			<u> </u>	<u> </u>	'ـــــــــــــــــــــــــــــــــــــ	⊥	
Cassette	PLA-ZM50EA	'	<u> </u>			Ĺ'	<u> </u>	<u> </u>		<u>['</u>	Ĺ'		Ĺ'	•	•	•	•	Ĺ'			<u> </u>	L_	<u> </u>		Ĺ	
	PLA-ZM60EA			•										•	•	•	•		•							
	PLA-ZM71EA	┷-	<u> </u>	•		<u> </u>	<u> </u> '	<u> </u>		<u>'</u> ـــــــــــــــــــــــــــــــــــ	Щ'	\perp	 '	•	•	•	•	1	•		Ц_		<u> </u>	\perp	\perp	\perp
	PLA-ZM100EA	ــــــــــــــــــــــــــــــــــــ	<u> </u>	•	<u> </u>	⊥'	 	Щ'		<u>↓</u> ′	⊥′		⊥'	•	•	•	•	 	•				<u> </u>	<u> </u>		
	PLA-ZM125EA	4	4	•		4'	4	4	4	4	4		4	•	•	•	•		•							4
	PLA-ZM140EA	Д'	<u> </u>	•	<u> </u>	Ψ'	<u> </u>	Д′		<u> </u>	Ψ'		Д'	•	•	•	•	 	•		<u> </u>	<u> </u>	<u> </u>	<u> </u>	⊥	\perp
	PLA-M35EA	<u> </u>	<u> </u>	•	<u> </u>	 '	<u> </u>	Щ'	4	 	 '		 	•	•	•	•		•				<u> </u>	'ـــــــــــــــــــــــــــــــــــــ		_
	PLA-M50EA	4	4	•		4'	4		4	4	4		4	•	•	•	•	4	•							4
	PLA-M60EA					Ĺ'	'ـــــــــــــــــــــــــــــــــــــ	<u> </u>		'ـــــــــــــــــــــــــــــــــــــ	Ĺ'		'ـــــــــــــــــــــــــــــــــــــ	•	•	•	•	<u> </u>	•		\perp	\perp	L_'		Ĺ	
	PLA-M71EA	'	'			Ĺ'	<u> </u>	<u> </u>		<u>['</u>	Ĺ'		'ـــــــــــــــــــــــــــــــــــــ	•	•	•	•	<u> </u>			<u> </u>	L	<u> </u>		Ĺ	
	PLA-M100EA			•										•	•	•	•		•							
	PLA-M125EA	<u> </u>	 '	•	<u> </u>	Д'	<u> </u>	Щ'	⊥	↓ '	⊥'		⊥'	•	•	•	•	1	•		↓	↓	<u> </u>	\perp	\perp	\perp
	PLA-M140EA	<u> </u>	 '	•	<u> </u>	<u> </u>	<u> </u>	Щ'		┴ '	<u> </u>		Щ'	•	•	•	•		•					\perp	Щ	
Ceiling -	PEAD-M35JA(L)							•																		4
conceald	PEAD-M50JA(L)	<u> </u>	 '	_	<u> </u>	 '	 '	•	4	↓ —′	_		 	↓	<u> </u>	<u></u> '	<u> </u>	1		↓	↓	↓	<u> </u>	\perp	↓	₩
	PEAD-M60JA(L)	<u> </u>	 '	_	<u> </u>		 '	Щ'	•	Ψ'	_ '		 '			<u> </u>	<u> </u>	1					<u> </u>	Щ'	Ц	\perp
7	PEAD-M71JA(L)		4			4	4		•	4	4		4		4											4
	PEAD-M100JA(L)	<u> </u>	<u> </u>	<u> </u>	 	Д—'	 '	<u> </u>		•	 '		Д—'	4	<u> </u>	<u> </u>	<u> </u>	1		<u> </u>	↓	↓	<u> </u>	'ـــــــــــــــــــــــــــــــــــــ	↓	\perp
7	PEAD-M125JA(L)	<u> </u>	 '	_ '	<u> </u>		 '	Щ'	4	•	_ '		 '			<u> </u>	<u> </u>	1				<u> </u>	<u> </u>	Щ'	Ц	_
	PEAD-M140JA(L)		4	4		4	4	-		4	•		4	4	4											4
	PEA-M200LA	<u> </u>	•	<u> </u>	<u> </u>	 	 '	Щ'		<u> </u> '	_ '	•	<u> </u>	1	 '	<u></u> '	<u> </u>	1	↓	 	↓	↓	<u> </u>	Щ'	↓	
	PEA-M250LA	<u> </u>	•	<u></u> '	<u> </u>	—'	 '	—′		<u></u> '	—'	•	 '		<u> </u>	<u> </u>	<u></u>				_		<u> </u>	<u> </u>	—	•
Wall -	PKA-M35LA(L)	4	4——	4—'	4	4—"	4—'	 '	4	4—'	4—'	4	4	\leftarrow	4	4——	4—'	4	4/	4	•	4	4	4/	4	4
mounted	PKA-M50LA(L)	<u> </u>	 '	<u> </u>		₩'	 '	——'		↓ —'	₩'		<u> </u>	+	<u> </u>	<u> </u>	<u> </u>	+			•	—	<u> </u>	<u> </u> '	1	\perp
	PKA-M60KA(L)	 '	 '	<u></u> '		 '	 '	<u></u> '	—	 '	 '		 '	+-	<u></u> '	<u> </u>	<u></u> '		₩.	•	₩	—	<u> </u>	$\perp \perp \mid$	—	\perp
	PKA-M71KA(L)	4—'	4—'	4—"	4—	4—'	+'	₩'	4—	+'	4—'	4—	4—'	4—	4—'	 '		4—	4	•	4	4	-	\vdash	₩	4
0 111	PKA-M100KA(L)	₩'	+'	₩'	+	₩'	₩'	₩,	+	₩'	₩'	+	₩'	+	+'	 '	 '	+	+-	•	₩	_	 	₩	₩	+
Ceiling - suspended	PCA-M35KA	 '	 '	<u>+</u> '	0	₩'	₩'	₩.	4—	₩'	₩'		₩'	\leftarrow	<u></u> '	<u></u> '	<u></u> '			+	\perp		_	$\perp \perp '$	\vdash	\perp
suspended	PCA-M50KA	4	+	1-	•	+-'	+-	← ′	4	+'	4—'	4—	4-	\leftarrow	4	+'	+	+	4	4	+	•	-		-	+
	PCA-M60KA	 '	 '	 '		•	+'	+'	+	+'	+'	+	 	+	+'	+'	 '	+	+	+	₩	₩		•	₩	+
	PCA-M71KA	-	-	-	-	•	+-'	 '	_	-	₩'	_	-	+-	 '	 '	-	+	_	_	_	_	•	\vdash	_	\perp
	PCA-M100KA	4	+	+-		+	•	-	4	+	+'	4	4	\leftarrow	4	-	+	\leftarrow	4	4	1		•		1	4
	PCA-M125KA	 '	+'	+'		+'	•	—'	+	+'	+'	+	+'	_	+'	+'	+'	+	+	+	+	+	•			+
	PCA-M140KA	<u> </u>	-	-	<u> </u>	-	•	—'	+-	-	-	\perp	-	_	<u>+-</u> '	 '	<u> </u>		\perp	\vdash	\vdash	_	•	—	_	+
Floor	PCA-M71HA	•	+	+-		+'	\leftarrow	-	1	+'	+'	\leftarrow	+'	\leftarrow	+	-	+	•	4—	+-	+	\leftarrow	-		_	4
Floor - standing	PSA-RP71KA	 '	+'	+'		+'	+'	—'	+	+'	+'	+	+'	_	+'	+'	+'	+	+	+	+	-	<u> </u>			+
standing	PSA-RP100KA	-	-	-	<u> </u>	-	<u>+-</u> '	—'	+-	-	-	\perp	-	_	<u>+-</u> '		<u> </u>	_	\perp	\vdash	_	_	<u> </u>	$\perp \perp \mid$	\vdash	\vdash
	PSA-RP125KA	4	4	4	-	4	+	+	4	4	4	4	4	\leftarrow	4		-	4	4	4	1		-		1	4—
	PSA-RP140KA	1 '	1 '	1 '	1 '	1 '	.1	1 '	1	1 '	1 '	1	1 '	1	1 '	1 '	1 '	1	1	1			1 '	1 '	1	1

^{*1} P Series indoor units can be used in combination with SUZ or MXZ outdoor units.
*2 Unable to use with wireless remote controller.
*3 PAC-SH29TC-E is required for wireless model.
*4 Group control cannot be used.

			MA &							Wir	ed Remo	ote Conti	roller		Wirele	ess Re	mote C	ontrolle	r				Connector
	rative	System Control Interface	Contact Terminal Interface	Wi-Fi Interface		Pov Te	ver Su rmina	apply I Kit			Controlle		Terminal Block kit for PKA		nal nder		Signal Receive		Controller Kit (Sender & Receiver)	Remote Sensor	Remote On/Off Adapter	Remote Operation Adapter	Cable for Remote Display
PAC- SF81 KC-E	PAC- SF82 KC-E	MAC- 334IF-E	MAC- 397IF-E	MAC- 567IF-E	PAC- SK38 HR-E	PAC- SG94 HR-E	PAC- SG96 HR-E	PAC- SG97 HR-E	PAC- SJ39 HR-E	PAR- 40MAA	PAR- CT01MAA	PAC- YT52CRA	PAC- SH29TC-E	PAR- SL97 A-E	PAR- SL100 A-E	PAR- SA9C A-E	PAR- SF9 FA	PAR- SE9 FA-E	PAR- SL94 B-E	PAC- SE41 TS-E	PAC- SE55 RA-E	PAC- SF40 RM-E	PAC- SA88 HA-E
		•	•	•						•	•	•		•	●*4		•			•	•	* 2	•
		•	•	•						•	•	•		•	●*4		•			•	•	• *2	•
		•	•	•						•	•	•		•	•*4		•			•	•	*2	•
		•	•	•						•	•	•		•	•*4		•			•	•	●*2 ●*2	•
		•		•						DA	DA	DA		•		•	•			•	•	*2 *2	•
		•	•	•						DA	DA	DA		•		•				•	•	*2	•
		•	•							DA	DA	DA		•		•				•	•	*2	•
		•		•						DA	DA	DA		•		•				•		*2	•
		•	•	•						DA	DA	DA		•		•				•	•	*2	•
		●"1	●"1	•					•	•	•	•		•	●*4			•		•	•	* 2	•
		0 *1	● *1	•					•	•	•	•			●*4			•		•	•	*2	•
		●*1	6 *1	•					•	•					●*4						•	* 2	
		0"1	0 "1	•	-	_			•	•	•	•		•	●*4			•		•	•	*2	•
		6 *1	9 *1	•					•	•	•	•		•	●*4 ●*4			•		•	•	*2 *2	•
		0"1	011	•					•	•	•	•		•	0*4			•		•	•	*2	•
		0"1	0 *1	•					•	•	•	•		•	● *4			•		•	•	*2	•
		0*1	011						•	•	•	•		•	6 *4			•		•	•	*2	•
		1 1	1 1						•	•	•	•		•	●*4			•		•	•	•*2	•
		6 *1	1 1	•					•	•	•	•		•	6 *4					•	•	*2	•
		• *1	● *1	•						•	•	•			●*4					•	•	* 2	•
									•	•				•	● *4			•				* 2	
		•	•	•					•	•		•		•	●*4						•	● *2	
		1	1							•				•		•					•	* 2	
		● *1	● *1	•				•		•	•	•		•		•				•	•	* 2	•
		0 *1	0 *1	•				•		•	•	•		•		•					0	0 *2	•
		0 *1	0 "1	•				•		•	•	•		•		•				•	•	*2	•
		●*1 ●*1	●*1 ●*1	•				•		•	•	•		•		•				•	•	*2 *2	•
		0"1	0*1	•				•		•		•		•		•				•	•	*2	•
		011	0"1	•				_		•	•	•		•		•				•	•	*2	•
		6 11	0 *1	•						•	•	•		•		•				•	•	*2	•
		0"1	0 *1	•						●,3	●,3	●*3	•	•	•					•	•	.3	•
		6 *1	6 *1	•						●,3	●*3	●*3	•	•	•					•	•	*2	•
		●"1	0 "1	•		•				●,3	●*3	●*3	•	•						•	•		•
		● *1	@*1	•		•				⊕*3	●*3	* 3	•	•						•	•		•
		● *1	6 *1	•	1	•				●,3	●,3	●*3	•	•						•	•		•
		0 *1	0 *1	•			•			•	•	•		•					•	•	•	*2	•
		6 11	0 "1	•			•			•	•	•		•					•	•	•	*2 *2	•
		011	0"1	•			•			•	•	•		•					•	•	•	*2	•
		-	-							•	•	•		•					•			*2	
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				•			•			•	•	•		•					•	•	•	•*2	•
								•		•	•	•		•						0	•	*2	•
				•			•													•	•	•*2	•
				•			•													•	•	•*2	•
				•																	•	*2	•
				•			•													•	•	* 2	

Optional Parts List <Outdoor>

		Option			Distribut	ion Pipe						Joint	Pipe				Liquid I	Refrigera	int Dryer	$\overline{}$
		Option	_	.					Unit		Unit ø15.88	Unit	Unit		Unit					1
		_		Twin :50)	For 7 (33:3	Triple 3:33)	For Qu (25:25	adruple :25:25)	>	>	>	>	>	ø9.52	>	>	For	For pipe	For pipe	
									Pipe ø9.52		Pipe ø19.05	Pipe ø15.88	Pipe ø9.52	Pipe ø12.7	Pipe ø9.52	Pipe ø15.88	ø6.35	ø9.52	ø12.7	
			MSDD-	MSDD-	MSDT-	MSDT-	MSDF-	MSDF-	PAC-	PAC-	PAC-	PAC-	PAC-	Flare	MAC	MAC.			PAC-	1
Οu	tdoor Unit		50TR-E	50WR-E	111R-E	111R3-E	111R-E	111R2-E	SG72 RJ-E	SG73 RJ-E	SG75 RJ-E	SG76 RJ-E	493 PI	A454	A455	MAC- A456 JP-E	SG81 DR-E	SG82 DR-E	SG85 DR-E	
	L Series	MUZ-LN25VG										IVO-E	FI	JF-E	JF-E	JF-E				
		MUZ-LN25VGHZ MUZ-LN35VG																		
		MUZ-LN35VG MUZ-LN35VGHZ																		
		MUZ-LN50VG																		
		MUZ-LN50VGHZ MUZ-LN60VG																		-
	FT Series	MUZ-FT25VGHZ																		
		MUZ-FT35VGHZ MUZ-FT50VGHZ																		
	A Series	MUZ-AP15VG																		\vdash
		MUZ-AP20VG																		
		MUZ-AP25VG MUZ-AP25VGH																		⊢
		MUZ-AP35VG																		
		MUZ-AP35VGH MUZ-AP42VG																		_
		MUZ-AP42VGH																		
		MUZ-AP50VG																		
		MUZ-AP50VGH MUZ-AP60VG																		
		MUZ-AP71VG																		
	E Series	MUZ-EF25VG MUZ-EF25VGH																		
		MUZ-EF35VG																		
		MUZ-EF35VGH																		
		MUZ-EF42VG MUZ-EF50VG																		
	BT Series	MUZ-BT20VG																		
		MUZ-BT25VG MUZ-BT35VG																		-
		MUZ-BT50VG																		\vdash
	HR Series	MUZ-HR25VF																		
IES		MUZ-HR35VF MUZ-HR42VF																		-
SERIES		MUZ-HR50VF																		
Σ		MUZ-HR60VF MUZ-HR71VF																		⊢
	TP Series	MUY-TP35VF																		
	FO :	MUY-TP50VF																		_
	F Series	MUZ-FH25VE MUZ-FH25VEHZ																		
		MUZ-FH35VE																		
		MUZ-FH35VEHZ MUZ-FH50VE																		
		MUZ-FH50VEHZ																		
	S Series	MUZ-SF25VE MUZ-SF25VEH																		
		MUZ-SF35VE																		
		MUZ-SF35VEH																		
		MUZ-SF42VE MUZ-SF42VEH																		
		MUZ-SF50VE																		
	G Series	MUZ-SF50VEH MUZ-GF60VE																		
		MUZ-GF71VE																		
	W Series	MUZ-WN25VA																		F
	D Series	MUZ-WN35VA MUZ-DM25VA																		\vdash
		MUZ-DM35VA																		
	H Series	MUZ-HJ25VA MUZ-HJ35VA																		\vdash
		MUZ-HJ50VA																		
		MUZ-HJ60VA MUZ-HJ71VA																		\vdash
	Compact	MUFZ-KJ25VE																		
	floor	MUFZ-KJ25VEHZ																		
		MUFZ-KJ35VE MUFZ-KJ35VEHZ																		
		MUFZ-KJ50VE																		
_		MUFZ-KJ50VEHZ																		
S :	SERIES (2)	SUZ-M25VA SUZ-M35VA													•					
1110	-,	SUZ-M50VA																		
		SUZ-M60VA SUZ-M71VA																		
Ps	SERIES	SUZ-KA25VA6																		
	10A)	SUZ-KA35VA6													•					
		SUZ-KA50VA6 SUZ-KA60VA6																		\vdash
		SUZ-KA71VA6																		

	Air Outlet Guide MAC- MAC- MAC- MAC- MAC- PAC- PAC- PAC- PAC- 881 882 856 886 883 SJ07 SG59 SH5 SG SG SG-E SG-E SG-E SG-E SG-E SG-E SG-				Air Pro	otection	Guide	Dra	ain Soc	ket	р	Freeze- reventio Heater Drain P	n	Centra	ilized Dra	ain Pan	M-NET Adapter	M-N Conv		Control/ Service Tool	Step Interface 1 PC board w/attach- ment kit	Insul: fc Accum	ation or nulator	High Static Fan Motor				
	MAC- 881 SG	MAC- 882 SG	MAC- 856 SG	MAC- 886 SG-E	MAC- 883 SG	PAC- SJ07 SG-E	PAC- SG59 SG-E	PAC- SH96 SG-E	PAC- SJ06 AG-E	PAC- SH63 AG-E	PAC- SH95 AG-E	PAC- SJ08 DS-E	PAC- SG60 DS-E	PAC- SG61 DS-E	MAC- 643 BH-E	MAC- 644 BH-E	MAC- 646 BH-E	PAC- SG63 DP-E	PAC- SG64 DP-E	PAC- SH97 DP-E	PAC- IF01 MNT-E	PAC- SJ96 MA-E	PAC- SJ95 MA-E	PAC- SK52ST	PAC- IF012 B-E	MAC- 892 INS-E	MAC- 893 INS-E	PAC- SJ71 FM-E
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Optional Parts List <Outdoor>

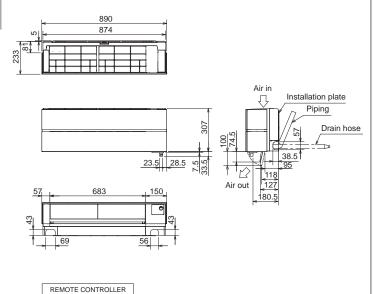
$\overline{}$	Option			Di	istribut	ion Pip	е			Bra	nch Pip	oe/Hea	der (Jo	oint)					Joint	_	11-9	10-9	10-9	11-2	Liquid F	Refrigerar	nt Drye
			For	Twin		For '	Triple		or		ase sing	Branch	.,			ø6.35	Unit ø			Unit ø9.52					For	For	For
				:50)			3:33)		druple :25:25)	2-br	anch xes	Pipe	Hea	ider	Pipe s		Pipe a	ð12.7	> Pipe	> Pipe ø15.88	> Pipe	> Pipe		> Pipe	pipe ø6.35	pipe ø9.52	pipe ø12.
			MODD	HODD		LIODT	LIODT	HODE	LIODE	Flare	Brazing	CMY-	CMY-	CMY-	PAC-	PAC-	PAC-		PAC-			Flare			PAC-	PAC-	PAC
utdoor Unit		MSDD- 50TR-E	MSDD- 50TR2-E					MSDF- 1111R-E		MSDD- 50AR-E	MSDD- 50BR-E	Y62- G-E	Y64- G-E	Y68- G-E	SG72	SG87		SG88	SG75	SG76 RJ-E	PAC- 493 PI	A454	MAC- A455 JP-E	A456	SG81	SG82 DR-E	SG8
Power Inverter	PUZ-ZM35VKA PUZ-ZM50VKA															•				IXO L		01 L	01 L	01	•		
(R32)	PUZ-ZM60VHA															•		•							•		
	PUZ-ZM71VHA	-	•															•								•	
	PUZ-ZM100VKA		•				•											•								•	
	PUZ-ZM100YKA																										
	PUZ-ZM125VKA	_	•				•		•									•								•	
	PUZ-ZM125YKA PUZ-ZM140VKA	-	•				•		•									•								•	
	PUZ-ZM140VKA PUZ-ZM140YKA		0				•		•									•								•	
	PUZ-ZM200YKA				•		•		•																	Ť	
	PUZ-ZM250YKA				•																						
Power	PUHZ-ZRP35VKA2																								•		
Inverter (R410A)	PUHZ-ZRP50VKA2	_													•										•		
(K410A)	PUHZ-ZRP60VHA2 PUHZ-ZRP71VHA2																•		•							•	
	PUHZ-ZRP100VKA3					•											•		•								
	PUHZ-ZRP100YKA3					•											•		•							•	
	PUHZ-ZRP125VKA3	•				•		•									•		•							•	
	PUHZ-ZRP125YKA3					•		•									•									•	
	PUHZ-ZRP140VKA3	0				•		•									•		•								
	PUHZ-ZRP140YKA3 PUHZ-ZRP200YKA3	•		•		•	_	•	_								•		•							•	\vdash
	PUHZ-ZRP250YKA3			•		•		•																			
Standard	PUZ-M100VKA		•	L																						•	
Inverter	PUZ-M125VKA		•																							•	
(R32)	PUZ-M140VKA		•																								
	PUZ-M100YKA		•																							•	
	PUZ-M125YKA PUZ-M140YKA		0																							•	
	PUZ-M200YKA				•		•		•																	•	
	PUZ-M250YKA				•		•		•																		•
Standard	PUHZ-P100VKA	•																									
Inverter	PUHZ-P125VKA	•																								•	
(R410A)	PUHZ-P140VKA	0				•																				•	
	PUHZ-P100YKA PUHZ-P125YKA	0																									
	PUHZ-P140YKA	•																								•	
	PUHZ-P200YKA3																									•	
	PUHZ-P250YKA3			•		•		•																			•
XZ SERIES	MXZ-2F33VF3	_																									
32)	MXZ-2F42VF3																					•					
	MXZ-2F53VF(H)3 MXZ-2F53VFHZ	1																				•					
	MXZ-3F54VF3																					•					
	MXZ-3F68VF3																			•	•	•					
	MXZ-4F72VF3																			•	•	•	•	•			
	MXZ-4F80VF3																			•	•	•	•	•			
	MXZ-4F83VF MXZ-4F83VFHZ	-																		•	•	•	•	•			
	MXZ-5F102VF																			•		•	•	•			
	MXZ-6F122VF																			•	•	•	•	•			
	MXZ-2HA40VF																										
	MXZ-2HA50VF																										
<i>(</i> 7	MXZ-3HA50VF MXZ-2D33VA	₩																									
(Z SERIES 10A)	MXZ-2D42VA2																										
lok)	MXZ-2D53VA(H)2																					•					
	MXZ-2E53VAHZ																					•					
	MXZ-3E54VA																										
	MXZ-3E68VA	-																		•	•	•					
	MXZ-4E72VA MXZ-4E83VA	-																		•	•	0	•	0			
	MXZ-4E83VAHZ																			•	•	•	•	•			
	MXZ-5E102VA																			•	•	•	•	•			
	MXZ-6D122VA2																			•			•	•			
	MXZ-2DM40VA																										
	MXZ-3DM50VA	-																				•					
MY Series I10A)	PUMY-SP112VKM(-BS) PUMY-SP112YKM(-BS)									0	•	•	•	•													
FIOA)	PUMY-SP125VKM(-BS)									•	•	•	•	•													
	PUMY-SP125YKM(-BS)									•	•	•	•	•													
	PUMY-SP140VKM(-BS)									•	•	•	•	•													
	PUMY-SP140YKM(-BS)									•	•	•	•	•													
	PUMY-P112VKM5(-BS)									•	•	•	•	•			•		•								
	PUMY-P112YKM(E)4(-BS)	-		-	-	-			-	•	•	•	•	•			•	\vdash	•							\vdash	
	PUMY-P125VKM5(-BS) PUMY-P125YKM(E)4(-BS)									•	•	•		•			•		•								
											•	•	•	•			•										
	PUMY-P14()VKM5(-BS)					1			_	_			_	_		1	_		_								-
	PUMY-P140VKM5(-BS) PUMY-P140YKM(E)4(-BS)										•	•		•													
										•	•	•	•	•			•		•								
OWERFUL EATING	PUMY-P140YKM(E)4(-BS)	•								_	_	_		_			_									•	

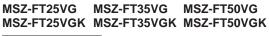
	Branch Box	Reactor Box		Diff	erent Diameter	Joint	
	Outer Cover	Reactor Box	ø9.52>ø12.7	ø12.7>ø9.52	ø12.7>ø15.88	ø6.35>ø9.52	ø9.52>ø15.88
	PAC- AK350CVR-E	PAC- RB01BC	MAC- A454JP	MAC- A455JP	MAC- A456JP	PAC- 493PI	PAC- SG76RJ-E
PAC-MK34BC (Flare)	•	•	•	•	•	•	•
PAC-MK54BC (Flare)	•	•	•	•	•	•	•

State Stat	Air Outlet Guide		·	Air Out	let Gui	de		Air Pro	otection	Guide	Dra	ain Soc	ket				ention lain Par	Heater			entraliz Irain Pa		M-NET Adapter	M-N Conv		Control/ Service Tool	St Inter 1 PC w/at mer	face board tach-	Insu fe Accu	lation or mlator	Con- nection Kit	High Static Fan Motor
	881 882	856	886	883	SJ07 SG-E	SG59 SG-E	SH96 SG	SJ06 AG-E	SH63 AG-E	SH95 AG-E	SJ08 DS-E	SG60	SG61 DS-E	643	644	645	646	SJ10	SJ20	SG63 DP-E	SG64 DP-E	SH97 DP-E	IF01	SJ96 MA-E	SJ95 MA-E	SK52 ST	IF012	B-E	892	893	LV11	PAC-SJ71 FM-E
							0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
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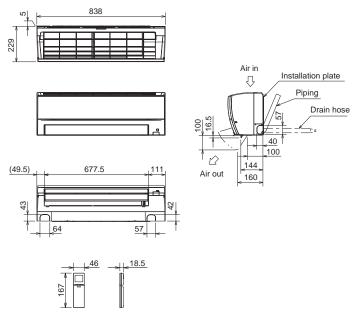
$$\label{eq:msz-ln25vg2} \begin{split} \mathsf{MSZ}\text{-}\mathsf{LN25vG2}(\mathsf{W})(\mathsf{V})(\mathsf{R})(\mathsf{B}) & \; \mathsf{MSZ}\text{-}\mathsf{LN35vG2}(\mathsf{W})(\mathsf{V})(\mathsf{R})(\mathsf{B}) \\ \mathsf{MSZ}\text{-}\mathsf{LN50vG2}(\mathsf{W})(\mathsf{V})(\mathsf{R})(\mathsf{B}) & \; \mathsf{MSZ}\text{-}\mathsf{LN60vG2}(\mathsf{W})(\mathsf{V})(\mathsf{R})(\mathsf{B}) \end{split}$$

INDOOR UNIT





INDOOR UNIT



MSZ-AP15VG MSZ-AP20VG

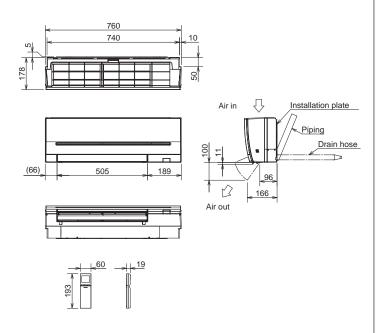
IN CASE OF (W)

IN CASE OF (V)(R)(B)

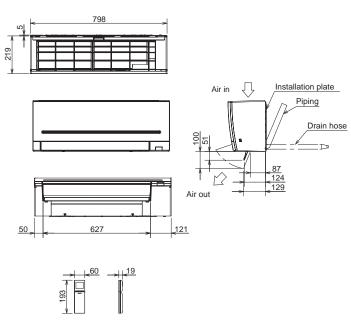
INDOOR UNIT

193

193

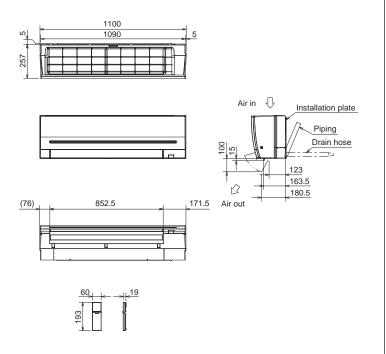


MSZ-AP25VG MSZ-AP35VG MSZ-AP42VG MSZ-AP50VG MSZ-AP25VGK MSZ-AP35VGK MSZ-AP42VGK MSZ-AP50VGK



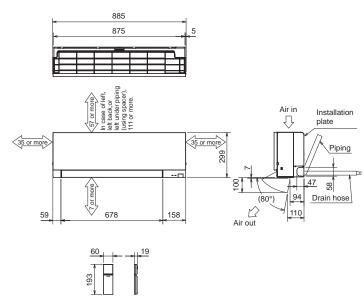
MSZ-AP60VG MSZ-AP71VG MSZ-AP60VGK MSZ-AP71VGK

INDOOR UNIT



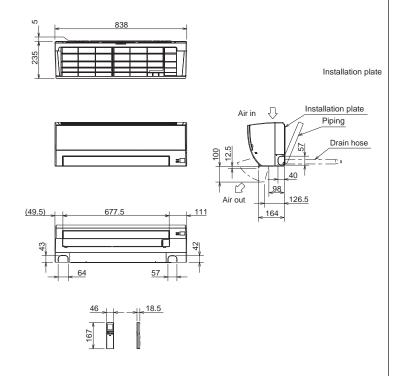
MSZ-EF18VG(W)(B)(S)
MSZ-EF25VG(W)(B)(S)
MSZ-EF35VG(W)(B)(S)
MSZ-EF42VG(W)(B)(S)
MSZ-EF18VGK(W)(B)(S)
MSZ-EF25VGK(W)(B)(S)
MSZ-EF25VGK(W)(B)(S)
MSZ-EF25VGK(W)(B)(S)
MSZ-EF42VGK(W)(B)(S)
MSZ-EF50VGK(W)(B)(S)

INDOOR UNIT



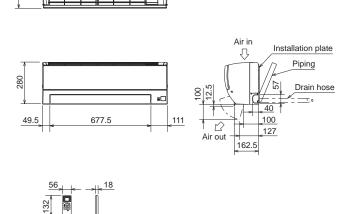
MSZ-BT20VG MSZ-BT25VG MSZ-BT35VG MSZ-BT50VG MSZ-BT20VGK MSZ-BT25VGK MSZ-BT35VGK MSZ-BT50VGK

INDOOR UNIT



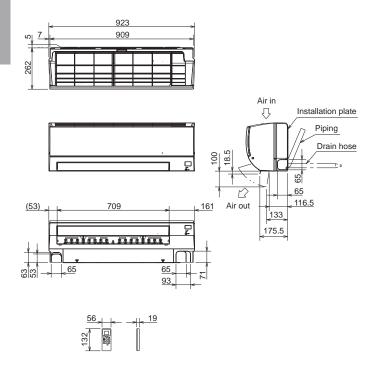
MSZ-HR25VF MSZ-HR35VF MSZ-HR42VF MSZ-HR50VF

838



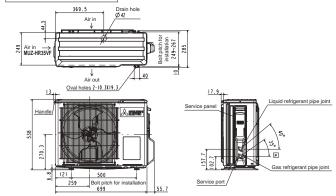
MSZ-HR60VF MSZ-HR71VF

INDOOR UNIT



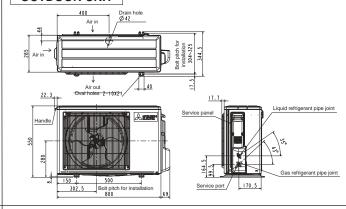
MUZ-HR25VF MUZ-HR35VF MUZ-BT20VG MUZ-BT25VG MUZ-BT35VG

OUTDOOR UNIT



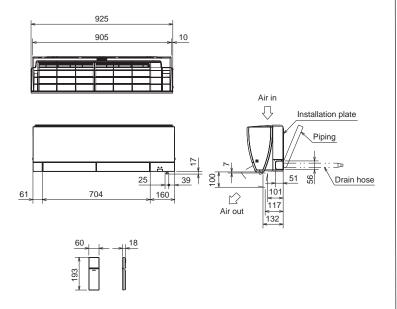
MUZ-HR42VF MUZ-HR50VF

OUTDOOR UNIT

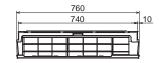


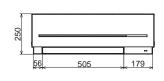
MSZ-FH25VE2 MSZ-FH35VE2 MSZ-FH50VE2

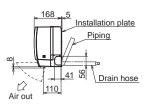
INDOOR UNIT



MSZ-SF15VA MSZ-SF20VA





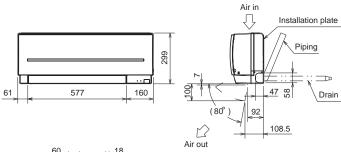




MSZ-SF25VE3 MSZ-SF35VE3 MSZ-SF42VE3 MSZ-SF50VE3

INDOOR UNIT

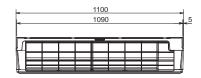


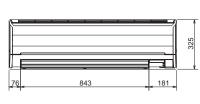




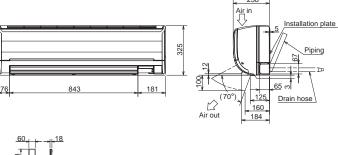
MSZ-GF60VE2 MSZ-GF71VE2

INDOOR UNIT



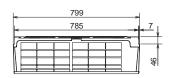


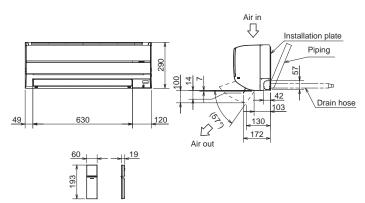




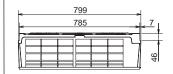
MSZ-WN25VA MSZ-WN35VA

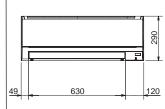
INDOOR UNIT



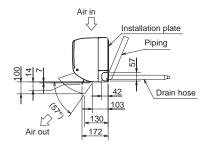


MSZ-DM25VA MSZ-DM35VA

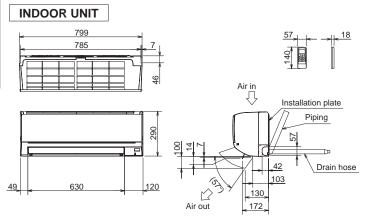




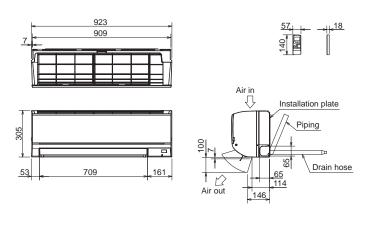




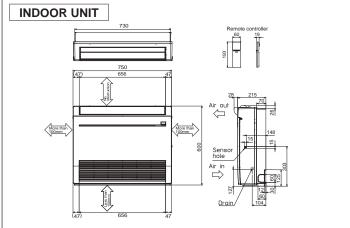
MSZ-HJ25VA MSZ-HJ35VA MSZ-HJ50VA



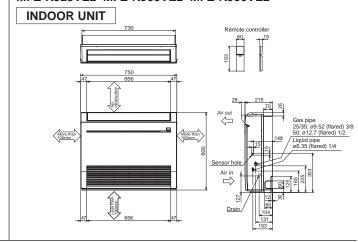
MSZ-HJ60VA MSZ-HJ71VA MSY-TP35VF MSY-TP50VF



MFZ-KT25VG MFZ-KT35VG MFZ-KT50VG MFZ-KT60VG



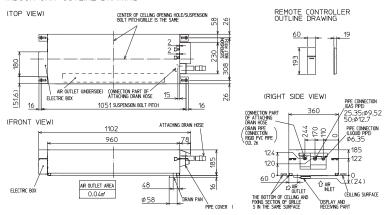
MFZ-KJ25VE2 MFZ-KJ35VE2 MFZ-KJ50VE2



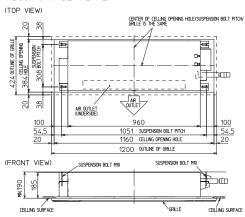
MLZ-KP25VF MLZ-KP35VF MLZ-KP50VF

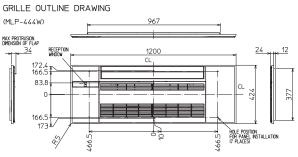
INDOOR UNIT



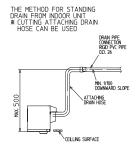


INDOOR UNIT DETAIL VIEW





		KP25/35VF	KP50VF				
EXTENSION	LIQUID PIPE 0.D.	φ6	.35				
PIPE	GAS PIPE O.D.	ø9.52	ø12.7				
CONNECTIONS	LIQUID PIPE	FLARED CONNECTION Ø6.35					
OF PIPE	GAS PIPE	Flared connection Ø9.52	FLARED CONNECTION Ø12.7				
DRAIN HOSE		HEAT INSULATER O.D. CONNECT Ø32 Ø2					
DRAIN PIPE CO	DNNECTION	RIGID PVC PIPE	O.D. 26				

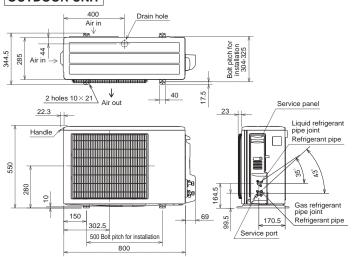


MUZ-AP71VG

MUZ-LN25VGHZ MUZ-LN25VG **MUZ-LN35VG MUZ-LN35VGHZ MUZ-AP20VG MUZ-AP25VG MUZ-AP25VGH MUZ-AP35VGH MUZ-AP35VG MUZ-AP42VG MUZ-AP42VGH MUZ-HR42VF MUZ-FT25VGHZ MUZ-HR50VF MUZ-FH25VE MUZ-FH35VE MUZ-FH25VEHZ MUZ-FH35VEHZ MUZ-EF25VG** MUZ-EF25VGH **MUY-TP50VF** MUZ-EF35VGH **MUZ-EF35VG MUZ-EF42VG MUY-TP35VF MUZ-SF35VE MUZ-SF25VEH MUZ-SF25VE MUZ-SF42VEH MUZ-SF35VEH MUZ-SF42VE MUZ-HJ50VA MUFZ-KJ25VE MUFZ-KJ35VE**

OUTDOOR UNIT

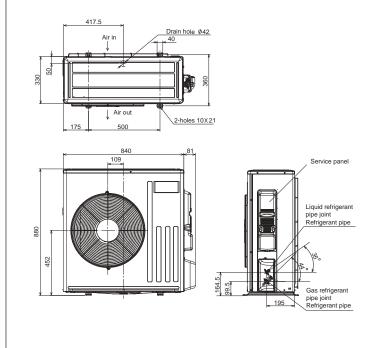
MUFZ-KJ25VEHZ MUFZ-KJ35VEHZ



MUZ-BT50VG

MUZ-LN50VGHZ MUZ-LN60VG MUZ-FH50VE MUZ-FH50VEHZ MUZ-SF50VE MUZ-SF50VEH MUZ-GF60VE MUZ-GF71VE MUZ-HJ71VA MUFZ-KJ50VEHZ

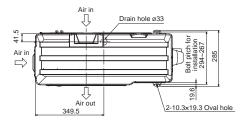
OUTDOOR UNIT

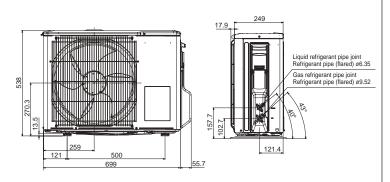


MUZ-AP60VG

MUZ-WN25VA MUZ-WN35VA MUZ-HR25VF MUZ-BT20VG MUZ-DM25VA MUZ-DM35VA MUZ-HR35VF MUZ-BT25VG MUZ-BT35VG MUZ-AP15VG

OUTDOOR UNIT

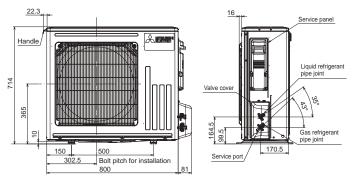




MUZ-LN50VG
MUZ-FT35/50VGHZ
MUZ-AP50VG MUZ-AP50VGH
MUZ-EF50VG
MUZ-HR60VF MUZ-HR71VF
OUTDOOR UNIT

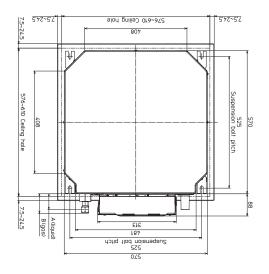
Air out
Oval holes 2-10x21

Oval holes 2-10x21

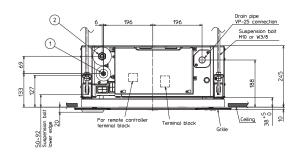


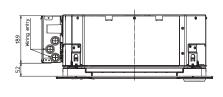
SLZ-M15FA SLZ-M25FA SLZ-M35FA SLZ-M50FA SLZ-M60FA

INDOOR UNIT

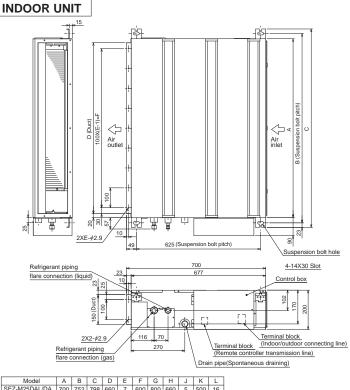


Models	Refrigerent pipe (liquid)	② Refrigerent pipe (gas)	Α	В
SLZ-M15FA SLZ-M25FA SLZ-M35FA			63mm	72mm
SLZ-M50FA		φ 12.7mm flared connection 1/2F	63mm	78mm
SLZ-M60FA		\$\phi\$ 15.88mm flared connection 5/8F	63mm	78mm





SEZ-M25DA(L) SEZ-M35DA(L) SEZ-M50DA(L) SEZ-M60DA(L) SEZ-M71DA(L)



Α	В	С	D	Е	F	G	Н	J	K	L
700	752	798	660	7	600	800	660	5	500	16
000	052	000	960	0	900	1000	000	7	700	20
900	952	330	000	9	000	1000	000	'	700	20
4400	4450	4400	4000		4000	4000	4000	_	200	24
1100	1152	1198	1060	11	1000	1200	1060	9	900	24
	900	700 752 900 952	700 752 798 900 952 998	700 752 798 660 900 952 998 860	700 752 798 660 7 900 952 998 860 9	700 752 798 660 7 600 900 952 998 860 9 800	700 752 798 660 7 600 800 900 952 998 860 9 800 1000	700 752 798 660 7 600 800 660 900 952 998 860 9 800 1000 860	700 752 798 660 7 600 800 660 5 900 952 998 860 9 800 1000 860 7	700 752 798 660 7 600 800 660 5 500 900 952 998 860 9 800 1000 860 7 700

Notes:

1. Use MPI to botts for suspension (purchase locally).

2. Keep service space for maintenance at the bottom.

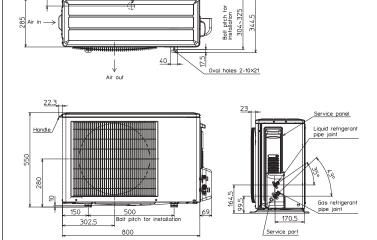
3. This chart is based on the SEZ-M50DAL/DA, which has three fans.

SEZ-M2S, SDAL/DA has two fans, and SEZ-M50, 71DAL/DA has four fans.

4. If an inlet duct is used, remove the air filter supplied with the unit, and install a locally purchased filter on the suction side.

SUZ-M25VA SUZ-M35VA

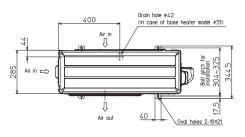
OUTDOOR UNIT

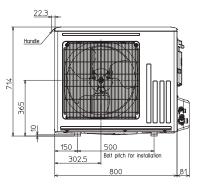


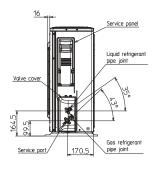
Drain hole #42 (In case of Heater models #33)

SUZ-M50VA

OUTDOOR UNIT

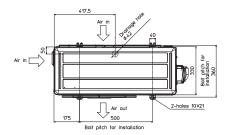


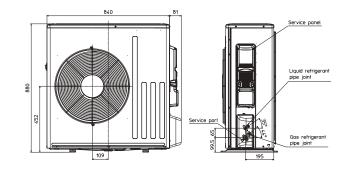




SUZ-M60VA SUZ-M71VA

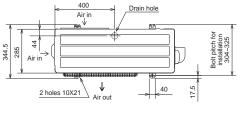
INDOOR UNIT

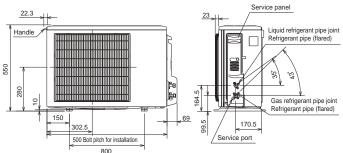




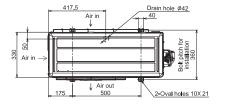
SUZ-KA25VA6 SUZ-KA35VA6

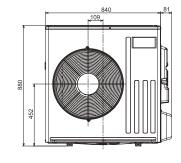
INDOOR UNIT

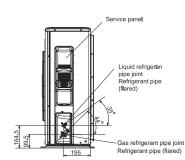




SUZ-KA50VA6 SUZ-KA60VA6 SUZ-KA71VA6

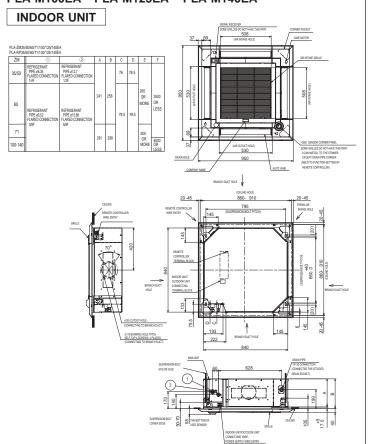




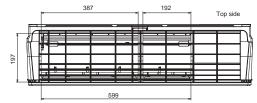


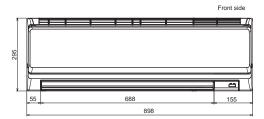
P SERIES Unit: mm

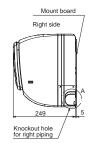
PLA-ZM35EA PLA-ZM50EA PLA-ZM60EA PLA-ZM71EA PLA-ZM100EA PLA-ZM125EA PLA-ZM140EA PLA-M35EA PLA-M50EA PLA-M60EA PLA-M71EA PLA-M100EA PLA-M125EA PLA-M140EA



PKA-M35HA(L) PKA-M50HA(L) INDOOR UNIT

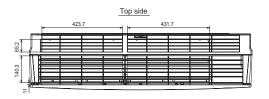


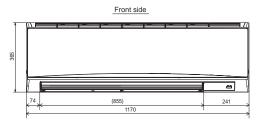


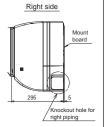


PKA-M60KA(L) PKA-M71KA(L) PKA-M100KA(L)

INDOOR UNIT

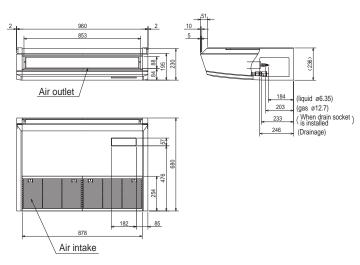






PCA-M35KA PCA-M50KA

INDOOR UNIT

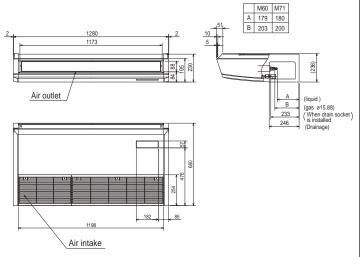


NOTES.

- 1.Use M10 or W3/8 screw for anchor bolt.
- 2.Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.

PCA-M60KA PCA-M71KA

INDOOR UNIT



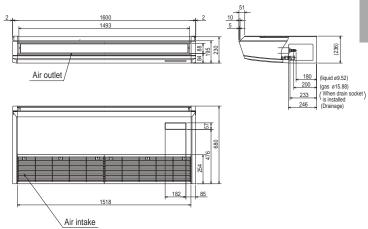
NOTES.

- 1.Use M10 or W3/8 screw for anchor bolt.
- 2.Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.

Use the current nuts meeting the pipe size of the outdoor unit. Available pipe size

PCA-M100KA PCA-M125KA PCA-M140KA

INDOOR UNIT

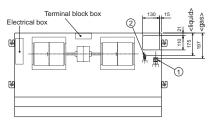


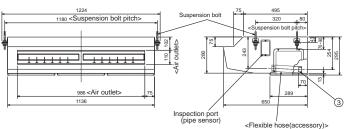
NOTES.

- 1.Use M10 or W3/8 screw for anchor bolt.
- 2. Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.

PCA-M71HA

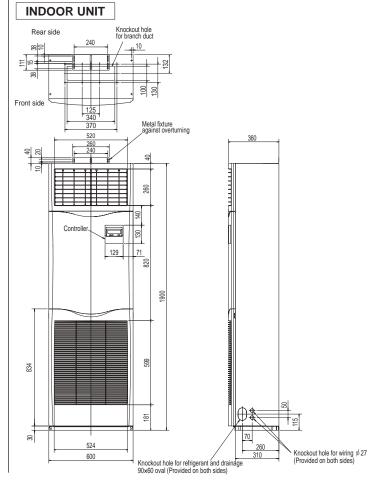
INDOOR UNIT





- ①Refrigerant pipe connection(gas pipe side/flared connection)
 ②Refrigerant pipe connection(liquid pipe side/flared connection)
 ③Flexible hose(accessory) —Drainage pipe connection

PSA-RP71KA PSA-RP100KA PSA-RP125KA PSA-RP140KA



Terminal block

(Indoor/Outdoor connecting line)

Drain pipe (O.D.ø32)

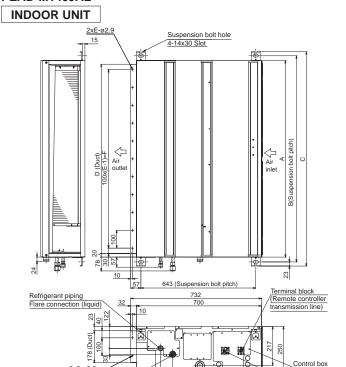
A B C D E F 900 954 1000 860 9 800

1100 1154 1200 1060 11 1000

PEAD-M35JA PEAD-M50JA PEAD-M60JA PEAD-M71JA PEAD-M100JA PEAD-M125JA PEAD-M140JA

INDOOR UNIT Suspension bolt hole 4-14x30 Slot A B(Suspension bolt pitch) Air outlet 20 33 ₩ 10 28 643 (Suspension bolt pitch) Terminal block (Remote controller transmission line) Drain pipe Drain pump (O.D.ø32) Control box 2x2-ø2.9 Drain pipe (O.D.ø32) (Spontaneous draining) Refrigerant piping Flare connection (gas) connecting line) A B C D E F G 900 954 1000 860 9 800 858 Model PEAD-M35, 50JA PEAD-M60JA 1100 1154 1200 1060 11 1000 1058 PEAD-M71JA PEAD-M100, 125JA 1400 1454 1500 1360 14 PEAD-M140JA 1600 1654 1700 1560 16

PEAD-M35JAL PEAD-M50JAL PEAD-M60JAL PEAD-M71JAL PEAD-M100JAL PEAD-M125JAL PEAD-M140JAL



136

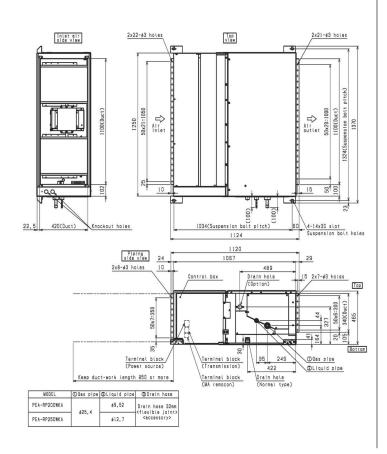
PEAD-M60JAL

PEAD-M71JAL | 1100 | 1154 | 1200 | PEAD-M100, 125JAL | 1400 | 1454 | 1500 | PEAD-M140JAL | 1600 | 1654 | 1700 | 1654 | 1700 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 16

2x2-ø2.9

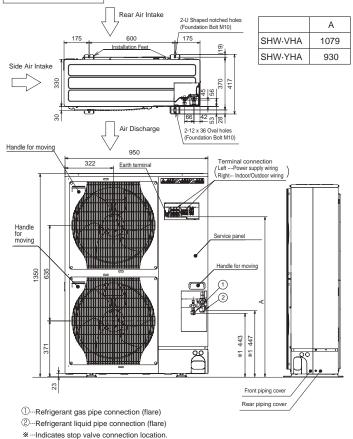
Refrigerant piping Flare connection (gas)

PEA-RP200WKA PEA-RP250WKA

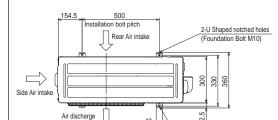


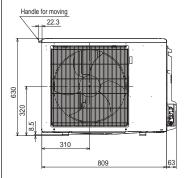
PUHZ-SHW112VHA PUHZ-SHW112YHA PUHZ-SHW140YHA

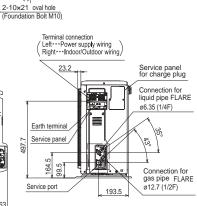
OUTDOOR UNIT



PUZ-ZM35VKA PUZ-ZM50VKA OUTDOOR UNIT

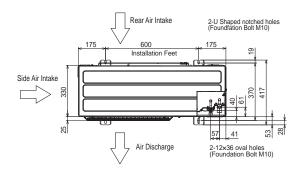


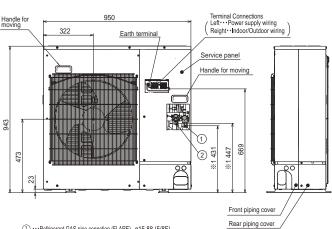




PUZ-ZM60VHA PUZ-ZM71VHA

OUTDOOR UNIT

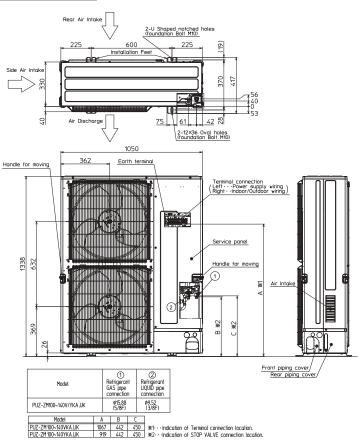




※ 1 · · · Indication of STOP VALVE connection location.

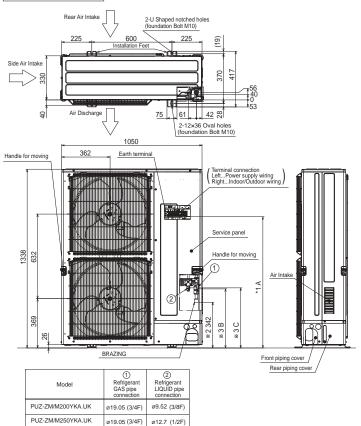
PUZ-ZM100VKA PUZ-ZM125VKA PUZ-ZM140VKA PUZ-ZM100YKA PUZ-ZM125YKA PUZ-ZM140YKA

OUTDOOR UNIT



PUZ-ZM200YKA PUHZ-ZM250YKA

OUTDOOR UNIT



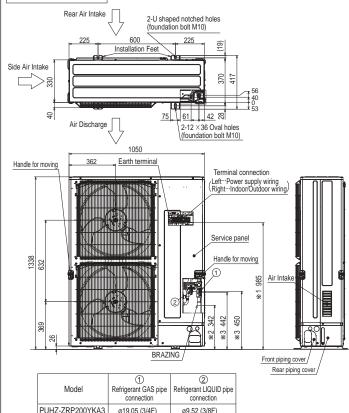
A B C *1...Indication of Terminal connection location.

985 442 450 *2...Refrigerant GAS PIPE connection (BRAZING) O.Dø25.4.

*3...Indication of STOP VALVE connection location.

PUHZ-ZRP200YKA3 PUHZ-ZRP250YKA3

OUTDOOR UNIT



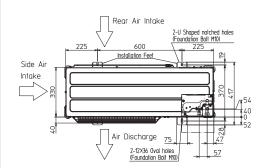
- PUHZ-ZRP200YKA3 ø19.05 (3/4F) ø9.52 (3/8F) PUHZ-ZRP250YKA3 ø19.05 (3/4F)
- *1...Indication of Terminal connection location
- **2:--Refrigerant GAS pipe connection (BRAZING) O.Dø25.4.

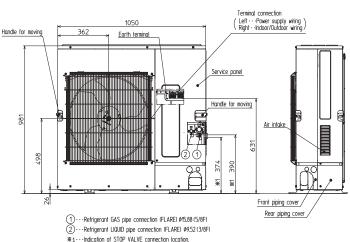
 **3:--Indication of STOP VALVE connection location.

PUHZ-P100VKA PUHZ-P100YKA

PUHZ-P125VKA PUHZ-P125YKA PUHZ-P140VKA PUHZ-P140YKA

OUTDOOR UNIT

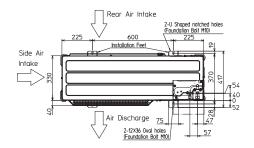


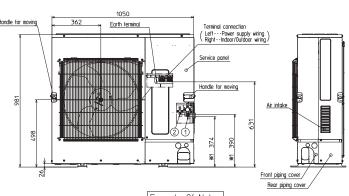


PUZ-M100VKA PUZ-M100YKA PUZ-M125VKA PUZ-M125YKA PUZ-M140VKA PUZ-M140YKA

OUTDOOR UNIT

Model



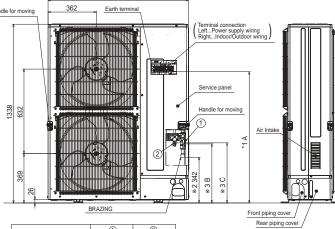


Example Of Notes

- ...Refrigerant GAS pipe connection (FLARE) Ø15.88 (5/8F)
 ...Refrigerant LIOUID pipe connection (FLARE) Ø9.52 (3/8F)
 *1...Indication of STOP VALVE connection location.

PUZ-M200YKA PUZ-M250YKA **OUTDOOR UNIT**

2-U Shaped notched holes (foundation Bolt M10) (19) Side Air Intake 417 370 330 Air Discharge 75 61 42 % 8 1050 362 Earth terminal Handle for moving



Model	(1) Refrigerant GAS pipe connection	2 Refrigerant LIQUID pipe connection	
PUZ-ZM/M200YKA.UK	ø19.05 (3/4F)	ø9.52 (3/8F)	
PUZ-ZM/M250YKA.UK	ø19.05 (3/4F)	ø12.7 (1/2F)	

Model

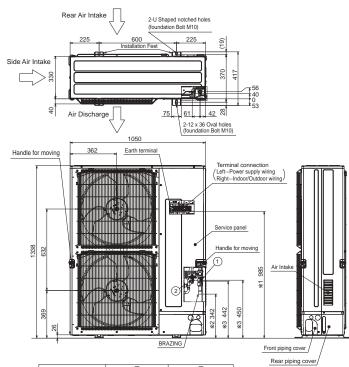
- A B C *1...Indication of Terminal connection location.

 985 442 450 *2...Refrigerant GAS PIPE connection (BRAZING) O.Dø25.4.

 *3...Indication of STOP VALVE connection location.

PUHZ-P200YKA3 PUHZ-P250YKA3

OUTDOOR UNIT



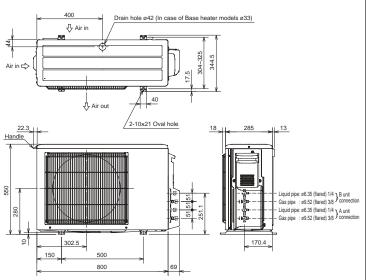
1 Refrigerant GAS pipe connection Model Refrigerant LIQUID pipe PUHZ-P200YKA3 ø19.05 (3/4F) ø9.52 (3/8F) PUHZ-P250YKA3 ø19.05 (3/4F) ø12.7 (1/2F)

- *1--Indication of Terminal connection location.
 *2--Refrigerant GAS pipe connection (BRAZING) O.Dø25.4.
 *3--Indication of STOP VALVE connection location.

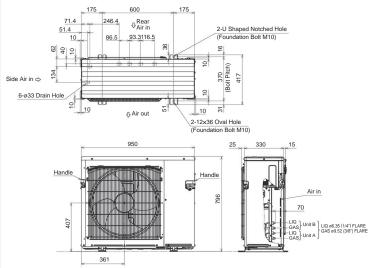
- Unit: mm

MXZ-2D33VA MXZ-2D42VA2 MXZ-2D53VA2 MXZ-2D53VAH2 MXZ-2DM40VA MXZ-2HA40VF MXZ-2HA50VF MXZ-2F33VF3 MXZ-2F42VF3 MXZ-2F53VF3 MXZ-2F53VFH3

OUTDOOR UNIT

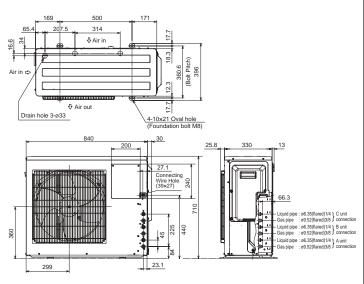


MXZ-2E53VAHZ MXZ-2F53VFHZ OUTDOOR UNIT



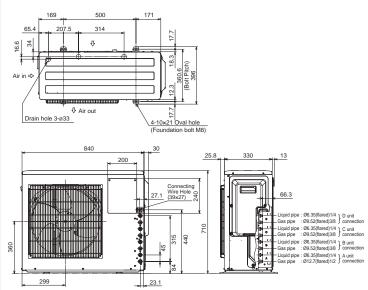
MXZ-3E54VA MXZ-3E68VA MXZ-3DM50VA MXZ-3HA50VF MXZ-3F54VF3 MXZ-3F68VF3

OUTDOOR UNIT

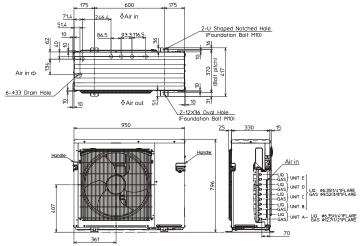


MXZ-4E72VA MXZ-4F72VF3 MXZ-4F80VF3

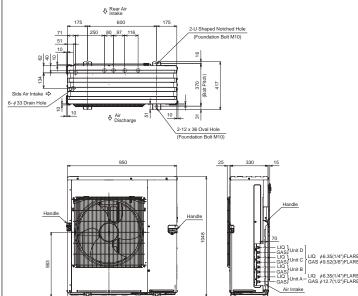
OUTDOOR UNIT



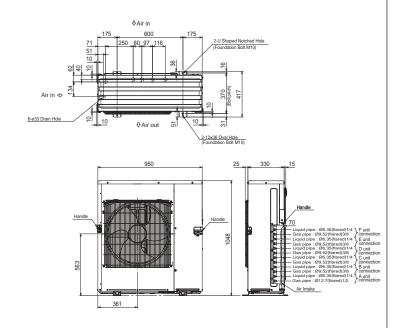
MXZ-4E83VA MXZ-5E102VA MXZ-4F83VF MXZ-5F102VF OUTDOOR UNIT



MXZ-4E83VAHZ MXZ-4F83VFHZ OUTDOOR UNIT

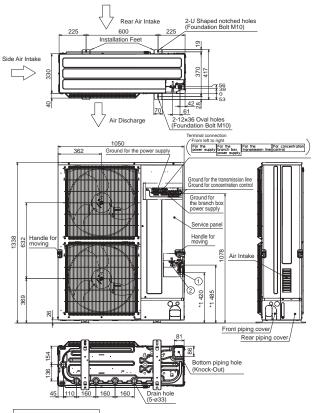


MXZ-6D122VA2 MXZ-6F122VF OUTDOOR UNIT



PUMY-P112/125/140VKM5(-BS)

OUTDOOR UNIT

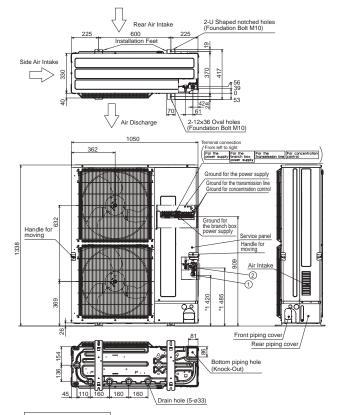


Example of Notes

N. Refrigerant GAS pipe connection (FLARE) ø15.88 (5/8F)
 Refrigerant LIQUID pipe connection (FLARE) ø9.52 (3/8F)
 Indication of STOP VALVE connection location.

PUMY-P112/125/140YKM(E)4(-BS)

OUTDOOR UNIT

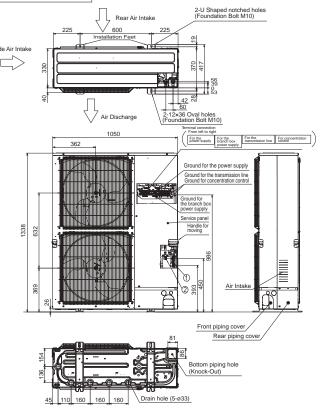


Example of Notes

- Refrigerant GAS pipe connection (FLARE) ø15.88 (5/8F)
 Refrigerant LIQUID pipe connection (FLARE) ø9.52 (3/8F)
 Indication of STOP VALVE connection location.

PUMY-P200YKM2(-BS)

OUTDOOR UNIT

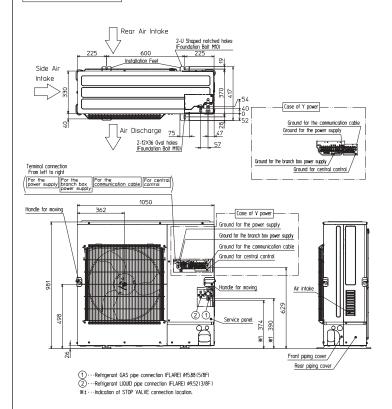


Example of Notes

Refrigerant GAS pipe connection (FLARE) ø19.05 (3/4F)
Refrigerant LIQUID pipe connection (FLARE) ø9.52 (3/8F)
Indication of STOP VALVE connection location.

PUMY-SP112/125/140VKM(-BS) PUMY-SP112/125/140YKM(-BS)

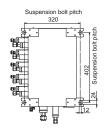
OUTDOOR UNIT

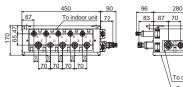


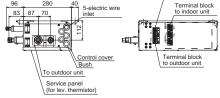
PAC-MK54BC

Suspension bolt: W3/W8 (M10)

Branch box







Suspension bolt : W3/8(M10)

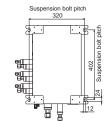
Refrigerant pipe flared connection

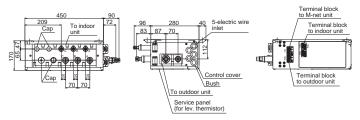
	Α	В	C	D	E	To outdoor unit
Liquid pipe	1/4F	1/4F	1/4F	1/4F	1/4F	3/8F
Gas pipe	3/8F	3/8F	3/8F	3/8F	1/2F	5/8F

PAC-MK34BC

Suspension bolt: W3/W8 (M10)

Branch box





Suspension bolt : W3/8(M10)

Refrigerant pipe flared connection

	Α	В	С		To outdoor unit
Liquid pipe	1/4F	1/4F	1/4F		3/8F
Gas pipe	3/8F	3/8F	3/8F		5/8F

Piping Installation

M SERIES

Single type

Series	Class	Maximum Piping Length (m)	Maximum Height Difference (m)	Maximum Number of Bends
Selles	<outdoor unit=""></outdoor>	Total length (A)	Outdoor unit - Indoor unit (H)	Total number
MSZ-L	25 / 35	20	12	10
	50	20	12	10
	60	30	15	10
MSZ-FT	25	20	12	10
	35 / 50	30	15	10
MSZ-A	15 / 25 / 35 / 42 / 50	20	12	10
	60 / 71	30	15	10
MSZ-EF	25 / 35 / 42	20	12	10
	50	30	15	10
MSZ-BT	20 / 25 / 35 / 50	20	12	10
MSZ-HR	25 / 35 / 42 / 50	20	12	10
	60 / 71	30	15	10
MSY-TP	35 / 50	20	12	10
MSZ-F MFZ	25 / 35	20	12	10
WIFZ	50	30	15	10
MSZ-S	25 / 35 / 42	20	12	10
	50 / 60	30	15	10
MSZ-G	60 / 71	30	15	
MSZ-W MSZ-D	25 / 35	20	12	10
MSZ-HJ	25 / 35 / 50	20	12	10
	60 / 71	30	15	10

S SERIES & P SERIES

Single type

Series	Class	Maximum Piping Length (m)	Maximum Height Difference (m)	Maximum Number of Bends
Series	<outdoor unit=""></outdoor>	Total length (A)	Outdoor unit - Indoor unit (H)	Total number
ZUBADAN (PUHZ-SHW)	80 / 112 / 140	75	30	15
Power Inverter (PUZ-ZM)	35 / 50	50	30	15
	60 / 71	55	30	15
	100 / 125 / 140	100	30	15
Power Inverter (PUHZ-ZRP)	35 / 50 / 60 / 71	50	30	15
	100 / 125 / 140	75	30	15
	200 / 250	100	30	15
Standard Inverter (PUZ-M & SUZ-M)	25 / 35	20	12	10
	50 / 60 / 71	30	30	10
	100	55	30	45
	125 / 140	65	30	15
Standard Inverter (PUHZ-P & SUZ-KA)	25 / 35	20	12	10
	50 / 60 / 71	30	30	10
	100 / 125 / 140	50	30	15
	200 / 250	70	30	15

Twin type

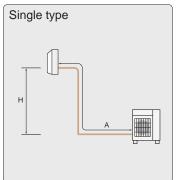
		Ma	ximum Piping Length	(m)	Maximum Heigh	Maximum Number of Bends	
Series	Class <outdoor unit=""></outdoor>	Total length A+B+C	Pipe length difference from distribution pipe B-C	Indoor unit - Distribution pipe B	Outdoor unit - Indoor unit H	Indoor unit - Indoor unit h	Total number
ZUBADAN (PUHZ-SHW)	80 / 112 / 140	75	8	20	30	1	15
Power Inverter (PUZ-ZM)	71	55	8	20	30	1	15
	100 / 125 / 140	100	8	20	30	1	15
	200 / 250						
Power Inverter (PUHZ-ZRP)	71	50	8	20	30	1	15
	100 / 125 / 140	75	8	20	30	1	15
	200 / 250	100	8	30	30	1	15
Standard Inverter (PUZ-M)	100	55					
	125 / 140	65	8	20	30	1	15
	200 / 250						
Standard Inverter (PUHZ-P)	100 / 125 / 140	50	8	20	30	1	15
	200 / 250	70	8	30	30	1	15

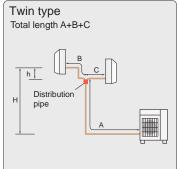
Triple type

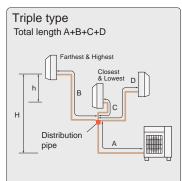
		Ma	ximum Piping Length	(m)	Maximum Heigh	Maximum Number of Bends	
Series	Class <outdoor unit=""></outdoor>	Total length A+B+C+D	Pipe length difference from distribution pipe B-C	Indoor unit - Distribution pipe B	Outdoor unit - Indoor unit H	Indoor unit - Indoor unit h	Total number
Power Inverter (PUZ-ZM)	140	100	8	20	30	1	15
	200 / 250						
Power Inverter (PUHZ-ZRP)	140	75	8	20	30	1	15
	200 / 250	100	8	30	30	1	15
Standard Inverter (PUZ-M)	140	65	8	20	30	1	15
	200 / 250						
Standard Inverter (PUHZ-P)	140	50	8	20	30	1	15
	200 / 250	70	8	28	30	1	15

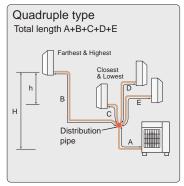
Quadruple type

	Class <outdoor unit=""></outdoor>	Ma	ximum Piping Length	(m)	Maximum Heigh	Maximum Number of Bends	
Series		Total length A+B+C+D+E	Pipe length difference from distribution pipe B-C	Indoor unit - Distribution pipe B	Outdoor unit - Indoor unit H	Indoor unit - Indoor unit h	Total number
Power Inverter (PUZ-ZM, PUHZ-ZRP)	200 / 250	100	8	30	30	1	15
Standard Inverter (PUZ-M, PUHZ-P)	200 / 250	70	8	22	30	1	15









MXZ SERIES

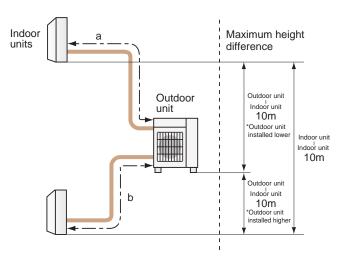
MXZ-2D33VA, MXZ-2F33VF3

Maximum Piping Length	
Outdoor unit - Indoor unit (a,b)	15m
Total length (a+b)	20m

Maximum Number of Bends	
Outdoor unit - Indoor unit (a,b)	15
Total number (a+b)	20

^{*} When connecting MFZ-KJ Series indoor unit, additional refrigerant is required. For details, please contact Mitsubishi Electric.

Regarding MXZ-2D33, the second unit should be a different type in the case of selecting one MFZ-KJ.



MXZ-2D42VA2, MXZ-2F42VF3

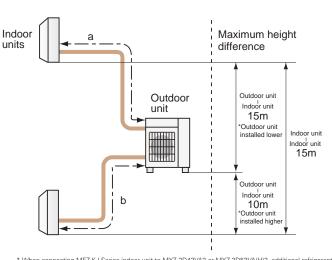
Maximum Piping Length	
Outdoor unit - Indoor unit (a,b)	20m
Total length (a+b)	30m

Maximum Number of Bends	
Outdoor unit - Indoor unit (a,b)	20
Total number (a+b)	30

MXZ-2D53VA(H)2, MXZ-2E53VAHZ, MXZ-2F53VF(H)3

Maximum Piping Length	
Outdoor unit - Indoor unit (a,b)	20m
Total length (a+b)	30m

Maximum Number of Bends	
Outdoor unit - Indoor unit (a,b)	20
Total number (a+b)	30



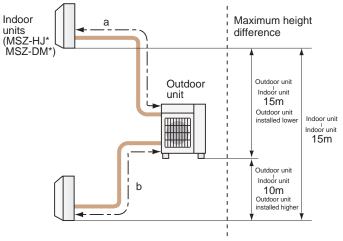
* When connecting MFZ-KJ Series indoor unit to MXZ-2D42VA2 or MXZ-2D53VA(H)2, additional refrigerant is required. For details, please contact Mitsubishi Electric.

MXZ SERIES

MXZ-2DM40VA, MXZ-2HA40VF, MXZ-2HA50VF

Maximum Piping Length	
Outdoor unit - Indoor unit (a,b)	20m
Total length (a+b)	30m

Maximum Number of Bends	
Outdoor unit - Indoor unit (a,b)	20
Total number (a+b)	30

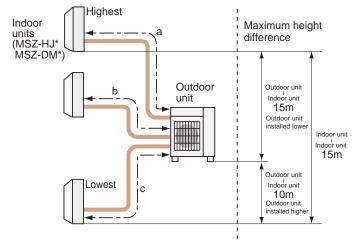


*Only MSZ-HJ and DM model is connectable.

MXZ-3DM50VA, MXZ-3HA50VF

Maximum Piping Length	
Outdoor unit - Indoor unit (a,b,c)	25m
Total length (a+b+c)	50m

Maximum Number of Bends	
Outdoor unit - Indoor unit (a,b,c)	25
Total number (a+b+c)	50



*Only MSZ-HJ and DM model is connectable.

MXZ-4E72VA, MXZ-4F72VF3

Maximum Piping Length	
Outdoor unit - Indoor unit (a,b,c,d)	25m
Total length (a+b+c+d)	60m

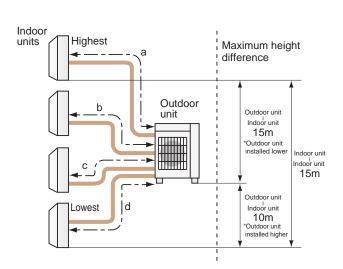
Maximum Number of Bends	
Outdoor unit - Indoor unit (a,b,c,d)	25
Total number (a+b+c+d)	60

^{*} When connecting MFZ-KJ Series indoor unit, additional refrigerant is required. For details, please contact Mitsubishi Electric.

MXZ-4E83VA, MXZ-4E83VAHZ

Maximum Piping Length	
Outdoor unit - Indoor unit (a,b,c,d)	25m
Total length (a+b+c+d)	70m

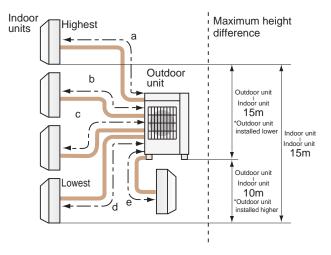
Maximum Number of Bends	
Outdoor unit - Indoor unit (a,b,c,d) 25	
Total number (a+b+c+d)	70



MXZ-5E102VA, MXZ-5F102VA

Maximum Piping Length	
Outdoor unit - Indoor unit (a,b,c,d,e)	25m
Total length (a+b+c+d+e)	80m

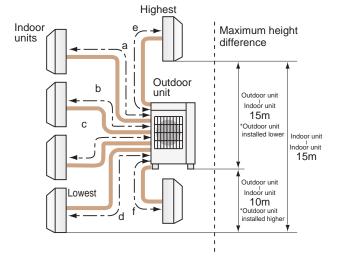
Maximum Number of Bends	
Outdoor unit - Indoor unit (a,b,c,d,e)	25
Total number (a+b+c+d+e)	80



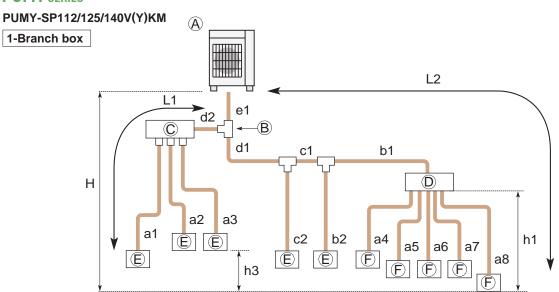
MXZ-6D122VA2, MXZ-6F122VF

Maximum Piping Length	
Outdoor unit - Indoor unit (a,b,c,d,e,f)	25m
Total length (a+b+c+d+e+f)	80m

Maximum Number of Bends	
Outdoor unit - Indoor unit (a,b,c,d,e,f)	25
Total number (a+b+c+d+e+f)	80



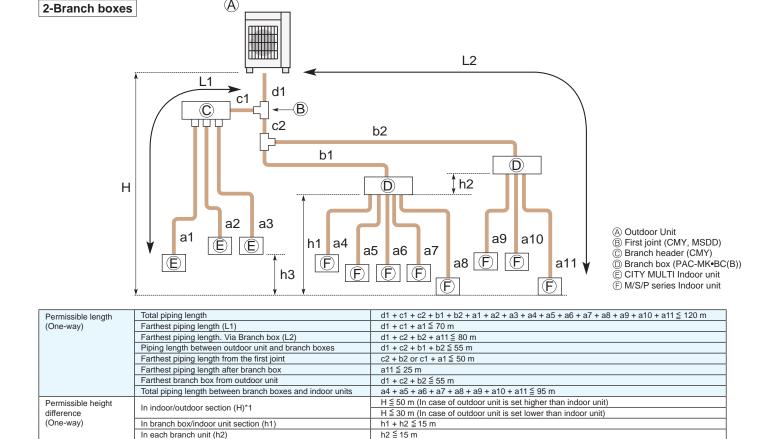
PUMY SERIES



- (A) Outdoor Unit
- B First joint (CMY, MSDD)
- © Branch header (CMY)
- Branch box (PAC-MK•BC(B))
- © CITY MULTI Indoor unit

Permissible length	Total piping length	e1 + d1 + d2 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 ≦ 120 m
(One-way)	Farthest piping length (L1)	e1 + d2 + a1 or e1 + d1 + c1 + b2 ≦ 70 m
	Farthest piping length. Via Branch box (L2)	e1 + d1 + c1 + b1 + a8 ≦ 50 m
	Piping length between outdoor unit and branch box	e1 + d1 + c1 + b1 ≦ 55 m
	Farthest piping length from the first joint	d1 + c1 + b1 or d1 + c1 + b2 ≤ 50 m
	Farthest piping length after branch box	a8 ≦ 25 m
	Total piping length between branch boxes and indoor units	a4 + a5 + a6 + a7 + a8 ≦ 95 m
Permissible height	In indees/outdees eastion (LI)*4	H ≦ 50 m (In case of outdoor unit is set higher than indoor unit)
difference (One-way)	In indoor/outdoor section (H)*1	H ≦ 30 m (In case of outdoor unit is set lower than indoor unit)
	In branch box/indoor unit section (h1)	h1 ≦ 15 m
	In each indoor unit (h3)	h3≦12 m
Number of bends		$ e1 + d2 + a1 , e1 + d2 + a2 , e1 + d2 + a3 , e1 + d1 + c2 , e1 + d1 + c1 + b2 , \\ e1 + d1 + c1 + b1 + a4 , e1 + d1 + c1 + b1 + a5 , e1 + d1 + c1 + b1 + a6 , \\ e1 + d1 + c1 + b1 + a7 , e1 + d1 + c1 + b1 + a8 \le 15 $

*1: Branch box should be placed within the level between the outdoor unit and indoor units.



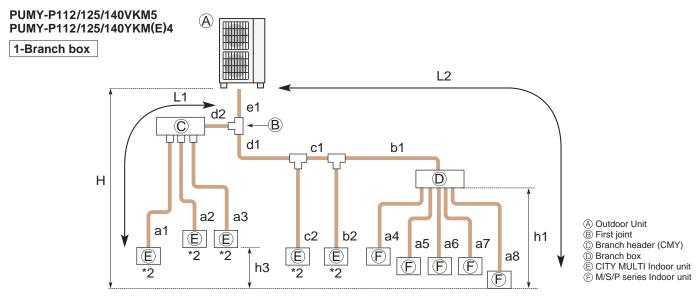
h3 ≦ 12 m

 $\begin{aligned} &|d1+c1+a1|,\,|d1+c1+a2|,\,|d1+c1+a3|,\,|d1+c2+b1+a4|,\,|d1+c2+b1+a5|,\\ &|d1+c2+b1+a6|,\,|d1+c2+b1+a7|,\,|d1+c2+b1+a8|,\,|d1+c2+b2+a9|,\\ &|d1+c2+b2+a10|,\,|d1+c2+b2+a11| \leqq 15 \end{aligned}$

In each indoor unit (h3)

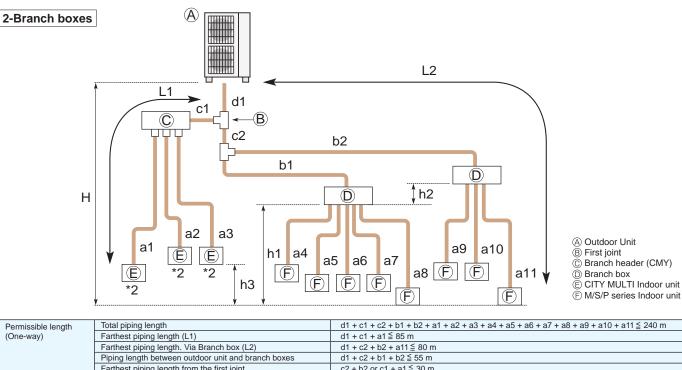
Number of bends

^{*1:} Branch box should be placed within the level between the outdoor unit and indoor units.



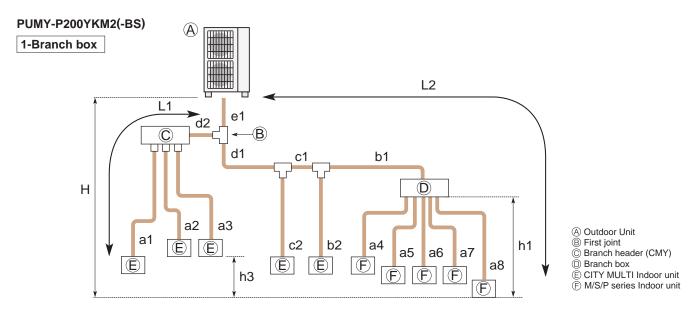
Permissible length	Total piping length	e1 + d1 + d2 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 ≦ 300 m
(One-way)	Farthest piping length (L1)	e1 + d2 + a1 or e1 + d1 + c1 + b2 ≦ 85 m
	Farthest piping length. Via Branch box (L2)	e1 + d1 + c1 + b1 + a8 ≦ 80 m
	Piping length between outdoor unit and branch box	e1 + d1 + c1 + b1 ≦ 55 m
	Farthest piping length from the first joint	d1 + c1 + b1 or d1 + c1 + b2 ≦ 30 m
	Farthest piping length after branch box	a8 ≦ 25 m
	Total piping length between branch boxes and indoor units	a4 + a5 + a6 + a7 + a8 ≦ 95 m
Permissible height	In indoor/outdoor section (H)*1	H ≦ 50 m (In case of outdoor unit is set higher than indoor unit)
difference (One-way)		H ≤ 40 m (In case of outdoor unit is set lower than indoor unit)
	In branch box/indoor unit section (h1)	h1 ≦ 15 m
	In each indoor unit (h3)	h3 ≦ 12 m
Number of bends		e1 + d2 + a1 , e1 + d2 + a2 , e1 + d2 + a3 , e1 + d1 + c2 , e1 + d1 + c1 + b2 , e1 + d1 + c1 + b1 + a4 , e1 + d1 + c1 + b1 + a5 , e1 + d1 + c1 + b1 + a6 ,
		$ e1 + d1 + c1 + b1 + a7 $, $ e1 + d1 + c1 + b1 + a8 \le 15$

- *1: Branch box should be placed within the level between the outdoor unit and indoor units.
 *2: PKFY and PFFY Series cannot be connected.



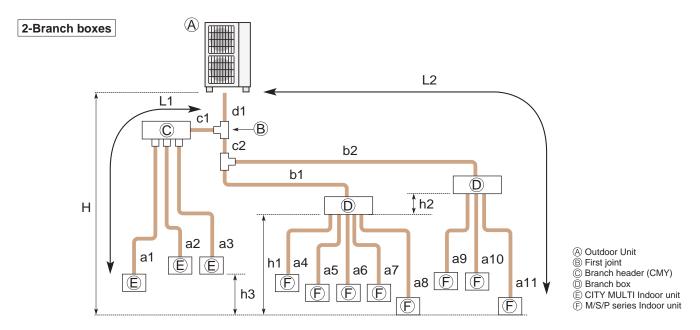
Permissible length	Total piping length	$d1 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 \le 240 \text{ m}$
(One-way)	Farthest piping length (L1)	d1 + c1 + a1 ≦ 85 m
	Farthest piping length. Via Branch box (L2)	d1 + c2 + b2 + a11 ≦ 80 m
	Piping length between outdoor unit and branch boxes	d1 + c2 + b1 + b2 ≦ 55 m
	Farthest piping length from the first joint	c2 + b2 or c1 + a1 ≦ 30 m
	Farthest piping length after branch box	a11 ≦ 25 m
	Farthest branch box from outdoor unit	d1 + c2 + b2 ≦ 55 m
	Total piping length between branch boxes and indoor units	a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 95 m
Permissible height	In indeer/outdeer costion (LI)*4	H ≦ 50 m (In case of outdoor unit is set higher than indoor unit)
difference	In indoor/outdoor section (H)*1	H ≦ 40 m (In case of outdoor unit is set lower than indoor unit)
(One-way)	In branch box/indoor unit section (h1)	h1 + h2 ≦ 15 m
	In each branch unit (h2)	h2 ≦ 15 m
	In each indoor unit (h3)	h3 ≦ 12 m
Number of bends		d1 + c1 + a1 , d1 + c1 + a2 , d1 + c1 + a3 , d1 + c2 + b1 + a4 , d1 + c2 + b1 + a5 ,
		d1 + c2 + b1 + a6 , $ d1 + c2 + b1 + a7 $, $ d1 + c2 + b1 + a8 $, $ d1 + c2 + b2 + a9 $,
		$ d1 + c2 + b2 + a10 $, $ d1 + c2 + b2 + a11 \le 15$

^{*1:} Branch box should be placed within the level between the outdoor unit and indoor units.
*2: PKFY and PFFY Series cannot be connected.



Permissible length	Total piping length	e1 + d1 + d2 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 ≦ 150 m
(One-way) Farthest piping length (L1)		e1 + d2 + a1 or e1 + d1 + c1 + b2 ≤ 80 m
	Farthest piping length. Via Branch box (L2)	e1 + d1 + c1 + b1 + a8 ≦ 80 m
	Piping length between outdoor unit and branch box	e1 + d1 + c1 + b1 ≦ 55 m
	Farthest piping length from the first joint	$d1 + c1 + b1$ or $d1 + c1 + b2 \le 30$ m
	Farthest piping length after branch box	a8 ≦ 25 m
	Total piping length between branch boxes and indoor units	a4 + a5 + a6 + a7 + a8 ≦ 95 m
Permissible height	In indoor/outdoor section (H)*1	H ≦ 50 m (In case of outdoor unit is set higher than indoor unit)
difference (One-way)	III IIIdooi/odidooi Sectioii (FI) 1	H ≤ 40 m (In case of outdoor unit is set lower than indoor unit)
	In branch box/indoor unit section (h1)	h1 ≦ 15 m
	In each indoor unit (h3)	h3≦12 m
Number of bends		$ e1+d2+a1 , e1+d2+a2 , e1+d2+a3 , e1+d1+c2 , e1+d1+c1+b2 , \\ e1+d1+c1+b1+a4 , e1+d1+c1+b1+a5 , e1+d1+c1+b1+a6 , \\ e1+d1+c1+b1+a7 , e1+d1+c1+b1+a8 \le 15 $

^{*1:} Branch box should be placed within the level between the outdoor unit and indoor units.



Permissible length	Total piping length	$d1 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 \le 150 \text{ m}$
(One-way)	Farthest piping length (L1)	d1 + c1 + a1 ≦ 80 m
	Farthest piping length. Via Branch box (L2)	d1 + c2 + b2 + a11 ≦ 80 m
	Piping length between outdoor unit and branch boxes	d1 + c2 + b1 + b2 ≦ 55 m
	Farthest piping length from the first joint	c2 + b2 or c1 + a1 ≦ 30 m
	Farthest piping length after branch box	a11 ≦ 25 m
	Farthest branch box from outdoor unit	d1 + c2 + b2 ≦ 55 m
	Total piping length between branch boxes and indoor units	a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 95 m
Permissible height	In indoor/outdoor section (H)*1	H ≦ 50 m (In case of outdoor unit is set higher than indoor unit)
difference	In Indoor/outdoor Section (H) 1	H ≤ 40 m (In case of outdoor unit is set lower than indoor unit)
(One-way)	In branch box/indoor unit section (h1)	h1 + h2 ≦ 15 m
	In each branch unit (h2)	h2 ≦ 15 m
	In each indoor unit (h3)	h3 ≦ 12 m
Number of bends		

^{*1:} Branch box should be placed within the level between the outdoor unit and indoor units.

Explanation of Terminology

Maximum piping length:

This is the maximum allowable length of the refrigerant piping. The amount of refrigerant pipe used cannot be longer than the length specified.

Total length:

The maximum allowable combined length of all the refrigerant piping between the outdoor unit and indoor unit(s).

Outdoor Unit - Indoor Unit:

The maximum allowable length of the refrigerant piping between the outdoor unit and indoor units installed when multiple units are connected to a single outdoor unit. This distance limitation refers to the maximum length between the outdoor unit and the farthest indoor unit.

Pipe length difference from distribution pipe:

The maximum allowable difference in refrigerant piping length from the distribution pipe to the farthest indoor unit and from the distribution pipe to the closest indoor unit when multiple indoor units are connected to a single outdoor unit using a distribution pipe.

Indoor Unit - Distribution Pipe:

The maximum allowable length of the refrigerant piping between indoor units and the distribution pipe when multiple indoor units are connected to a single outdoor unit.

Maximum height difference:

This is the maximum allowable height difference. It is necessary to install the air conditioning system so that the height distance is no more than the difference specified. (Specified differences may vary if the outdoor unit is installed higher or lower than the indoor units).

Outdoor unit - Indoor unit:

The maximum allowable difference in height between the outdoor unit and indoor units when installed (when multiple indoor units are connected to a single outdoor unit, this distance limitation refers to the maximum height difference between the outdoor unit and an indoor unit).

Indoor unit - Indoor unit

The maximum allowable difference between the heights of indoor units when multiple indoor units are connected to a single outdoor unit.

Maximum number of bends:

This is the maximum allowable number of bends in the refrigerant piping. The total number of bends in the refrigerant piping used cannot exceed the number specified.

Total number:

The maximum allowable number of bends for all refrigerant piping between the outdoor unit and indoor units.

Outdoor unit - Indoor unit:

The maximum allowable number of bends between the outdoor unit and each indoor unit when multiple indoor units are connected to a single outdoor unit.

Conditions for specifications

Temperature conditions are based on JIS B8616.

Cooling Indoor Outdoor	Indoor	27°C DB, 19°C WB
	Outdoor	35°C DB, 24°C WB
Heating	Indoor	20°C DB
rieating	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	-	VG,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"= Wall-mounted , "F"= Compact floor-standing , "E"= Compact ceiling-concealed ,
S	"L"= 4- or 1-way cassette , "U"= Outdoor unit
Z	"Z"= Inverter heat pump , "H"= Fixed-speed heat pump , "blank"= Cooling only of Non-inverter , "Y"= Cooling only of inverter
_	
F	Series
Н	Generation
25	Rated cooling capacity (kW base)
V	230V / Single phase / 50Hz
	"A"= R410A with new A control , "B"= R410A with conventional control ,
E	"E"= R410A with new A control & ErP correspondance, "G"=R32 with new A control & ErP correspondance,
	"F"= R32 with new A control
	"HZ"= Hyper Heating model , "H"= Anti-freeze heater equipped model ,
HZ	"S"= Silver indoor unit , "W"= White/Natural White indoor unit , "B"= Black/Onyx Black indoor unit ,
	"V"= Pearl White indoor unit , "R"= Ruby Red indoor unit

2) P Series

P	P Series P Series	
U	"K"= Wall-mounted , "S"= Floor-standing , "L"= 4-way cassette , "E"= Ceiling-concealed ,	
	"C"= Ceiling-suspended , "U"= Outdoor unit	
Н	"H"= For heating and cooling	
Z	"Z"= Inverter	
_		
ZM/M/ZRP/RP/P	"ZM"= R32 Eco-conscious Power Inverter , "M"= R32 &R410A	
	"ZRP"/"RP"= R410A & cleaning-free pipe reuse , "P"=R410A	
SHW	"SH"- Powerful heating 7 IRADAN "W"- can be used as air to water application	

ZIVI/IVI/ZNF/NF/F	ZIVI = R3Z ECO-CONSCIOUS POWER INVERTER , IVI = R3Z &R4TUA
	"ZRP"/"RP"= R410A & cleaning-free pipe reuse , "P"=R410A
SHW	"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
Н	Generation
Α	"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/E/F/HJ/DM	Generation / Type
72	Rated cooling capacity (kW base)
V	"V"= 230V / Single phase / 50Hz
Α	"A"= R410A with new A control
HZ	"HZ"= Hyper Heating model , "H"= Anti-freeze heater equipped model

Refrigerant Amount

M/S/P/Multi

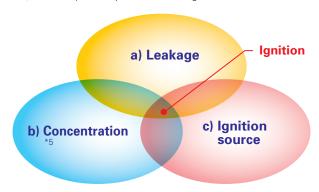
		Refrig	Refrigerant		Pre-charged quantity		Max. added quantity	
	Model Name			Weight	CO ₂	Weight	CO ₂	
			GWP	[kg]	equivalent [t]	[kg]	equivalen [t]	
	MUZ-LN25VG	R32	675	1.00	0.68	0.26	0.18	
	MUZ-LN25VG2	R32	675 675	0.8	0.54	0.20	0.135	
	MUZ-LN35VG MUZ-LN35VG2	R32	675	1.00 0.85	0.68	0.26	0.18	
	MUZ-LN50VG	R32	675	1.25	0.85	0.26	0.18	
	MUZ-LN50VG2	R32	675	1.25	0.85	0.10	0.07	
	MUZ-LN60VG	R32	675	1.45	0.98	0.46	0.32	
	MUZ-LN25VGHZ MUZ-LN35VGHZ	R32	675 675	1.00	0.68	0.26	0.18	
	MUZ-LN50VGHZ	R32	675	1.45	0.08	0.26	0.18	
	MUZ-FT25VGHZ	R32	675	0.85	0.58	0.25	0.17	
	MUZ-FT35VGHZ	R32	675	0.95	0.65	0.45	0.31	
	MUZ-FT50VGHZ	R32	675	0.95	0.65	0.45	0.31	
	MUZ-AP15VG MUZ-AP20VG	R32	675 675	0.49	0.34	0.26	0.18	
	MUZ-AP25VG	R32	675	0.55	0.37	0.26	0.18	
	MUZ-AP35VG	R32	675	0.55	0.37	0.26	0.18	
	MUZ-AP42VG	R32	675	0.70	0.47	0.26	0.18	
	MUZ-AP50VG	R32	675	1.00	0.68	0.26	0.18	
	MUZ-AP60VG MUZ-AP71VG	R32	675 675	1.05	0.71 1.02	0.30	0.20	
	MUZ-AP25VGH	R32	675	0.55	0.37	0.36	0.20	
	MUZ-AP35VGH	R32	675	0.55	0.37	0.26	0.18	
	MUZ-AP42VGH	R32	675	0.70	0.47	0.26	0.18	
	MUZ-AP50VGH	R32	675	1.00	0.68	0.26	0.18	
	MUZ-EF25VG(H) MUZ-EF35VG(H)	R32	675 675	0.62	0.42	0.26	0.18 0.18	
	MUZ-EF35VG(H) MUZ-EF42VG	R32	675	0.74	0.50	0.26	0.18	
	MUZ-EF50VG	R32	675	1.05	0.71	0.46	0.32	
	MUZ-BT20VG	R32	675	0.45	0.30	0.26	0.18	
	MUZ-BT25VG	R32	675	0.50	0.34	0.26	0.18	
	MUZ-BT35VG MUZ-BT50VG	R32	675	0.50	0.34	0.26	0.18	
	MUZ-BT50VG MUZ-HR25VF	R32	675 675	0.70	0.47	0.26	0.18	
	MUZ-HR35VF	R32	675	0.45	0.30	0.26	0.18	
	MUZ-HR42VF	R32	675	0.70	0.47	0.26	0.18	
	MUZ-HR50VF	R32	675	0.80	0.54	0.26	0.18	
	MUZ-HR60VF	R32	675 675	1.05	0.71	0.46	0.32	
	MUZ-HR71VF MUY-TP35VF	R32 R410A	2088	1.05 0.85	0.71	0.46	0.32	
	MUY-TP50VF	R410A	2088	0.85	0.57	0.13	0.09	
	MUZ-FH25VE	R410A	2088	1.15	2.41	0.39	0.82	
	MUZ-FH35VE	R410A	2088	1.15	2.41	0.39	0.82	
	MUZ-FH50VE MUZ-FH25VEHZ	R410A R410A	2088	1.55 1.15	3.24 2.41	0.46	0.97	
	MUZ-FH25VEHZ	R410A	2088	1.15	2.41	0.39	0.82	
	MUZ-FH50VEHZ	R410A	2088	1.55	3.24	0.46	0.97	
M-Series	MUZ-SF25VE(H)	R410A	2088	0.70	1.47	0.39	0.82	
vi-Series	MUZ-SF35VE(H)	R410A	2088	0.80	1.68	0.39	0.82	
	MUZ-SF42VE(H)	R410A	2088	1.15	2.41	0.39	0.82	
	MUZ-SF50VE(H) MUZ-GF60VE	R410A R410A	2088	1.55 1.55	3.24 3.24	0.46	0.97	
	MUZ-GF71VE	R410A	2088	1.90	3.97	1.10	2.30	
	MUZ-WN25VA	R410A	2088	0.70	1.47	0.26	0.55	
	MUZ-WN35VA	R410A	2088	0.70	1.47	0.26	0.55	
	MUZ-DM25VA	R410A	2088	0.70	1.47	0.26	0.55	
	MUZ-DM35VA MUZ-HJ25VA	R410A R410A	2088	0.72	1.51 1.47	0.26	0.55 0.55	
	MUZ-HJ35VA	R410A	2088	0.70	1.51	0.26	0.55	
	MUZ-HJ50VA	R410A	2088	1.15	2.41	0.26	0.55	
	MUZ-HJ60VA	R410A	2088	1.80	3.76	0.46	0.97	
	MUZ-HJ71VA	R410A	2088	1.80	3.76	0.46	0.97	
	MUFZ-KJ25VE MUFZ-KJ35VE	R410A R410A	2088	1,1	2.30	0.39	0.82	
	MUFZ-KJ35VE MUFZ-KJ50VE	R410A	2088	1.50	3.14	0.39	0.82	
	MUFZ-KJ25VEHZ	R410A	2088	1,1	2.30	0.39	0.82	
	MUFZ-KJ35VEHZ	R410A	2088	1,1	2.30	0.39	0.82	
	MUFZ-KJ50VEHZ	R410A	2088	1.50	3.14	0.46	0.97	
	MXZ-2D33VA MXZ-2D42VA2	R410A R410A	2088	1.15	2.72	0.0	0.00	
	MXZ-2D42VA2 MXZ-2D53VA(H)2	R410A	2088	1.3	2.72	0.2	0.42	
	MXZ-3E54VA	R410A	2088	2.7	5.64	0.2	0.42	
	MXZ-3E68VA	R410A	2088	2.7	5.64	0.4	0.84	
	MXZ-4E72VA	R410A	2088	2.7	5.64	0.4	0.84	
	MXZ-4E83VA MXZ-5E102VA	R410A R410A	2088	2.99	6.25 6.25	0.9	1.88 3.35	
	MXZ-6D122VA	R410A	2088	4.0	8.36	1.0	2.09	
	MXZ-2F33VF3	R32	675	0.8	0.54	0.8	0.54	
	MXZ-2F42VF3	R32	675	1.0	0.675	1.0	0.675	
	MXZ-2F53VF(H)3	R32	675	1.0	0.675	1.0	0.675	
	MXZ-3F54VF3 MXZ-3F68VF3	R32	675 675	2.4	1.62	2.4	1.62	
	MXZ-4F72VF3	R32	675	2.4	1.62	2.4	1.62	
	MXZ-4F80VF3	R32	675	2.4	1.62	2.4	1.62	
	MXZ-4F83VF	R32	675	2.4	1.62	2.4	1.62	
	MXZ-5F102VF	R32	675	2.4	1.62	2.4	1.62	
	MXZ-6F122VF	R32	675	2.4	1.62	2.4	1.62	
	MXZ-2F53VFHZ MXZ-4F83VFHZ	R32	675 675	2.4	1.62 1.62	2.4	1.62 1.62	
	MXZ-2E53VAHZ	R410A	2088	2.0	4.18	0.2	0.42	
	MXZ-4E83VAHZ	R410A	2088	3.9	8.15	0.9	1.88	
	MXZ-2DM40VA	R410A	2088	0.95	1.99	0.2	0.42	
	MXZ-3DM50VA	R410A	2088	2.7	5.64	0.2	0.42	
	MXZ-2HA40VF MXZ-2HA50VF	R32	675	0.9	0.61	0.9	0.61	
	IVIAZ-ZDADUVE	R32	675	0.9	0.61	0.9	0.61	

		Refrigerant		Pre-charged quantity		Max. added quantity	
	Model Name	GWP		Weight CO ₂ equivalent		VA/nimba CO2	
				[kg]	[t]	[kg]	equivalent [t]
	SUZ-M25VA SUZ-M35VA	R32 R33	675 675	0.65	0.44	0.91	0.61
	SUZ-M35VA SUZ-M50VA	R34	675	1.20	0.61	1.16	1.12
	SUZ-M60VA	R35	675	1.25	0.84	1.71	1.15
S-Series	SUZ-M71VA	R36	675	1.45	0.98	2.37	1.60
5-Series	SUZ-KA25VA6	R410A	2088	0.80	1.68	0.39	0.82
	SUZ-KA35VA6	R410A	2088	1.15	2.41	0.39	0.82
	SUZ-KA50VA6 SUZ-KA60VA6	R410A R410A	2088	1.60	3.35	0.46	0.97
	SUZ-KA71VA6	R410A	2088	1.80	3.76	1.265	2.65
	PUZ-ZM35VKA	R32	675	2.0	1.35	0.3	0.20
	PUZ-ZM50VKA	R32	675	2.0	1.35	0.3	0.20
	PUZ-ZM60VHA	R32	675	2.8	1.89	0.8	0.54
	PUZ-ZM71VHA PUZ-ZM100VKA	R32	675 675	2.8 4.0	1.89 2.70	0.8 2.8	0.54 1.89
	PUZ-ZM100YKA	R32	675	4.0	2.70	2.8	1.89
	PUZ-ZM125VKA	R32	675	4.0	2.70	2.8	1.89
	PUZ-ZM125YKA	R32	675	4.0	2.70	2.8	1.89
	PUZ-ZM140VKA	R32	675	4.0	2.70	2.8	1.89
	PUZ-ZM140YKA	R32	675 675	4.0 6.3	2.70 4.25	2.8 9.2	1.89 6.21
	PUZ-ZM200YKA PUZ-ZM250YKA	R32	675	6.8	4.25	9.2	6.21
	PUHZ-ZRP35VKA2	R410A	2088	2.2	4.60	0.4	0.84
	PUHZ-ZRP50VKA2	R410A	2088	2.4	5.02	0.4	0.84
	PUHZ-ZRP60VHA2	R410A	2088	3.5	7.31	1.2	2.51
	PUHZ-ZRP71VHA2	R410A	2088	3.5	7.31	1.2	2.51
	PUHZ-ZRP100VKA3 PUHZ-ZRP100YKA3	R410A R410A	2088	5.0 5.0	10.44 10.44	2.4	5.02 5.02
	PUHZ-ZRP125VKA3	R410A	2088	5.0	10.44	2.4	5.02
	PUHZ-ZRP125YKA3	R410A	2088	5.0	10.44	2.4	5.02
	PUHZ-ZRP140VKA3	R410A	2088	5.0	10.44	2.4	5.02
	PUHZ-ZRP140YKA3	R410A	2088	5.0	10.44	2.4	5.02
P-Series	PUHZ-ZRP200YKA3	R410A	2088	7.1	14.83	3.6	7.52
	PUHZ-ZRP250YKA3 PUZ-M100VKA	R410A R32	2088 675	7.7 3.1	16.08 2.09	4.8 4.1	10.03
	PUZ-M100YKA	R32	675	3.1	2.09	4.1	2.77
	PUZ-M125VKA	R32	675	3.6	2.43	5.0	3.38
	PUZ-M125YKA	R32	675	3.6	2.43	5.0	3.38
	PUZ-M140VKA	R32	675	3.6	2.43	5.0	3.38
	PUZ-M140YKA PUZ-M200YKA	R32	675 675	3.6 5.6	2.43 3.78	5.0 7.2	3.38 4.86
	PUZ-M250YKA	R32	675	6.8	4.59	9.2	6.21
	PUHZ-P100VKA	R410A	2088	3.3	6.89	1.2	2.51
	PUHZ-P100YKA	R410A	2088	3.3	6.89	1.2	2.51
	PUHZ-P125VKA	R410A	2088	3.8	7.93	1.2	2.51
	PUHZ-P125YKA PUHZ-P140VKA	R410A R410A	2088	3.8	7.93 7.93	1.2	2.51
	PUHZ-P140YKA	R410A	2088	3.8	7.93	1.2	2.51
	PUHZ-P200YKA3	R410A	2088	6.5	13.58	3.6	7.52
	PUHZ-P250YKA3	R410A	2088	7.7	16.08	4.8	10.03
	PUHZ-SHW112VHA	R410A	2088	5.5	11.49	2.4	5.02
	PUHZ-SHW112YHA	R410A	2088	5.5	11.49	2.4	5.02
	PUHZ-SHW140VHA PUHZ-SHW140YHA	R410A R410A	2088	5.5 5.5	11.49 11.49	2.4	5.02
	PUHZ-FRP71VHA	R410A	2088	3.8	7.94	1.8	3.76
	PUMY-SP112VKM(-BS)	R410A	2088	3.5	7.31	9.0	18.79
	PUMY-SP112YKM(-BS)	R410A	2088	3.5	7.31	9.0	18.79
	PUMY-SP125VKM(-BS)	R410A	2088	3.5	7.31	9.0	18.79
	PUMY-SP125YKM(-BS) PUMY-SP140VKM(-BS)	R410A R410A	2088	3.5	7.31 7.31	9.0	18.79 18.79
	PUMY-SP140VKM(-BS)	R410A	2088	3.5	7.31	9.0	18.79
PUMY	PUMY-P112VKM5(-BS)	R410A	2088	4.8	10.02	13.8	28.81
	PUMY-P125VKM5(-BS)	R410A	2088	4.8	10.02	13.8	28.81
	PUMY-P140VKM5(-BS)	R410A	2088	4.8	10.02	13.8	28.81
	PUMY-P112YKM(E)4(-BS)	R410A	2088	4.8	10.02	13.8	28.81
	PUMY-P125YKM(E)4(-BS) PUMY-P140YKM(E)4(-BS)	R410A R410A	2088	4.8 4.8	10.02	13.8	28.81 28.81
	PUMY-P200YKM2 (-BS)	R410A	2088	7.3	15.24	13.1	27.35

R32 REFRIGERANT

R32 REFRIGERANT PROPERTIES

Under the conditions shown below, there is a possibility that R32 could ignite.



	R32	R410A	R22
Chemical formula		1111411	==
Chemical formula	CH ₂ F ₂	CH ₂ F ₂ /CHF ₂ CF ₃	CHCIF ₂
Composition (blend ratio wt. %)	Single composition	R32/R125 (50/50 wt %)	Single composition
Ozone depletion potential (ODP)	0	0	0.055
Global warming potential (GWP) *1	675	2088	1810
LFL(vol.%) *2	13.3	_	_
UFL(vol.%) *3	29.3	_	_
Flammability *4	Lower flammability (2L)	No flame propagation (1)	No flame propagation (1)

^{*1} IPCC 4th assessment report.

Although R32 is classified as low flammability, the possibility of igniting can be eliminated by ensuring the following three points.

a) Do not leak refrigerant.

<Installation> ·Vacuum drying should be done. Air purging is prohibited.

·Follow "4. Installation Points of Refrigerant Piping Work".

<Repair/Relocation/Removal> ·Pump down or recovering refrigerant should be done.

b) Prevent concentration.

·Ventilate during installation and servicing, such as open the door or window and use a fan.

·Follow "2. Installation Restrictions".

c) Keep ignition source away from the unit.

- $\cdot \text{Do not braze pipe and unit which contain refrigerant. Before brazing, refrigerant should be recovered.}$
- Do not install unit while the electricity is turned on. Turn off electricity at the fuse box and check the wiring using a tester.
- Do not smoke when working or during transportation of the product.

Note

Both R32 / R410A emit a toxic gas when coming into contact with an open flame.

^{*2} LFL : Lower flammable limit

^{*3} UFL: Upper flammable limit

^{*4} ISO 817:2014

^{*5} R32 consistency is higher than LFL*1 and lower than UFL*2.

INSTALLATION RESTRICTIONS

In order to prevent the refrigerant from igniting, use the following instructions during installation.

1) Indoor Units

Install in a room with a floor area of Amin* or more, corresponding to refrigerant quantity M.

(M = factory-charged refrigerant + locally added refrigerant)

Install the indoor unit so that the height from the floor to the bottom of the indoor unit is hO*.

* Refer to table and drawings below.

<P Series>

<m< th=""><th>Seri</th><th>es)</th></m<>	Seri	es)
<m< td=""><td>Seri</td><td>es</td></m<>	Seri	es

VI JEIIES/		VI Delles/				
/[kg]	Amin[m²]	M[kg]	Amin[m²]			
0.7	1.7	1.0	4			
0.8	2.0	1.5	6			
0.9	2.2	2.0	8			
1.0	2.5	2.5	10			
1.1	2.7	3.0	12			
1.2	3.0	3.5	14			
1.3	3.2	4.0	16			
1.4	3.4	4.5	20			
1.5	3.7	5.0	24			
1.6	3.9	5.5	29			
1.7	4.2	6.0	35			
1.8	4.4	6.5	41			
1.9	4.6	7.0	47			

7.5

54

4.9

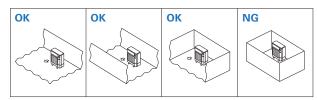
2.0

<mxz series=""></mxz>			<only< th=""><th>for MFZ-KT</th></only<>	for MFZ-KT
M[kg]	Amin[m²]		M[kg]	Amin[m²]
1.0	3		1.00	
1.5	4.5		1.50	No requirements
2.0	6		1.80	
2.5	7.5		1.84	3.63
3.0	9		1.90	3.75
3.5	12		2.00	3.95
4.0	15.5		2.10	4.15
4.5	20		2.20	4.34
5.0	24		2.30	4.54
5.5	29		2.40	4.74
6.0	35	٠		
6.5	41			
7.0	47			
7.5	54			

Wall-mounted Ceiling-suspended h0≥2.2[m] h0≥1.8[m] Floor-standing h0≧2.2[m] h0≧2.2[m] h0: max 0.15[m]

2) Outdoor Units

Install outdoor units in a place where at least one of the four sides is open or in a sufficiently large space without depressions.



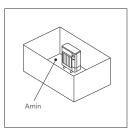
If you unavoidably install a unit in a space where all four sides are blocked or there are depressions, confirm that one of these situations (A, B or C) is satisfied.

A Secure sufficient installation space (minimum installation area Amin).

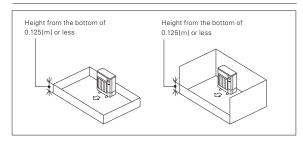
Install in a space with an installation area of Amin* or more, corresponding to refrigerant quantity M. (M = factory-charged refrigerant + locally added refrigerant)

* Refer to table and drawings below

M[kg]	Amin[m²]
1.0	12
1.5	17
2.0	23
2.5	28
3.0	34
3.5	39
4.0	45
4.5	50
5.0	56
5.5	62
6.0	67
6.5	73
7.0	78
7.5	84



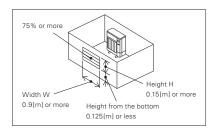
B Install in a space with a depression height of ≤0.125[m].



Create an appropriate open ventilation area.

Make sure that the width of the open area is 0.9[m] or more and the height of the open area is 0.15[m] or more.

However, the height from the bottom of the installation space to the bottom edge of the open area should be 0.125[m] or less. More than 75% of the ventilation area should be open to allow air circulation.



Note

These countermeasures (A, B or C) are for keeping safety not for specification guarantee.

• Models with R32 Refrigerant: MSZ-L Series (single connection)

IOSSNAY SYSTEM







LOSSNAY LINEUP

Applica	ation	Model	Airflow	50 CMH	100 CMH	150 CMH	250 CMH	350 CMH	500 CMH	650 CMH	800 CMH	1000 CMH	1500 CMH	2000 CMH	2500 CMH
Centralized Ventilation	Ceiling Concealed	LGH-RVX Series				•	•	•	•	•	•	•	•	•	
		LGH-RVXT Series											•	•	•
		GUF Series							•			•			
		GUG Series (Dx-coil unit for Lossnay LGH-RVX/RVXT Series)							•	•	•	•	•	•	•
		VL-220CZGV-E					•								
	Vertical Type	VL-CZPVU Series					•	•							
Decentralized Ventilation	Wall Mounted Type	VL-100(E)U5-E			•										
		VL-50(E)S ₂ -E VL-50SR ₂ -E		•											

LGH-RVX Series

A commercially oriented system that can be used to deliver high performance and functions virtually anywhere.

LGH-RVXT Series

Thin, large airflow models of the LGH series that deliver high performance and functions.

GUF Series

Heat recovery units with a heating and cooling system that uses the City Multi outdoor unit as a heat source.

Dx-coil unit (GUG Series)

Temperature control equipment that works with Lossnay units and Mr. Slim outdoor units.

VL-CZPVU Series

Vertical type for residential use centralized ventilation with sensible heat exchange.

VL-220CZGV-E

Centralized ventilation with sensible heat exchange, for residential use.

VL-100(E)U5-E, VL-50(E)S2-E, VL-50SR2-E

Wall-mounted models. Particularly suitable for houses and small offices.

REMOTE CONTROLLER



70 Lower case Unit (mm)

PZ-43SMF-E

Function	PZ-61	DR-E	PZ-43SMF-E				
(Communicating mode)	LGH-RVX/RVXT	VL-220CZGV-E	LGH-RVX/RVXT	VL-220CZGV-E			
Fan speed selection	4 fan speeds	4 fan speeds	2 of 4 fan speeds	2 of 4 fan speeds			
Ventilation mode selection	Energy recovery / Bypass / Auto	Heat recovery / Bypass / Auto (available with optional part P-133DUE-E)	Energy recovery / Bypass / Auto	Heat recovery / Bypass / Auto (available with optional part P-133DUE-E)			
Night-purge setting (time and fan speed)	Yes	No	No	No			
Function setting from RC	Yes	Yes	No	No			
Bypass temp. free setting	Yes	Yes (available with optional part P-133DUE-E)	No	No			
Heater-On temp. free setting	Yes	No	No	No			
Fan power change after installation	Yes	Yes	No	No			
ON/OFF timer	Yes	Yes	Yes	Yes			
Auto-Off timer	Yes	Yes	No	No			
Weekly timer	Yes	Yes	No	No			
Operation restrictions (ON/OFF, ventilation mode, fan speed)	Yes	Yes (ventilation mode is available with optional part P-133DUE-E)	No	No			
Operation restrictions (fan speed skip setting)	Yes	Yes	No	No			
Screen contrast adjustment	Yes	Yes	No	No			
Language selection	Yes (8 languages)	Yes (8 languages)	No (English only)	No (English only)			
Initializing	Yes	Yes	No	No			
Filter cleaning sign	Yes	Yes	Yes	Yes			
Lossnay core cleaning sign	Yes	No	No	No			
Error indication	Yes	Yes	Yes	Yes			
Error history	Yes	Yes	No	No			

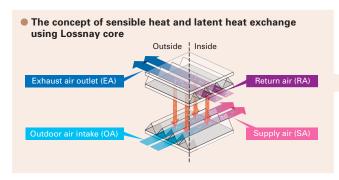
LOSSNAY

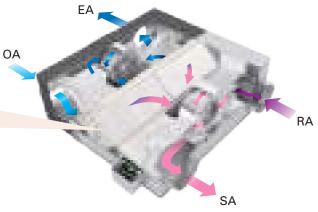
Lossnay ventilation systems are renowned industry-wide for their efficiency. They offer environment-friendly energy recovery and humidity control, and enable air conditioning systems to simultaneously provide optimum room comfort and energy savings.



Indoor Air Quality Inside a Building is Optimized Through Temperature and Humidity Exchange by Lossnay

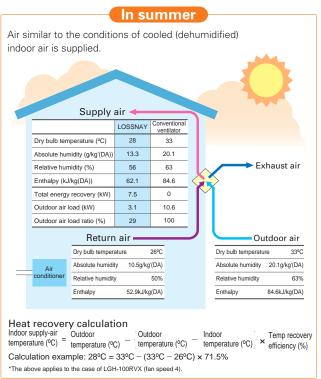
Lossnay is a total heat exchange ventilation system that uses paper characteristics to perform temperature (sensible heat) and humidity (latent heat) exchange.

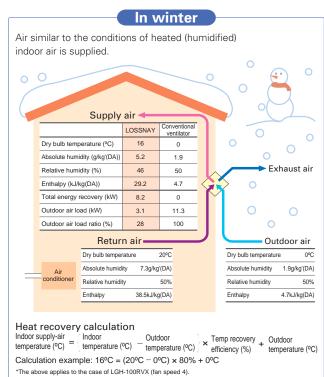




What Can Be Improved by Introducing Lossnay?

Ventilation with maximized comfort





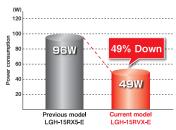
Commercial Use Lossnay

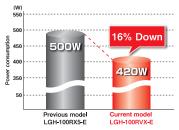
LGH-RVX Series (Standard model)

Power consumption reduced further with the introduction of a DC motor

Low power consumption is realised with the introduction of a high efficiency brushless DC motor. Compared to models with an AC motor, power consumption is reduced.

Comparison between current and previous power consumption (Current model: Fan speed 4 at 230V 50Hz, Previous model: Extra-High at 220V 50Hz)





Improved airflow range

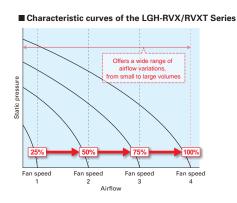
Wide airflow range

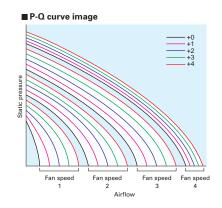
Each fan speed has a range setting of 25, 50, 75 and 100%, allowing much finer airflow control. When used in combination with the CO₂ sensor or timer function, airflow can be controlled according to conditions that realize better performance and reduce power consumption.

Fan speed adjustment function

The default fan speed value can be adjusted slightly. Use the PZ-61DR-E remote controller to reset the speed.

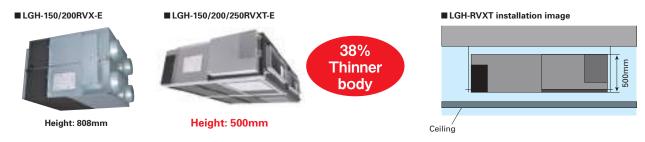
- 1) Considering the total hours of Lossnay operation (filter clogging), fan power can be adjusted automatically after a given period of time.
- 2) After the unit is installed, fine adjustments can be made if the airflow is slightly lower than the desired airflow.





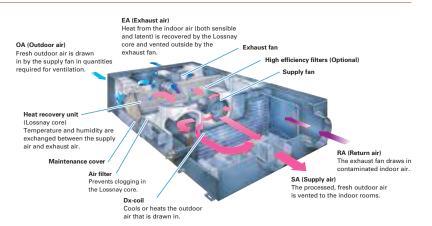
LGH-RVXT Series (Thin body type)

The LGH-RVXT series has a large airflow of 1500 - 2500 CMH but a thin body of approximately 500mm. Therefore, installing the unit in the ceiling is easy.



GUF Series (Lossnay with Dx-coil unit)

Along with Lossnay ventilation, the OA processing unit is really two units in one, functioning as the main air conditioner when the load is light and adding supplemental air conditioning when the load is heavy.



Commercial Use Lossnay Specifications

RVX Series

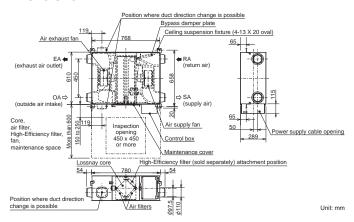
LGH-15RVX-E

Electrical power supply	220-240V/50Hz, 220V/60Hz									
Ventilation mode	Heat recovery mode Bypa:						ss mode			
Fan speed			SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)			0.24	0.15	0.10	0.41	0.25	0.15	0.10	
Input power (W)			28	14	7	52	28	14	8	
Airflow	(m ³ /h)	150	113	75	38	150	113	75	38	
All Hove	(L/s)	42	31	21	10	42	31	21	10	
External static pressure (Pa)			54	24	6	95	54	24	6	
Temperature exchange efficiency (%)			81	83	84	-	-	-	-	
Enthalpy exchange efficiency (%)	Heating	73	75.5	78	79	-	-	-	-	
Entirally exchange eniciency (%)	Cooling	71	74.5	78	79	-	-	-	-	
Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber)			24	19	17	29	24	19	18	
Weight (kg)			20							
Specific energy consumption class			A							

Characteristic Curves

Static pressure (Pa) 80 (L/s) 40 Airflow

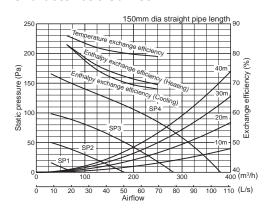
Dimensions



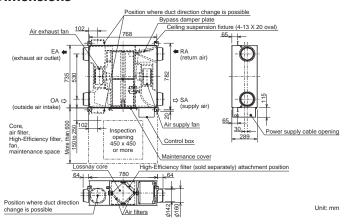
LGH-25RVX-E

Electrical power supply			220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode					Bypass mode				
Fan speed			SP3	SP2	SP1	SP4	SP3	SP2	SP1		
Running current (A)			0.28	0.16	0.10	0.48	0.29	0.16	0.11		
Input power (W)			33	16	7.5	63	35	17	9		
Airflow	(m ³ /h)	250	188	125	63	250	188	125	63		
All HOVV	(L/s)	69	52	35	17	69	52	35	17		
External static pressure (Pa)			48	21	5	85	48	21	5		
Temperature exchange efficiency (%)			80	82	86	-	-	-	-		
Enthalpy exchange efficiency (%)		69.5	72	76	83	-	-	-	-		
Littialpy exchange efficiency (70)	Cooling	68	70	74.5	83	-	-	-	-		
Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber)			22	20	17	27.5	23	20	17		
Weight (kg)			23								
Specific energy consumption class			А								

Characteristic Curves



Dimensions



^{*}The running current, the input power, the efficiency and the noise are based on the rated airflow, 230V/50Hz, and 220V/60Hz.

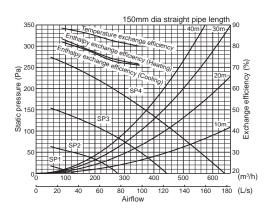
*Figures in the chart is measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.

*For specifications at other frequencies, contact your dealer.

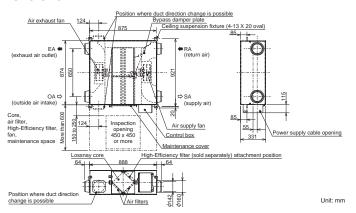
LGH-35RVX-E

Electrical power supply				2:	20-240V/50H	tz, 220V/60H	Ηz		
Ventilation mode		Heat recovery mode Bypass mode							
Fan speed	Fan speed		SP4 SP3 SP2 SP1 SP4 SP3 SP2					SP1	
Running current (A)		0.98	0.54	0.26	0.12	0.98	0.56	0.28	0.13
Input power (W)		140	70	31	11	145	72	35	13
Airflow	(m ³ /h)	350	263	175	88	350	263	175	88
AITIOW	(L/s)	97	73	49	24	97	73	49	24
External static pressure (Pa)		160	90	40	10	160	90	40	10
Temperature exchange efficiency (%)	80	82.5	86	88.5	-	-	-	-
Enthalpy exchange efficiency (%)	Heating	71.5	74	78.5	83.5	-	-	-	-
Littialpy exchange efficiency (78)	Cooling	71	73	78	82	-	-	-	-
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	r) 32 28 20 17 32.5 28 20			18				
Weight (kg)		30							

Characteristic Curves



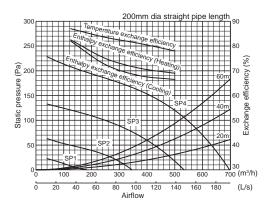
Dimensions

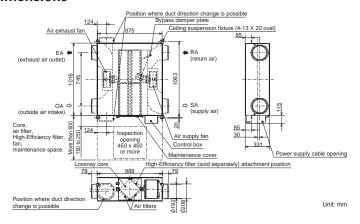


LGH-50RVX-E

Electrical power supply				2:	20-240V/50H	tz, 220V/60H	Hz		
Ventilation mode	entilation mode			very mode	de Bypass mode				
Fan speed		SP4	SP3	SP2	SP1 SP4 SP3 SP2 S				SP1
Running current (A)		1.15	0.59	0.26	0.13	1.15	0.59	0.27	0.13
Input power (W)		165	78	32	12	173 81 35 1			14
Airflow	(m ³ /h)	500	375	250	125	500	375	250	125
All llow	(L/s)	139	104	69	35	139	139 104	69	35
External static pressure (Pa)		120	68	30	8	120	68	30	8
Temperature exchange efficiency (%)	78	81	83.5	87	-	-	-	-
Enthalpy exchange efficiency (%)	Heating	69	71	75	82.5	-	-	-	-
Entirally exchange efficiency (78)	Cooling	66.5	68	72.5	82	-	-	-	-
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	34 28 19 18 35 29 20				18			
Weight (kg)		33							

Characteristic Curves





- For LGH-RVX and LGH-RVXT series

 *The running current, the input power, the efficiency and the noise are based on the rated airflow, 230V/50Hz, and 220V/60Hz.

 *Figures in the chart is measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.

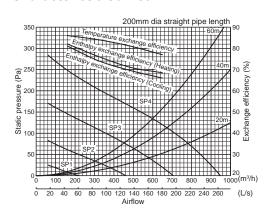
 *For specifications at other frequencies, contact your dealer.

Commercial Use Lossnay Specifications

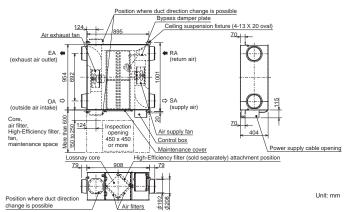
LGH-65RVX-E

Electrical power supply				2:	20-240V/50H	Hz, 220V/60H	Ηz		
Ventilation mode		Heat recovery mode				Bypass mode			
Fan speed		SP4	SP3	SP2	SP1	SP4	SP4 SP3 SP2 SF		
Running current (A)		1.65	0.90	0.39	0.15	1.72	0.86	0.38	0.16
Input power (W)		252	131	49	15	262	262 131 47 17		
Airflow	(m ³ /h)	650	488	325	163	650	488	325	163
Airiow	(L/s)	181	135	90	45	181	135	90	45
External static pressure (Pa)		120	68	30	8	120	68	30	8
Temperature exchange efficiency (%)	77	81	84	86	-	-	-	-
Enthalpy exchange efficiency (%)	Heating	68.5	71	76	82	-	-	-	-
Entirally exchange eniciency (70)	Cooling	66	69.5	74	81	-	-	-	-
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	34.5	29	22	18	35.5 29 22 18			18
Weight (kg)		38							

Characteristic Curves



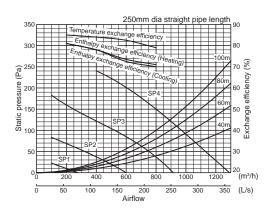
Dimensions

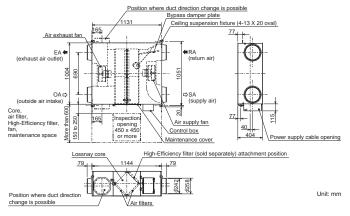


LGH-80RVX-E

Electrical power supply				2:	20-240V/50H	tz, 220V/60H	Ηz		
Ventilation mode		Heat recovery mode				Bypass mode			
Fan speed		SP4 SP3 SP2 SP1 SP4 SP3 SP2					SP1		
Running current (A)		1.82	0.83	0.36	0.15	1.97 0.86 0.40 0.			0.15
Input power (W)		335	151	60	18	340 151 64			20
Airflow	(m ³ /h)	800	600	400	200	800	600	400	200
All How	(L/s)	222	167	111	56	222	222 167	111	56
External static pressure (Pa)		150	85	38	10	150	85	38	10
Temperature exchange efficiency (%)	79	82.5	84	85	-	-	-	-
Enthalpy exchange efficiency (%)	Heating	71	73.5	78	81	-	-	-	-
Entirally exchange eniciency (78)	Cooling	70	72.5	78	81	-	-	-	-
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	r) 34.5 30 23 18 36 30 23			18				
Weight (kg)		48							

Characteristic Curves





^{*}The running current, the input power, the efficiency and the noise are based on the rated airflow, 230V/50Hz, and 220V/60Hz.

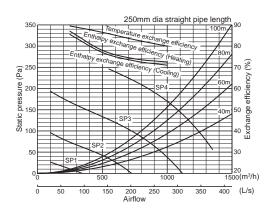
*Figures in the chart is measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.

*For specifications at other frequencies, contact your dealer.

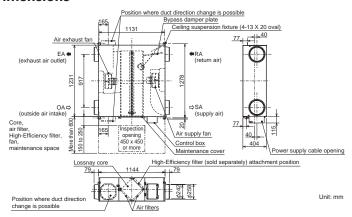
LGH-100RVX-E

Electrical power supply		220-240V/50Hz, 220V/60Hz							
Ventilation mode		Heat recovery mode Bypass mode							
Fan speed		SP4 SP3 SP2 SP1 SP4 SP3 SP2					SP1		
Running current (A)		2.50	1.20	0.50	0.17	2.50	1.20	0.51	0.19
Input power (W)		420	200	75	21	420	200	75	23
Airflow	(m ³ /h)	1000	750	500	250	1000	750	500	250
AIITIOW	(L/s)	278	208	139	69	278	278 208	139	69
External static pressure (Pa)		170	96	43	11	170	96	43	11
Temperature exchange efficiency (%)	80	83	86.5	89.5	-	-	-	-
Enthalpy exchange efficiency (%)	Heating	72.5	74	78	87	-	-	-	-
Littrapy exchange emclericy (76)	Cooling	71	73	77	85.5	-	-	-	-
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	per) 37 31 23 18 38 32 24				18			
Weight (kg)		54							

Characteristic Curves



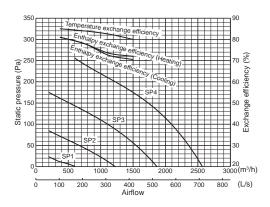
Dimensions

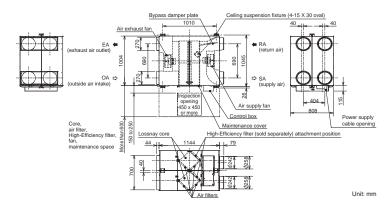


LGH-150RVX-E

Electrical power supply				2	20-240V/50H	tz, 220V/60H	Ηz		
Ventilation mode		Heat recovery mode				Bypass mode			
Fan speed		SP4	SP4 SP3 SP2 SP1 SP4 SP3 SP2					SP1	
Running current (A)		3.71	1.75	0.70	0.29	3.85	3.85 1.78 0.78 0.		
Input power (W)		670	311	123	38	698 311 124			44
Airflow	(m ³ /h)	1500	1125	750	375	1500	1125	750	375
All llow	(L/s)	417	313	208	104	417	313	208	104
External static pressure (Pa)		175	98	44	11	175	98	44	11
Temperature exchange efficiency (%)	80	82.5	84	85	-	-	-	-
Enthalpy exchange efficiency (%)	Heating	72	73.5	78	81	-	-	-	-
Enthalpy exchange enticlency (78)	Cooling	70.5	72.5	78	81	-	-	-	-
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	er) 39 32 24 18 40.5 33 26			18				
Weight (kg)		98							

Characteristic Curves





[■] For LGH-RVX and LGH-RVXT series

*The running current, the input power, the efficiency and the noise are based on the rated airflow, 230V/50Hz, and 220V/60Hz.

*Figures in the chart is measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.

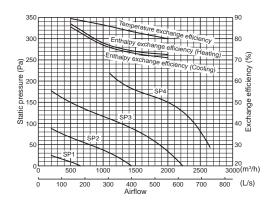
*For specifications at other frequencies, contact your dealer.

Commercial Use Lossnay Specifications

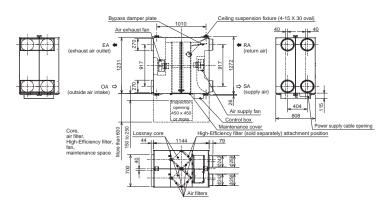
LGH-200RVX-E

Electrical power supply				2:	20-240V/50H	Hz, 220V/60H	łz			
Ventilation mode		Heat recovery mode					Bypass mode			
Fan speed		SP4	SP3	SP2	SP1	SP4 SP3 SP2 SF				
Running current (A)		4.88	2.20	0.88	0.33	4.54 2.06 0.87 0.			0.35	
Input power (W)		850	400	153	42	853 372 150 4			49	
Airflow	(m ³ /h)	2000	1500	1000	500	2000	1500	1000	500	
All Hove	(L/s)	556	417	278	139	556	417	278	139	
External static pressure (Pa)		150	84	38	10	150	84	38	10	
Temperature exchange efficiency (%)	80	83	86.5	89.5	-	-	-	-	
Enthalpy exchange efficiency (%)	Heating	72.5	74	78	87	-	-	-	-	
Entirally exchange eniciency (78)	Cooling	71	73	77	85.5	-	-	-	-	
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	40	36	28	18	41 36 27 19			19	
Weight (kg)		110								

Characteristic Curves



Dimensions



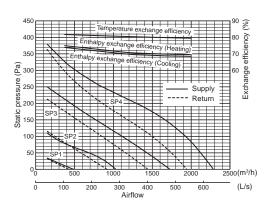
Unit: mm

RVXT Series

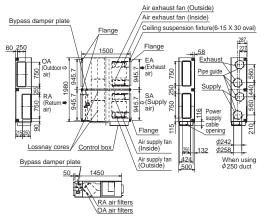
LGH-150RVXT-E

Electrical power supply		220-240V/50Hz, 220V/60Hz					Ηz		
Ventilation mode			Heat recovery mode				Bypass	mode	
Fan speed		SP4 SP3 SP2 SP1 SP4 SP3 SP2					SP1		
Running current (A)		4.30	2.40	1.10	0.36	3.40	3.40 1.80 0.77 0		
Input power (W)		792	421	176	48	625 334 134 :			37
Airflow	(m ³ /h)	1500	1125	750	375	1500	1125	750	375
All Hove	(L/s)	417	313	208	104	417	313	208	104
External static pressure (Pa)	Supply	175	98	44	11	175	98	44	11
External static pressure (ra)	Return	100	56	25	6	100	56	25	6
Temperature exchange efficiency (%)	80	80.5	81	81.5	-	-	-	-
Enthalpy exchange efficiency (%)	Heating	70	71	73	75	-	-	-	-
Littialpy exchange efficiency (70)	Cooling	69	70	72	74	-	-	-	-
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	39.5	35.5	29.5	22	39 33 26.5 20			20.5
Weight (kg)		156							

Characteristic Curves



Dimensions



^{*}The running current, the input power, the efficiency and the noise are based on the rated airflow, 230V/50Hz, and 220V/60Hz.

*Figures in the chart is measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.

*For specifications at other frequencies, contact your dealer.

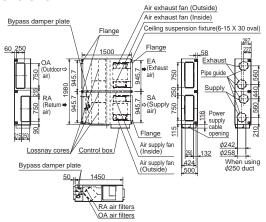
LGH-200RVXT-E

Electrical power supply		220-240V/50Hz, 220V/60Hz							
Ventilation mode			Heat recov	very mode			Bypass	mode	
Fan speed		SP4	SP3	SP2	SP1	SP4	SP1		
Running current (A)		5.40	2.70	1.10	0.39	5.00	2.20	0.85	0.34
Input power (W)		1000	494	197	56	916	407	150	45
Airflow	(m ³ /h)	2000	1500	1000	500	2000	1500	1000	500
Airilow	(L/s)	556	417	278	139	556	417	278	139
External static pressure (Pa)	Supply	175	98	44	11	175	98	44	11
External static pressure (Fa)	Return	100	56	25	6	100	56	25	6
Temperature exchange efficiency (%)	80	81	82.5	84	-	-	-	-
Enthalpy exchange efficiency (%)	Heating	72.5	73.5	77	83	-	-	-	-
Littialpy exchange efficiency (78)	Cooling	70	71	74.5	80.5	-	-	-	-
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	39.5	35.5	28	22	40.5 34.5 27 20			20.5
Weight (kg)		159							

Characteristic Curves

Temperature exchange efficiency Enthalpy exchange efficiency (Heating) Enthalpy exchange efficiency (Cooling) Supply Supply SP4 9 Exchange Static pressure (3000 (m³/h) 800 (L/s) 200

Dimensions

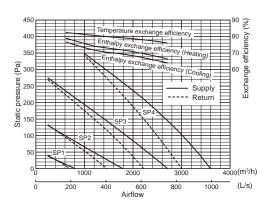


Unit: mm

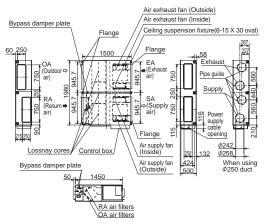
LGH-250RVXT-E

Electrical power supply				2	20-240V/50H	tz, 220V/60H	Hz		
Ventilation mode			Heat recov	very mode			Bypass	mode	
Fan speed		SP4 SP3 SP2 SP1 SP4 SP3 SP2					SP1		
Running current (A)		7.60	3.60	1.40	0.57	6.90	3.10	1.30	0.49
Input power (W)		1446	687	244	82	1298	587	212	69
Airflow	(m ³ /h)	2500	1875	1250	625	2500	1875	1250	625
Airnow	(L/s)	694	521	347	174	694	521	347	174
External static pressure (Pa)	Supply	175	98	44	11	175	98	44	11
External static pressure (i a)	Return	100	56	25	6	100	56	25	6
Temperature exchange efficiency (%)	77	79	80.5	82.5	-	-	-	-
Enthalpy exchange efficiency (%)	Heating	68	71.5	74	79	-	-	-	-
Littralpy exchange efficiency (70)	Cooling	65.5	69	71.5	76.5	-	-	-	-
Noise (dB) (Measured at 1.5m under	the center of the unit in an anechoic chamber)	43	39	32	24	44	44 38.5 31 22		
Weight (kg)		198							

Characteristic Curves



Dimensions



[■]For LGH-RVX and LGH-RVXT series

^{*}The running current, the input power, the efficiency and the noise are based on the rated airflow, 230V/50Hz, and 220V/60Hz.

*Figures in the chart is measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.

*For specifications at other frequencies, contact your dealer.

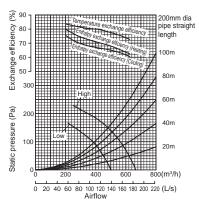
Commercial Use Lossnay Specifications

GUF Series

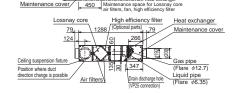
GUF-50RD4

Electrical power supply				220-240)V/50Hz				
Ventilation mode			Heat reco	very mode	Bypass	s mode			
Fan speed			High	Low	High	Low			
Running current (A)			1.15	0.70	1.15	0.70			
Input power (W)			235-265	150-165	235-265	150-165			
A ' - ft -		(m³/h)	500	400	500	400			
Airflow		(L/s)	139	111	139	111			
External static pressure (P	Pa)		140	90	140				
Temperature exchange eff	fficiency (%)		77.5	80	-	-			
Enthalpy exchange efficier		Heating	68	71	-	-			
Enthalpy exchange efficier	ency (%)	Cooling	65	67	-	-			
Cooling capacity (kW)	,			5.57	(1.94)				
Heating capacity (kW)				6.21	(2.04)				
Capacity equivalent to the	e indoor unit			PS	32				
Hu	umidifying			-	-				
Humidifier Hu	umidifying cap	acity (kg/h)			-				
Wa	ater supply pre	essure		-	-				
Noise (dB) (Measured a	at 1.5m unde	r the center of the unit in an anechoic chamber)	33.5-34.5	29.5-30.5	35-36	29.5-30.5			
Weight (kg)	Veight (kg)			4	8				

Characteristic Curves



Dimensions Position where duct direction change is possible Bypass damper plate Ceiling suspension fixture Air supply fan



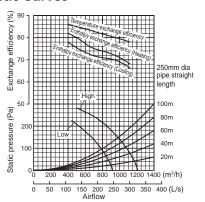
wer supply cable opening

Unit: mm

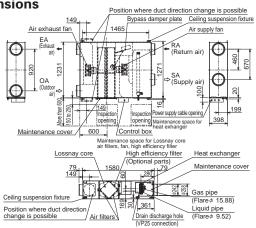
GUF-100RD4

Electrical power supply				220-240	OV/50Hz		
Ventilation mode			Heat reco	very mode	Bypass	mode	
Fan speed			High	Low	High	Low	
Running current (A)			2.20	1.73	2.25	1.77	
Input power (W)			480-505	370-395	490-515	385-410	
Airflow		(m³/h)	1000	800	1000	800	
Alrilow		(L/s)	278	222	278	222	
External static pressure (Pa)			140	90	140	90	
Temperature exchange efficience	y (%)		79.5	81.5			
Enthalpy exchange efficiency (9	1	Heating	71	74	-	-	
Entrialpy exchange entriency (')	Cooling	69	71	-	-	
Cooling capacity (kW)				11.44	(4.12)		
Heating capacity (kW)				12.56	(4.26)		
Capacity equivalent to the indo	r unit			Pe	63		
Humidif	ing			-	-		
Humidifier Humidifi	ing cap	pacity (kg/h)		-	-		
Water s	Water supply pressure			-	-		
Noise (dB) (Measured at 1.5	n unde	er the center of the unit in an anechoic chamber)	38-39 34-35		38-39 35-36		
/eight (kg)			82				

Characteristic Curves



Dimensions



[■]For GUP series

**Cooling/Heating capacity indicates the maximum value at operation under the following condition.

Cooling: Indoor: 27°C DB/19°C WB Outdoor: 35°C DB/24°C WB

Heating: Indoor: 20°C DB/13.8°C WB Outdoor: 7°C DB/6°C WB

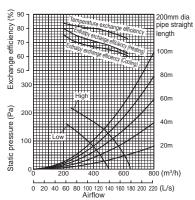
**The figures in () indicates heat recoverying capacity of heat exchange core.

**Figures in the chart are measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.

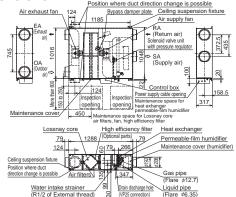
GUF-50RDH4

Electrical power supply	Electrical power supply 220-240V/50Hz							
Ventilation mode			Heat reco	very mode	Bypas	s mode		
Fan speed			High	Low	High	Low		
Running current (A)			1.15	0.70	1.15	0.70		
Input power (W)			235-265	150-165	235-265	150-165		
A:=fl=		(m³/h)	500	400	500	400		
Airflow		(L/s)	139	111	139	111		
External static pressure	e (Pa)		125	80	125	80		
Temperature exchange	efficiency (%)		77.5	80				
Fathalas asabasas affia	nthalpy exchange efficiency (%)		68	71	-	-		
Enthalpy exchange enic	ciency (%)	Cooling	65	67	-	-		
Cooling capacity (kW)				5.57	(1.94)			
Heating capacity (kW)				6.21	(2.04)			
Capacity equivalent to t	the indoor unit			P;	32			
ŀ	Humidifying			Permeable fi	lm humidifier			
Humidifier I	Humidifying cap	pacity (kg/h)		2.7 (he	eating)			
١	Water supply pr	essure	Minimum	pressure : 2.0 × 10 ⁴ Pa	Maximum pressure : 49.	0 × 10 ⁴ Pa		
Noise (dB) (Measured	d at 1.5m unde	er the center of the unit in an anechoic chamber)	33.5-34.5	29.5-30.5	35-36 29.5-30.5			
Weight (kg)				51 (filled wi	th water 55)			

Characteristic Curves



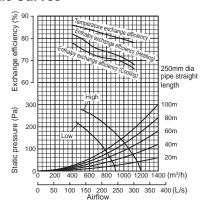
Dimensions



GUF-100RDH4

Electrical power supply				220-24	0-240V/50Hz				
Ventilation mode			Heat reco	very mode	Bypas	s mode			
Fan speed			High	Low	High	Low			
Running current (A)			2.20	1.76	2.25	1.77			
Input power (W)			480-505	385-400	490-515	385-410			
Airflow		(m ³ /h)	1000	800	1000	800			
Alfilow		(L/s)	278	222	278	222			
External static pressure (Pa)			135	86	135	86			
Temperature exchange efficier	ncy (%)		79.5	81.5					
Enthalpy exchange efficiency (0/ \	Heating	71	74		-			
Entrialpy exchange eniciency (70)	Cooling	69	71	-	-			
Cooling capacity (kW)				11.44	(4.12)				
Heating capacity (kW)				12.56	(4.26)				
Capacity equivalent to the inde	oor unit			Pi	63				
Humidi	fying			Permeable fi	lm humidifier				
Humidifier Humidi	fier Humidifying capacity (kg/h)			5.4 (heating)					
Waters	supply pr	essure	Minimum	pressure : 2.0 × 10 ⁴ Pa	Maximum pressure : 49.	0 × 10 ⁴ Pa			
Noise (dB) (Measured at 1.5	5m unde	er the center of the unit in an anechoic chamber)	38-39	34-35	38-39	35-36			
Weight (kg)				88 (filled wi	th water 96)				

Characteristic Curves



Dimensions Air exhaust fan Maintenance cover, 600 Control box Heat exchanger Permeable-film humidifier 79 149 Maintenance cover (humidifier) Gas pipe (Flare φ15.88) Liquid pipe (Flare ϕ 9.52) Water intake strainer (R1/2 of External thread)

Unit: mm

Optimized System Integration

List of Remote Controller Settings and Functions

The remote controller provides a wide range of functions and features in addition to the main functions described below, such as sophisticated energy saving control and easy user interface.

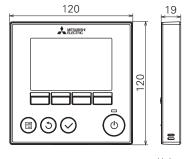
Rentilation mode selection Energy recovery / Bypass / Auto Rentilation mode selection Rentilation mode selection Yes No No Rentilation setting from RC Response setting from RC Response setting from RC Response setting from RC Reater-On temp. free setting from RC Rentilation Response setting from RC Response setting from RC Response setting from RC No Reater-On temp. free setting from RC Response setting from RC No Reater-On temp. free setting from RC No No Reater-On temp. free setting from RC No Reater-On temp. free setting from RC No No Reater-On temp. free setting from RC No No Reater-On temp. free setting from RC No Reater-On temp. free setting from No Reater-On temp. free setting from No Reater-O	Function (Communicating mode)	PZ-61DR-E	PZ-43SMF-E
Alght-purge setting (time and fan speed) Yes No Production setting from RC Pyes No Reater-On temp. free setting Yes No Reater-On temp. free setting No Reater-On temp. free setting Yes No Reater-On temp. free setting No Reater-On temp. free setting Yes No Reater-On temp. free setting No Reater-On temp. free setting Yes No No Reater-On temp. free setting No Rea	Fan speed selection	4 fan speeds	2 of 4 fan speeds
Principle of the property of t	Ventilation mode selection	Energy recovery / Bypass / Auto	Energy recovery / Bypass / Auto
Aypass temp. free setting Yes No Heater-On temp. free setting Yes No 1-10VDC external input Yes Yes Yes No	Night-purge setting (time and fan speed)	Yes	No
Heater-On temp. free setting Yes No Finan power up after installation Yes No	Function setting from RC	Yes	No
Ran power up after installation Yes No 1-10VDC external input Yes Yes Yes No No No No No No No No No N	Bypass temp. free setting	Yes	No
P-10VDC external input Yes Yes No N/OFF timer Yes No No Neekly timer Yes No Operation restrictions (ON/OFF, Ventilation mode, fan speed) Operation restrictions (Fan speed skip setting) Yes No Operation restrictions (Pan speed skip setting) No Operation restrictions (Pan speed skip setting) Yes No Operation restrictions (Pan speed skip setting) No Ope	Heater-On temp. free setting	Yes	No
No No Neekly timer Yes No	Fan power up after installation	Yes	No
Auto-Off timer Ves No Neekly timer Yes No Operation restrictions (ON/OFF, Ventilation mode, fan speed) Operation restrictions (Fan speed skip setting) Operation restrictions (Fan speed skip setting) Yes No Screen contrast adjustment Yes No Anguage selection Yes (8 languages)* No (English only) No Filter cleaning sign Yes Operation restrictions (Fan speed skip setting) Yes No No Firor indication Yes No Yes	0 - 10VDC external input	Yes	Yes
Weekly timer Yes No Operation restrictions (ON/OFF, Ventilation mode, fan speed) Yes No Operation restrictions (Fan speed skip setting) Yes No Analysis No (English only) Initializing Yes Yes Operation restrictions (Fan speed skip setting) Yes No Initializing Yes Yes Operation restrictions (Fan speed skip setting) Yes No Initializing Yes Yes Operation restrictions (Fan speed skip setting) Yes No Initializing Yes Yes No Initializing Yes Yes Yes Initializing <td< td=""><td>ON/OFF timer</td><td>Yes</td><td>Yes</td></td<>	ON/OFF timer	Yes	Yes
Operation restrictions (ON/OFF, Ventilation mode, fan speed) Operation restrictions (Fan speed skip setting) Operation restric	Auto-Off timer	Yes	No
Operation restrictions (Fan speed skip setting) Operation restrictions (Fan speed skip setting) Operation restrictions (Fan speed skip setting) Yes No No Initializing Yes No Itter cleaning sign Yes Ossnay core cleaning sign Yes No Tror indication Yes No	Weekly timer	Yes	No
Screen contrast adjustment Yes No Language selection Yes (8 languages)* No (English only) Initializing Yes No Filter cleaning sign Yes Yes Lossnay core cleaning sign Yes No Error indication Yes Yes Error history Yes No	Operation restrictions (ON/OFF, Ventilation mode, fan speed)	Yes	No
Language selection Yes (8 languages)* No (English only) Initializing Yes No Filter cleaning sign Yes Yes Lossnay core cleaning sign Yes No Error indication Yes Yes Error history Yes No	Operation restrictions (Fan speed skip setting)	Yes	No
nitializing Yes No ilter cleaning sign Yes Ossnay core cleaning sign Yes No rror indication Yes Yes Yes Yes Yes No Yes No	Screen contrast adjustment	Yes	No
rilter cleaning sign Yes Yes cossnay core cleaning sign Yes No Error indication Yes Yes Error history Yes No	Language selection	Yes (8 languages)*	No (English only)
Cossnay core cleaning sign Yes No Fror indication Yes Yes Fror history Yes No	Initializing	Yes	No
rror indication Yes Yes Fror history Yes No	Filter cleaning sign	Yes	Yes
Error history Yes No	Lossnay core cleaning sign	Yes	No
	Error indication	Yes	Yes
DA/RA/SA temp. display Yes No	Error history	Yes	No
	OA/RA/SA temp. display	Yes	No

^{*}The 8 languages are English, German, French, Spanish, Italian, Portuguese, Russian and Swedish.

Controllers

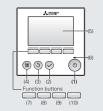
Lossnay Remote Controller (PZ-61DR-E)



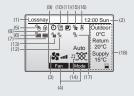


Unit: mm

Operation section



Display section



- (1) Press to turn ON/OFF the Lossnay unit.
- (2) Press to save the setting.(3) Press to return to the previous screen.(4) Press to bring up the Main menu.

- (5) Operation settings will appear. When the backlight is off, pressing any button turns the backlight on and it will stay lit for a certain period of time depending on the screen.
- (6) This lamp lights up in green while the unit is in operation. It blinks while the remote controller is starting up or when there is an error.

 (7) Main menu: Press to move the cursor down.
- (8) Main display: Press to change the fan speed. Main menu: Press to move the cursor up.
- (9) Main display: Press to change the ventilation mode. Main menu: Press to go to the previous page.
 (10) Main menu: Press to go to the next page.

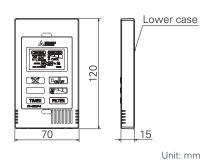
- (1) Lossnay is always displayed.

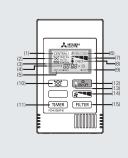
- (1) Lossnay is aways displayed.
 (2) Current time appears here.
 (3) Fan speed setting appears here.
 (4) Functions of the corresponding buttons appear here.
 (6) Appears when the ON/OFF operation is centrally controlled.
 (6) Appears when the filter reset function is centrally controlled.

- (6) Appears when the filter reset function is centrally controlled.
 (7) Indicates when the filter and/or Lossnay core needs maintenance.
 (8) Appears when the buttons are locked and/or a fan speed is skipped.
 (9) Appears when the On/Off timer or Auto-off timer function is enabled.
 (10) Appears when the Weekly timer is enabled.
 (11) Appears when the night-purge function is available.
 (12) Appears when performing operation to protect the equipment.
 (13) Appears when performing the power supply/exhaust function or the delay operation at the start of operation.
 (14) Indicates the verificiation mode setting.
- (14) Indicates the ventilation mode setting.
- (15) Appears when external fan speed operation.
 (16) Appears when operation is interlocked with the external unit.
- (17) Appears when external ventilation mode operation.(18) Displays the outdoor temperature, return temperature, and supply temperature (calculated value).

Lossnay Remote Controller (PZ-43SMF-E)







- (1) Displayed during remote operation is prohibited by the centralized control unit, etc
- (2) Displays the ventilation mode status.

₩ HEAT EX. Heat exchange By-pass ← BY-PASS Automatic (HEAT EX./BY-PASS) HEAT EX. or AUTO

AUTO

BY-PASS

- (3) Displayed while the Lossnay remote controller is powered on.
- (4) Displays on-timer or off-timer duration.
- (5) When a button is pressed for a function which the Lossnay unit cannot perform, this display flashes concurrently with the display of the function.
- (6) Displayed when the Lossnay starts off by interlocked indoor unit or external signal.
 (7) Displays the selected fan speed.
- (8) Displayed together with the malfunctioning unit (3 digits) and an error code (4 digits).
- (9) Displayed when the accumulated operating time reaches the time set for filter maintenance.

 (10) Used to select the ventilation mode among heat exchange, by-pass
- or automatic (11) Increasing 0:30 by pressing it once. Keep pressing the button for

- fast-forwarding.

 (12) Switch for start and stop.

 (13) On during operation. Flashes when a malfunction occurs.

 (14) Used to select the fan speed either "Low" or "High".



(15) Press twice to reset the filter sign display.

Filters

Standard Filters

Replacements for the standard filter supplied with the Lossnay main unit.



		Filter			Lossnay	
Filter	Classif	ication	Model Name	Included	Applicable model	Required
Material	ISO 16890	EN779 (2012)	iviouei name	piece/set	Applicable filodel	filter pieces
			PZ-15RF8-E	2	LGH-15RVX-E	2
			PZ-25RF ₈ -E	4	LGH-25RVX-E	4
	Coarse 35%		PZ-35RF ₈ -E	4	LGH-35RVX-E	4
		G3*	PZ-50RF ₈ -E	4	LGH-50RVX-E, GUF-50RD4, GUF-50RDH4	4
			PZ-65RF ₈ -E	4	LGH-65RVX-E	4
Non-woven Fabrics			PZ-80RFs-E	4	LGH-80RVX-E	4
1 051100			PZ-8UNF8-E	4	LGH-150RVX-E	8
			PZ-100RFs-E	4	LGH-100RVX-E, GUF-100RD4, GUF-100RDH4	4
			PZ-100NF8-E	4	LGH-200RVX-E	8
	C F00/	60	PZ-150RTF-E	4	LGH-150RVXT-E	4
	Coarse 50%	G3	PZ-250RTF-E	4	LGH-200RVXT-E, LGH-250RVXT-E	4

^{*}The classification in EN779 (2002) is G3.

High-efficiency Filters Optional

These high-efficiency filters can be easily inserted in the Lossnay unit without the need to attach external parts.



		Filter	Lossnay			
Filter	Classif	ication	Model Name	Included	Applicable model	Required
Material	ISO 16890	EN779 (2012)	Wiodel Name	piece/set	Applicable filodel	filter pieces
			PZ-15RFM-E	1	LGH-15RVX-E	1
			PZ-25RFM-E	2	LGH-25RVX-E	2
			PZ-35RFM-E	2	LGH-35RVX-E	2
0 11 11			PZ-50RFM-E	2	LGH-50RVX-E, GUF-50RD4, GUF-50RDH4	2
Synthetic fiber	ePM ₁₀ 75%	M6*	PZ-65RFM-E	2	LGH-65RVX-E	2
11201			PZ-80RFM-E	2	LGH-80RVX-E	2
			FZ-OUNFIVI-E	2	LGH-150RVX-E	4
			PZ-100RFM-E	2	LGH-100RVX-E, GUF-100RD4, GUF-100RDH4	2
			PZ-TOURFIVI-E	2	LGH-200RVX-E	4

^{*}The classification in EN779 (2002) is F7.

Advanced High-efficiency Filters (For LGH-RVX and GUF Series) Optional

These advanced high-efficiency filters are designed to remove approx. 99.7% of airborne particulates that are 0.5µm or larger.

*GB/T14295-2008 : YG class, 99.7% (Collecting efficiency for particles that are 0.5 μ m or larger)



		Filter			Lossnay	
Filter	Classif	ication		Included		Required
Material	ISO 16890	ASHRAE 52.2 (2017)	Model Name	piece/set	Applicable model	filter pieces
			PZ-15RFP ₂ -E	1	LGH-15RVX-E	1
		MERV16	PZ-25RFP ₂ -E	2	LGH-25RVX-E	2
			PZ-35RFP ₂ -E	2	LGH-35RVX-E	2
0 11 1:	ePM1 75%		PZ-50RFP ₂ -E	2	LGH-50RVX-E, GUF-50RD4, GUF-50RDH4	2
Synthetic fiber	ePM _{2.5} 80%		PZ-65RFP2-E	2	LGH-65RVX-E	2
	ePM ₁₀ 95%		PZ-80RFP2-E	2	LGH-80RVX-E	2
			FZ-OUNFF2-E	2	LGH-150RVX-E	4
			PZ-100RFP ₂ -E	2	LGH-100RVX-E, GUF-100RD4, GUF-100RDH4	2
			FZ-100RFP2-E	2	LGH-200RVX-E	4

Advanced High-efficiency Filters (For LGH-RVXT Series) Optional

These advanced high-efficiency filters can be easily inserted in the Lossnay unit without the need to attach external parts.



		Filter			Lossnay			
Filter Classification			Model Name	Included	Applicable model	Required		
Material	Material ISO 16890 EN779 (2		iviouei name	piece/set	Applicable model	filter pieces		
	ePM10 75%	M6*	PZ-M6RTFM-E	3				
Non-woven Fabrics	ePM1 65% ePM2.5 75% ePM10 90%		PZ-F8RTFM-E	3	LGH-150RVXT-E, LGH-200RVXT-E, LGH-250RVXT-E	3		

^{*}There is no data for the classification in EN779 (2002).

Optional Dx-coil Unit for Lossnay

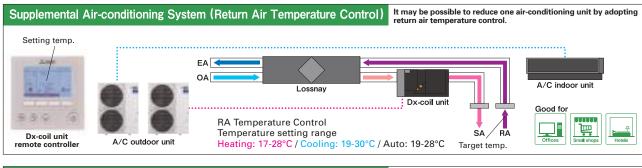
Supply Comfortable Control

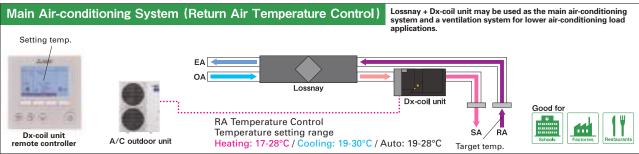
Product Features

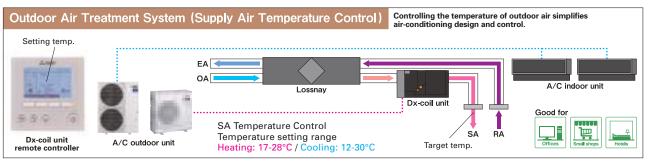
- Lossnay return air and supply air temperature control are possible by connecting the Dx-coil unit to Mr. Slim (power inverter series).
- Connecting the Dx-coil unit will expand Lossnay's temperature control range (500-2,500 CMH).
 Suitable for various applications such as offices, shops and schools etc.



Application Examples

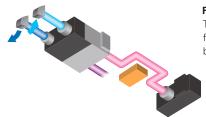






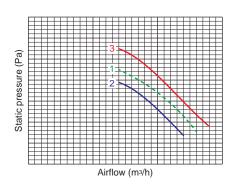
*The above images of using the LGH-RVXT Series are simply examples for reference.

Flexible Installation



Flexible Connection to Lossnay

The length of the connection cable (accessory) between the Lossnay and Dx-coil unit is about 6m, so flexible installation is possible (two units can be installed close together or far apart with straight or bent ducting).



To Keep High Static Pressure

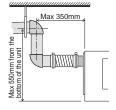
P-Q curve image

- 1. Lossnay unit
- 2. Lossnay unit + Dx-coil unit
- 3. Lossnay unit (fan power-up +4) + Dx-coil unit

Dx-coil unit static pressure loss is kept to a minimum, making it possible to maintain high static pressure using the fan power-up function of the Lossnay. The fan power-up function is only available when used with the PZ-61DR-E Lossnay remote controller.

Drain Pump Equipment

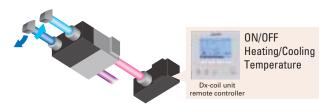
A built-in drain pump makes attaching the drain hose in the ceiling cavity easy, resulting in simple and fast installation.



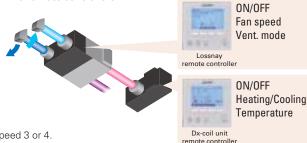
User-friendly System Control

Flexible Remote Controller Selection

(A) One remote controller



(B) Two remote controllers



When using only one remote controller, Lossnay fan speed is fixed at fan speed 3 or 4.

When using two remote controllers, all Lossnay functions are available.

- *1: Lossnay unit and Dx-coil unit both will synchronously switch on and off.
- *2: When one of the two remote controllers is turned ON, the other remote controller turns ON synchronously.

Priority Mode Selection

Temperature priority mode (factory setting) or Fan speed priority mode are selectable when Lossnay unit fan speed is controlled by a CO₂-sensor or a BMS (analog input (0 - 10 VDC) or a volt-free input).

*During fan speed 1 or 2, the Dx-coil unit is always set to thermo-OFF

	Operation	Fan speed order	Actual fan speed				
	mode	from external input	Temp. priority	Fan speed priority			
	11 - 2	FS4	FS4	FS4			
	Heating	FS3	FS3	FS3			
	Cooling	FS2	FS3	FS2			
	Cooming	FS1	FS3	FS1			
		FS4	FS4	FS4			
	Fan	FS3	FS3	FS3			
		FS2	FS2	FS2			
		FS1	FS1	FS1			

Specifications

GUG-01SL-E (Connection to LGH-50RVX-E or LGH-65RVX-E)

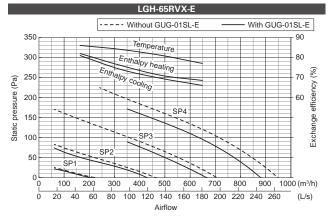


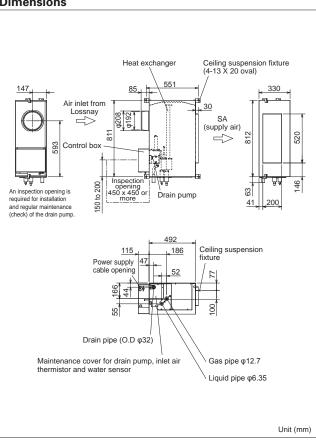
GUG-01SL-E

Refrigerant		R410A	R410A								
Electrical power supp	oly	220-240V / 50Hz	, 220V / 60Hz (Sup	plied from outdoor	unit)						
Input power		Heating / Fan: 2.5	Heating / Fan: 2.5W, Cooling: 12.4W								
Running current		Less than 0.1A									
Weight		21kg *Accesso	ries: Approx. 1kg								
Function		Heating / Cooling	/ Auto / Fan *Au	ito is only available	for RA temperatur	re control					
Function		RA (Return Air) to	emperature control								
	RA (Return Air) temperature control										
Connectable Lossnay	/ unit		LGH-50	DRVX-E			LGH-6	5RVX-E			
Capacity [kW]	Heating		6.5 (2.4	1 + 4.1)			7.7 (3.2	2 + 4.5)			
Capacity [KVV]	Cooling		5.6 (2.0 + 3.6) 6.6 (2.6 + 4.0)								
SHF			0.	66			0.	69			
Performance index	Heating		4.	09			4.	72			
Performance index	Cooling		4.	69		5.03					
Airflow range at SP3	and SP4		350 - 6	95 m³/h			350 - 9	00 m³/h			
Connectable outdoor	unit		PUHZ-	ZRP35			PUHZ-	-ZRP35			
Fut minima			Diameter Liquic	I / Gas: 6.35 / 12.7		Diameter Liquid / Gas: 6.35 / 12.7					
Ext. piping		Max	imum length: 50m,	Maximum height:	30m	Max	imum length: 50m	, Maximum height:	30m		
					Ventilation s	pecifications					
Fan speed		SP4	SP3	SP2	SP1	11 SP4 SP3 SP2 SP1					
Airflow	[m ³ /h]	500 375 250 125 650 488 325 1									
Allilow	[L/s]	139	104	69	35	181	135	90	45		
External static pressu	ıre [Pa]	105	59	26	7	95	53	24	6		

Characteristic Curves

-- Without GUG-01SL-E With GUG-01SL-E 350 Temperature Enthalpy heating 300 80 70 Static pressure (Pa) 60 200 150 Exchange _SP3 SP2 50 SP1 700 (m³/h) 500 100 200 300 400 600 40 60 100 160 180 Airflow





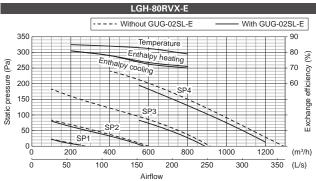
GUG-02SL-E (Connection to LGH-80RVX-E or LGH-100RVX-E)

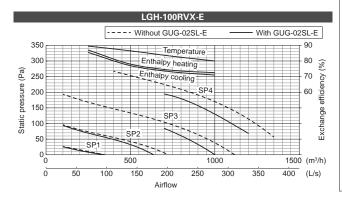


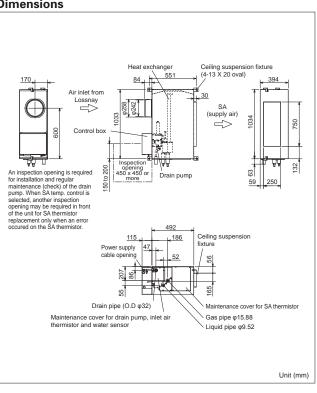
GUG-02SL-E

Refrigerant			R410A 220-240V / 50Hz, 220V / 60Hz (Supplied from outdoor unit)										
Electrical power supp	oly				r unit)								
Input power		Heating / Fan: 2.5	5W, Cooling: 12.4W	I									
Running current		Less than 0.1A											
Weight		26kg *Accesso	ries: Approx. 1kg										
		Heating / Cooling	/ Auto / Fan *Au	ito is only available	for RA temperatur	re control		-					
Function		RA (Return Air) to	emperature control	/ SA (Supply Air) t	emperature contro								
		RA (Return Air) temperature control / SA (Supply Air) temperature control [Must be set at initial setting and not possible to change from remote controller]											
		RA (Return Air) temperature control											
Connectable Lossnay	y unit		LGH-80	RVX-E				0RVX-E					
Conneity [IAM]	Heating		10.0 (4.	0 + 6.0)			13.2 (5	.1 + 8.1)					
Capacity [kW]	Cooling		8.3 (3.3	3 + 5.0)			11.3 (4.	2 + 7.1)					
SHF			0.	69			0.	66					
Performance index	Heating			62				42					
	Cooling			76				98					
Airflow range at SP3	and SP4		560 - 12	200 m ³ /h			700 - 12	200 m ³ /h					
Connectable outdoor	unit		PUHZ-	ZRP50		PUHZ-ZRP71							
Ext. piping			Diameter Liquic	/ Gas: 6.35 / 12.7			Diameter Liquid	/ Gas: 9.52 / 15.88	3				
Ext. pipirig		Max	imum length: 50m,	Maximum height:	30m	Max	imum length: 50m	, Maximum height:	30m				
Required optional pa	rts		PAC-SH30RJ-E at	nd PAC-SH50RJ-E				-					
		SA (Supply Air) temperature control											
Connectable Lossna	y unit		LGH-80	RVX-E			LGH-100RVX-E						
Capacity [kW]	Heating		10.0 (4.	0 + 6.0)			11.4 (5.	1 + 6.3)					
	Cooling 8.3 (3.3 + 5.0) 9.5 (4.2 + 5.3)												
SHF			0.69 0.73										
Performance index	Heating			62		5.09							
	Cooling 4.76					5.	43						
Airflow range at SP3	and SP4		560 - 12	200 m ³ /h			700 - 12	200 m³/h					
Connectable outdoor	unit		PUHZ-	ZRP50			PUHZ-	ZRP50					
Ext piping				/ Gas: 6.35 / 12.7			Diameter Liquid	d / Gas: 6.35 / 12.7					
Ext. piping		Max	imum length: 50m,	Maximum height:	30m	Maximum length: 50m, Maximum height: 30m							
Required optional pa	rts		PAC-SH30RJ-E at	nd PAC-SH50RJ-E		PAC-SH30RJ-E and PAC-SH50RJ-E							
				Ventilation spec	ifications								
Connectable Lossna	y unit			RVX-E		_		0RVX-E					
Fan speed		SP4	SP3 SP2 SP1 SP4 SP3 SP2 SP1										
Airflow	[m ³ /h]	800	800 600 400 200 1,000 750 500 29										
AITIOW	[L/s]	222	167	111	56	278	208	139	69				
External static pressu	ure [Pa]	130	73	33	8	130 73 33 8							

Characteristic Curves







Specifications

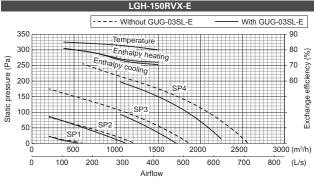
GUG-03SL-E (Connection to LGH-150RVX-E or LGH-200RVX-E)

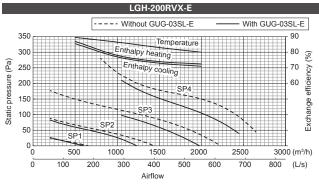


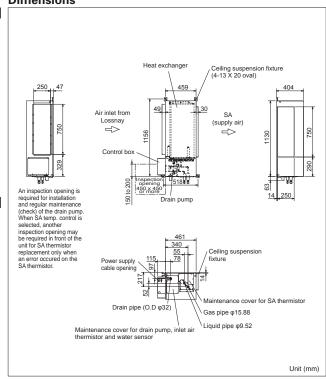
GUG-03SL-E

Refrigerant			R410A										
Electrical power supp	ly		220-240V / 50Hz, 220V / 60Hz (Supplied from outdoor unit) Heating / Fan: 2.5W, Cooling: 12.4W										
Input power			5W, Cooling: 12.4W										
Running current		Less than 0.1A											
Weight			ries: Approx. 1kg										
			ا / Auto / Fan * Au										
Function		RA (Return Air) temperature control / SA (Supply Air) temperature control [Must be set at initial setting and not possible to change from remote controller]											
		RA (Return Air) temperature control											
Connectable Lossnay	unit unit		LGH-15	0RVX-E			LGH-20	0RVX-E					
Conneity [IAM]	Heating		20.7 (7.7	7 + 13.0)			23.8 (10	.3 + 13.5)					
Capacity [kW]	Cooling		15.8 (6.	3 + 9.5)			18.4 (8.	4 + 10.0)					
SHF			0.	68			0.	76					
Performance index	Heating		4.	24			5.	02					
Performance index	Cooling		5.	27			5.	86					
Airflow range at SP3	and SP4		1050 - 2250 m³/h				1050 - 2600 m³/h						
Connectable outdoor	unit	PUHZ-ZRP100					PUHZ-	ZRP100					
Fut minima			Diameter Liquid	/ Gas: 9.52 / 15.88	3		Diameter Liquid	/ Gas: 9.52 / 15.88	3				
Ext. piping		Max	imum length: 75m,	Maximum height:	30m	Max	imum length: 75m	, Maximum height:	30m				
					SA (Supply Air) te	mperature control							
Connectable Lossnay	unit unit		LGH-15	0RVX-E			LGH-20	0RVX-E					
Conneity [IAM]	Heating		16.6 (7.	7 + 8.9)		19.5 (10.3 + 9.2)							
Capacity [kW]	Cooling		13.4 (6.	3 + 7.1)		15.9 (8.5 + 7.4)							
SHF			0.	85			0.	90					
Performance index	Heating		5.	46			6.	30					
Periormance index	Cooling		5.	32			5.	85					
Airflow range at SP3	and SP4		1050 - 2	250 m ³ /h			1050 - 2	600 m ³ /h					
Connectable outdoor	unit		PUHZ-	ZRP71			PUHZ-	ZRP71					
Fig. states			Diameter Liquid	/ Gas: 9.52 / 15.88	3		Diameter Liquid	/ Gas: 9.52 / 15.88	3				
Ext. piping Maximum length: 50m, Maximum height: 30m						Maximum length: 50m, Maximum height: 30m							
		Ventilation specifications											
Connectable Lossnay unit LGH-150RVX-E LGH-200RVX-E													
Fan speed	an speed SP4 SP3 SP2 SP1 SP4 SP3 SP2 S								SP1				
Airflow	[m ³ /h] 1500 1125 750 375 2,000 1500 1,000						500						
Allilow	[L/s]	417	313	208	104	556	417	278	139				
External static pressu	ire [Pa]	150	84	38	9	105	59	26	7				

Characteristic Curves



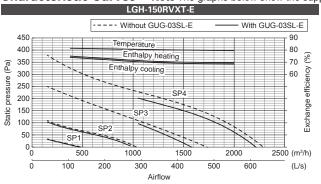


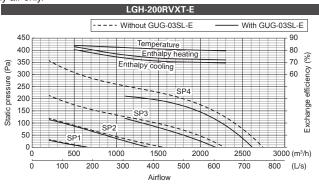


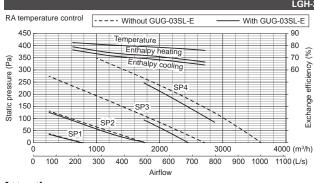
GUG-03SL-E (Connection to LGH-150RVXT-E, LGH-200RVXT-E or LGH-250RVXT-E)

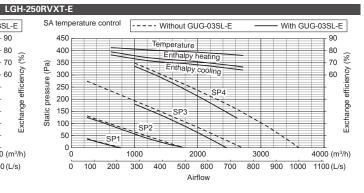
Refrigerant		R410A													
Electrical power supp	oly	220-240V /	50Hz, 220V	/ 60Hz (Sup	oplied from o	utdoor unit)									
Input power		Heating / Fa	an: 2.5W, Co	oling: 12.4V	V										
Running current		Less than 0													
Weight		28kg *Ac	cessories: A	pprox. 1kg											
		Heating / C	ooling / Auto	/Fan *Aı	uto is only av	vailable for RA temperature control									
Function		RA (Return	Air) tempera	ature control	/ SA (Suppl	ply Air) temperature control									
		[Must be se	[Must be set at initial setting and not possible to change from remote controller]												
						RA (F		emperature c	ontrol						
Connectable Lossnay			LGH-150	· · · · · · · · · · · · · · · · · · ·				ORVXT-E				0RVXT-E			
Capacity [kW]	Heating		20.4 (7.4		-		23.8 (10.					.1 + 14.0)			
. , ,	Cooling		15.7 (6.		-		18.4 (8.4				22.3 (9.				
SHF			0.0		-			76				87			
Performance index	Heating		4.0					86				75			
	Cooling		5.0					59				59			
Airflow range at SP3				250 m³/h				600 m³/h				880 m³/h			
Connectable outdoor	unit	PUHZ-ZRP100						ZRP100		PUHZ-ZRP125					
Ext. piping		Diame		/ Gas: 9.52		Diame		/ Gas: 9.52		Diame		/ Gas: 9.52			
Ext. piping		Maximum	length: 75m,	Maximum h	eight: 30m			Maximum h		Maximum	length: 75m	, Maximum h	eight: 30m		
						SA (S		mperature c	ontrol						
Connectable Lossnay			LGH-150					ORVXT-E				0RVXT-E			
Capacity [kW]	Heating		16.3 (7.4				19.5 (10				21.6 (12				
, , , ,	Cooling		13.3 (6.				15.9 (8.5 + 7.4)			17.6 (9.8 + 7.8)					
SHF			0.8					90				95			
Performance index	Heating		5.	<u> </u>		6.01					97				
	Cooling		5.0					54				31			
Airflow range at SP3			1050 - 2					600 m³/h				600 m ³ /h			
Connectable outdoor	unit		PUHZ-				PUHZ-					ZRP71			
Ext. piping		Diame		/ Gas: 9.52		Diame		/ Gas: 9.52		Diame		/ Gas: 9.52			
Maximum length: 50m, Maximum height: 30m				Maximum		Maximum h		Maximum	length: 50m	, Maximum h	eight: 30m				
							Ventilation specifications								
Connectable Lossnay unit LGH-150RVXT-E								ORVXT-E				0RVXT-E			
Fan speed	. 3	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1		
Airflow	[m³/h]	1,500	1,125	750	375	2,000	1,500	1,000	500	2,500	1,875	1,250	625		
	[L/s]	417	313	208	104	556	417	278	139	694	521	347	174		
External static pressu	ıre [Pa]	150	84	38	9	145	82	36	9	140	79	35	9		

Characteristic Curves Note The graphs below show the supply air only.









Attention

- 1. The running current and input power are based on 230V/50Hz.
- The cooling and heating capacities are based on the air conditions listed below and the rated airflow of fan speed 4. Cooling Indoor: 27°CDB/19°CWB, Outdoor: 35°CDB/24°CWB Heating Indoor: 20°CDB/15°CWB, Outdoor: 7°CDB/6°CWB
- 3. The first figure in () of the capacity specification is the heat recovery energy of the Lossnay unit. The second figure is the capacity specification for the Dx-coil connected to the outdoor unit.
- 4. "Performance index" is the calculated value at the temperature conditions above, and is for reference purpose only. Performance index = Total capacity ÷ total power consumption of outdoor unit and Lossnay unit
- 5. The external static pressure listed in the tables includes the static pressure loss of the Dx-coil unit when using a 50cm straight duct between the Lossnay and Dx-coil units. When the duct work between the Lossnay and Dx-coil units is longer and/or bent, the pressure loss of the duct work should be included in the pressure loss calculation.

 6. The designed airflow of the system (Lossnay, Dx-coil and duct work) at fan speed 3 and 4 should be kept within "Airflow range at SP3 and SP4" listed in the tables. This range
- 6. The designed airflow of the system (Lossnay, Dx-coil and duct work) at fan speed 3 and 4 should be kept within "Airflow range at SP3 and SP4" listed in the tables. This range is shown as the solid line in graphs of the characteristic curves. If the Lossnay airflow is out of this range, the compressor of the outdoor unit may stop for self-protection purposes.
- 7. By installing the Dx-coil unit with a Lossnay unit, the air blow noise level is quieter at fan speed 4. Please refer to the "Direct Expansion coil unit for Lossnay" catalog.
- 8. 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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit or disassemble the product yourself and always ask a professional.

Duct Silencer

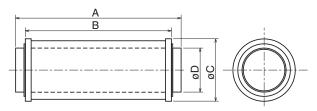
- This duct silencer connects to Lossnay unit to reduce the noise of its airflow.
- There are 4 sizes in order to cover a wide range of duct sizes.



Specifications

Model	Airflow		Attenuation of sound power level [dB] for center frequency (Discharge)											
Wiodei	[m ³ /h]	62.5Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz					
PZ-100SS-E	50	0	3	5	7	6	6	6	8					
	150	0	3	6	7	7	7	7	9					
PZ-150SS-E	250	0	1	5	8	15	21	20	14					
PZ-15055-E	350	0	1	4	8	14	21	21	16					
PZ-200SS-E	500	0	1	4	7	13	18	16	9					
PZ-20055-E	650	0	1	3	8	12	17	14	6					
PZ-250SS-E	800	0	2	4	12	22	21	14	13					
	1000	0	1	4	12	22	20	14	13					

Dimensions

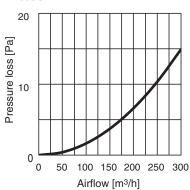


Unit: mm

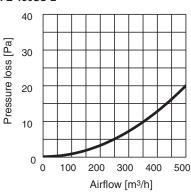
Model	Α	В	С	D	Connecting duct	Weight (kg)
PZ-100SS-E	450	400	152	99	ø100	1.9
PZ-150SS-E	560	500	202	149	ø150	3.5
PZ-200SS-E	660	600	252	199	ø200	5.3
PZ-250SS-E	660	600	332	249	ø250	8.9

Pressure loss curve

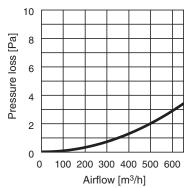
PZ-100SS-E



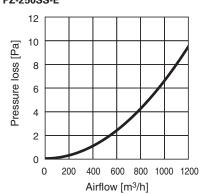
PZ-150SS-E



PZ-200SS-E



PZ-250SS-E



Optional Parts List

	Lossnay	X-E	X-E	X-E	X-E	X-E	X-E	VX-E	VX-E	VX-E	VXT-E	VXT-E	VXT-E	4	H4	D4	DH4
Optional Parts		LGH-15RVX-E	LGH-25RVX-E	LGH-35RVX-E	LGH-50RVX-E	LGH-65RVX-E	LGH-80RVX-E	LGH-100RVX-E	LGH-150RVX-E	LGH-200RVX-E	LGH-150RVXT-E	LGH-200RVXT-E	LGH-250RVXT-E	GUF-50RD4	GUF-50RDH4	GUF-100RD4	GUF-100RDH4
	PZ-61DR-E	•	•	•	•	•	•	•	•	•	•	•	•				
Lossnay Remote Controller	PZ-43SMF-E		•	•	•	•		•	•	•		•	•				
	PZ-15RF8-E																
	PZ-25RF8-E		•														
	PZ-35RF ₈ -E			•													
	PZ-50RF ₈ -E				•									•	•		
Standard Filter	PZ-65RF ₈ -E					•											
Filler	PZ-80RF8-E						•		•								
								•		•						•	•
	PZ-100RF8-E PZ-150RTF-E							•		•	•					•	•
											•						
	PZ-250RTF-E											•	•				
	PZ-15RFM-E	•															
	PZ-25RFM-E		•														
High-efficiency	PZ-35RFM-E			•											_		
Filters	PZ-50RFM-E				•	_								•	•		
	PZ-65RFM-E					•											
	PZ-80RFM-E						•		•								
	PZ-100RFM-E							•		•						•	•
	PZ-15RFP ₂ -E	•															
	PZ-25RFP ₂ -E		•														
	PZ-35RFP ₂ -E			•													
Advanced	PZ-50RFP ₂ -E				•									•	•		
High-efficiency Filters	PZ-65RFP ₂ -E					•											
1 11013	PZ-80RFP ₂ -E						•		•								
	PZ-100RFP ₂ -E							•		•						•	•
	PZ-M6RTFM-E										•	•	•				
	PZ-F8RTFM-E										•	•	•				
	PZ-100SS-E	•															
Duct Silencer	PZ-150SS-E		•	•													
	PZ-200SS-E				•	•								•	•		
	PZ-250SS-E						•	•								•	•
WiFi Interface	MAC-567IF-E	•	•	•	•	•	•	•	•	•	•	•	•				
Remote On/Off Adapter	PAC-SE55RA-E	•*1	•*1	•*1	●*1	•*1	•*1	•*1	●*1	•*1	●*1	•*1	•*1	●*1	•*1	•*1	•*1
Connector Cable for Remote Display	PAC-SA88HA-E	•*2	•*2	•*2	•*2	•*2	•*2	•*2	•*2	•*2	•*2	•*2	•*2	•*3	•*3	•*3	•*3

^{*1:} PAC-SE55RA-E is used for CN32 of Lossnay unit.

*2: PAC-SA88HA-E is used for CN17 and CN26 of Lossnay unit.

*3: PAC-SA88HA-E is used for CN51 and CN52 of Lossnay unit.

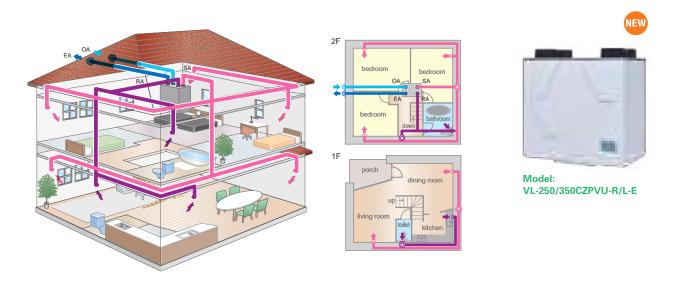
Note: Please refer to each product page for required number of pieces/sets.

Residential Use Lossnay

Mitsubishi Electric offers you decentralized ventilation and centralized ventilation solutions for optimising your indoor air quality by Lossnay.

Centralized Ventilation Solution

One Lossnay unit provides 24-hour ventilation for the entire house, from living room and bedrooms to the bathroom. The heat recovery system provides fresh air at a comfortable air temperature. Sensible heat exchanger effectively reduces excess humidity in the winter.

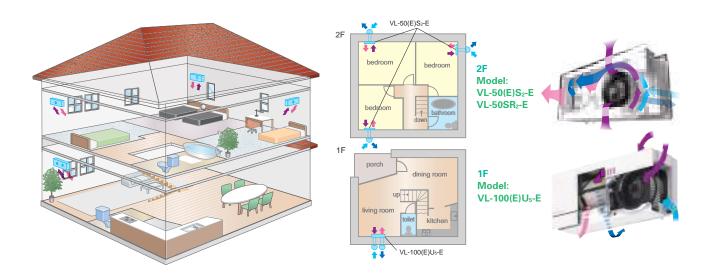


Decentralized Ventilation Solution

Install the wall-mounted Lossnay in each room.

The heat recovery system provides fresh air at a comfortable air temperature.

Total heat exchangers effectively reduce heat loss.





VL-250CZPVU-R/L-E, VL-350CZPVU-R/L-E



Quiet Operation



Noise is one of the most common concern for residential ventilation. Ultra quiet operation is achieved with the sirocco fan designed by Mitsubishi Electric. The balance between airflow and the static pressure is optimized and the fan rotation is minimized, which leads to a low noise level.

Air Purification



The optional filter corresponding to NOx and PM2.5 removes the substance and improves the indoor air quality. They can be incorporated inside the unit without any filter box, which saves space.

- *NOx: Nitrogen oxide which includes nitric oxide (NO) and nitrogen dioxide (NO2) etc.
- *PM2.5: Airborne particulates that are 2.5µm or smaller in size.

Wi-Fi Control



MELCloud is a Cloud-based solution for controlling Lossnay either locally or remotely by computer, tablet or smartphone via the Internet. You can control and check Lossnay via MELCloud from virtually anywhere an Internet connection is available. With MELCloud, you can use Lossnay much more easily and conveniently.

Key Features

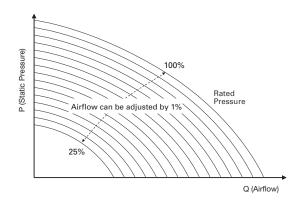
Energy Efficient

Under regulation (EU) NO 1254 / 2014, VL-CZPVU series has the highest energy-saving performance in its class. (ErP A+) It saves heating and cooling cost by minimizing the energy loss that occurs during ventilation.



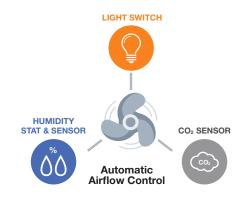
Variable Airflow Control

The default fan speed value (Fan speed 1: 30%, Fan speed 2: 50%, Fan speed 3: 70%, and Fan speed 4: 100%) of both supply air and exhaust air can be adjusted more flexibly. Within the range between 25% and 100%, airflow can be adjusted by 1% to satisfactorily meet the designed airflow rate. This enables to simplify the airflow setting in commissioning.



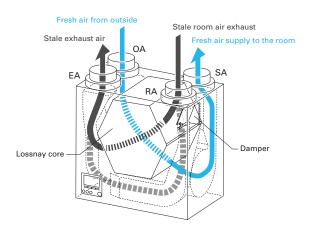
External Airflow Control

Using a 0-10V signal from the controllers such as the humidity stats and CO_2 sensors, the airflow of the Lossnay unit can be changed. It is also connected to the light switch and can change to the boost operation (Input 220-240V). They are connected directly to the Lossnay units allowing the fan speed to automatically change according to the bathroom occupation, the CO_2 level, and the humidity level.



Automatic Bypass Mode

It is possible to select manual switching or automatic switching between "Lossnay ventilation (with heat exchange)" and "Bypass ventilation (without heat exchange)". When the outside air is cooler than the indoor air in summer, the unit will bypass the heat exchanger and draw in outside air directly.



* The figure shows VL-350CZPVU-L-E

Wide Operating Temperature Range

The VL-CZPVU series operating temperature range is down to -15°C. With a pre-heater, it is available down to -25°C.

- * In areas where the outdoor air is below -20°C, electric shutters (local supply) is required in the OA duct in addition to the pre-heater.
- * With the pre-heater, the OA temperature must be higher than -15 $^{\circ}\text{C}.$

MELCloud for Lossnay

MELCloud enables fast, easy remote control and monitoring for Lossnay. All you need is wireless computer connectivity in your home where Lossnay is installed and Internet connection on your mobile or fixed terminal. It can also be controlled with room air conditioner/ecodan simultaneously.

Key Control and monitoring features

- 1. Turn system on/off
- 2. Change the airflow & operating mode (Heat recovery / Bypass)
- 3. See the status of the filter (Maintenance notification)



New Ventilator Selection Software

The new selection tool enables the user to see the specification of the duty point including SFP, noise level, and exchange efficiency. It also provides the certification documents and CAD data for each models.

Easy 3 steps

- 1. Input the required airflow and pressure.
- 2. Select model which matches the request.
- 3. Output the "Fan Data Sheet" by PDF.



YouTube Channel

In the new YouTube channel "Mitsubishi Electric Nakatsugawa Works", videos about ventilation products, remote controller commissioning, how to use the software is available.



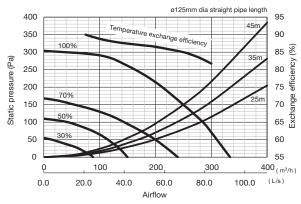
Residential Lossnay Specifications

VL-250CZPVU-R/L-E

Electrical Power Supply			220-240V/50H	Iz, 220V/60Hz				
Ventilation Mode			Heat recov	very mode				
Fan speed		FS4 (100%)	FS3 (70%)	FS2 (50%)	FS1 (30%)			
Running Current (A)		0.76	0.35	0.20	0.12			
Input Power (W)		106	44	23	11			
Airflow	A : rf (m ³ /h)		175	125	75			
All How	(l/s)	69	49	35	21			
External Static Pressure (Pa	a)	150	74	38	14			
Temperature Exchange Effi	ciency (%)	85	87	88	90			
Noise Level (dB)		31	22	16	15>			
Energy Efficiency Class		Á+						
Weight (kg)		26						
Dimensions (mm)			(W) 595 x (D)	356 x (H) 565				

- 1. The above values are at factory default.
 2. The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.
 3. The sound pressure level at 3m is spherical.
 4. Temperature exchange efficiency (%) is based on winter condition.
 5. Mitsubishi Electric measures figures in the chart according to EN13141-7:2010, and the characteristic curves are measured by chamber method.

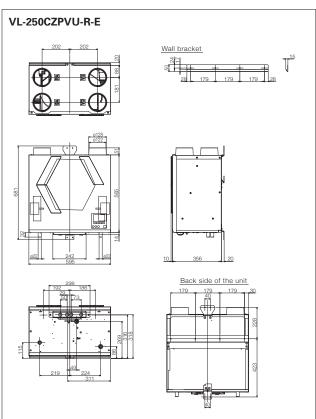
Characteristic Curves

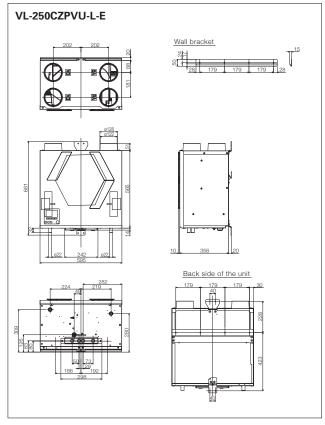


■ Attention

- Mitsubishi Electric measures figures in the chart according to EN13141-7:2010, and the characteristic curves are measured by chamber method.

Dimensions Unit: mm



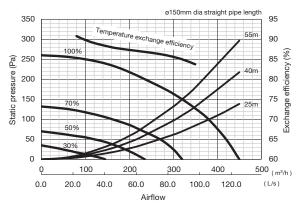


VL-350CZPVU-R/L-E

Electrical Power Supply			220-240V/50H	lz, 220V/60Hz				
Ventilation Mode			Heat recov	very mode				
Fan speed		FS4 (100%)	FS3 (70%)	FS2 (50%)	FS1 (30%)			
Running Current (A)		1.08	0.52	0.31	0.18			
Input Power (W)		155	71	37	19			
Airflow	A:-fl (m ³ /h)		224	160	96			
Allilow	(l/s)	89	62	44	27			
External Static Pressure (Pa	a)	150	150 74 38 14					
Temperature Exchange Effi	ciency (%)	85	87	88	90			
Noise Level (dB)		35	26	19	15>			
Energy Efficiency Class		A+						
Weight (kg)		32						
Dimensions (mm)			(W) 658 x (D)	432 x (H) 623				

- 1. The above values are at factory default.
 2. The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.
 3. The sound pressure level at 3m is spherical.
 4. Temperature exchange efficiency (%) is based on winter condition.
 5. Mitsubishi Electric measures figures in the chart according to EN13141-7:2010, and the characteristic curves are measured by chamber method.

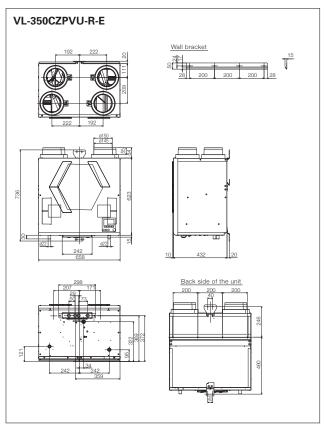
Characteristic Curves

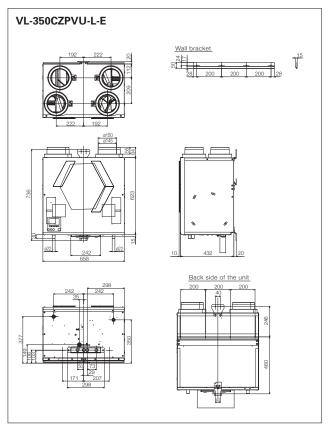


■ Attention

Mitsubishi Electric measures figures in the chart according to EN13141-7:2010, and the characteristic curves are measured by chamber method.

Dimensions Unit: mm

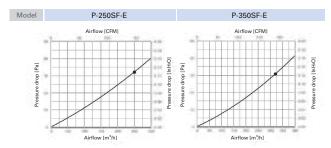


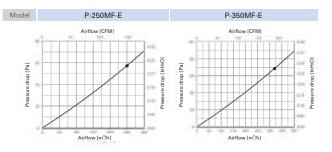


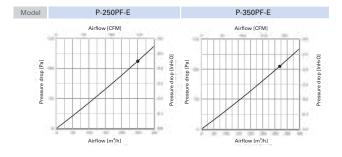
Filters

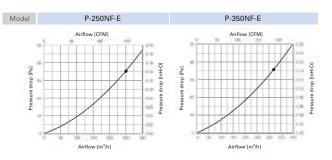
Тур	Э	Replacement Filter	Standard Filter	Medium Efficiency Filter	PM2.5 Filter	NOx Filter
Desiç	Design					
Mod	Model P-250F-E P-350F-E		P-250SF-E P-350SF-E	P-250MF-E P-350MF-E	P-250PF-E P-350PF-E	P-250NF-E P-350NF-E
Classification	EN779 G3 (2012)		G4	M6	M6	NO2 90%
Ciassification	ISO 16890	Coarse 55%	Coarse 90%	ePM10 80%	ePM2.5 50%	1002 30 70

Pressure loss characteristic









Remote Controller Cover

P-RCC-E

With Remote Controller Cover, the remote controller can be installed apart from the unit.



Model: VL-220CZGV-E

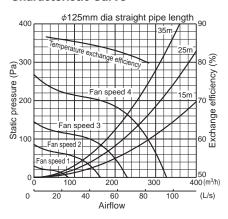
Model	VL-220CZGV-E							
Electrical power supply			220-240V/50H	Hz 220V/60Hz				
Ventilation mode			Heat reco	very mode				
Fan speed		Fan speed 4	Fan speed 3	Fan speed 2	Fan speed 1			
Running current		0.60	0.29	0.18	0.11			
Input power (W)		80	35	18.5	8.5			
Airflow	(m³/h)	230	165	120	65			
Altilovv	(L/s)	64	46	33	18			
External static pressure (Pa)		164	84	44	13			
Temperature exchange efficien	icy (%)	82	84	85	86			
Noise level (dB)		31	25	19	14			
Weight (kg)		31						
Specific energy consumption c	lass	A						

- 1. The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz. The noise is measured at 1.5m under the center of the unit in an anechoic chamber.
- in an anection charmoer.

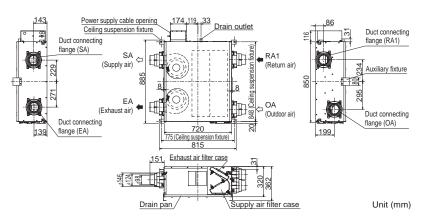
 2. Temperature exchange efficiency (%) is based on winter condition.

 3. Mitsubishi Electric measures figures in the chart according to Japan Industrial Standard (JIS B 8628), therefore the characteristic curves are measured by chamber method.

Characteristic Curve



Dimensions

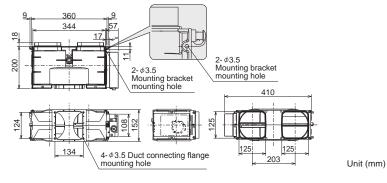


Optional Parts

Parts for VL-220CZGV-E

Bypass Damper Model: P-133DUE-E





Filters

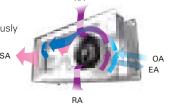
Туре	Standard Replacement Filter	Medium Efficiency Exhaust Air Filter	High Efficiency Supply Air Filter
Design		Optional	Optional
Model	P-220F-E	P-220EMF-E	P-220SHF-E
Classification (EN779:2012)	G3	G4	M6
Classification (ISO16890)	Coarse 35%	ePM10 50%	ePM10 70%

Decentralized ventilation: VL-50(E)S2-E, VL-50SR2-E and VL-100(E)U5-E

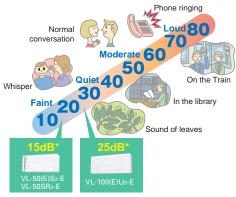
Product Merit

Air supplied and Exhausted Simultaneously

Supply and exhaust air simultaneously while transferring the heat.



The low noise level is good for bedrooms and children's rooms.



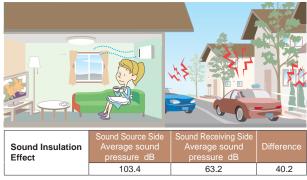
*Condition: 50Hz, 230V, low fan spee

Energy Efficient

- Total heat exchanger minimizes heat loss.
- Achieve over 80%* temperature efficiency.
- $^*\mbox{VL-}100(\mbox{E})\mbox{U}_5\mbox{-E}$ at low fan speed in 230V 50Hz $^*\mbox{VL-}50(\mbox{E})\mbox{S}_2\mbox{-E}$ at low fan speed in 230V 50Hz

Sound Insulation

A sound insulation effect reduces noise generated outside.



- *Tested based on VL-08S2-AE
- *Measured by average sound pressure level of more than 30dB in 500Hz according to JIS A1416.
- VL-08S2-AE is a Japanese dedicated model equivalent to VL-50(E)S2-E

Product Features

Stylish Design

Match any interior decor to create a comfortable room.

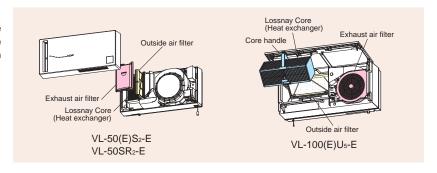




VL-100(E)U5-E

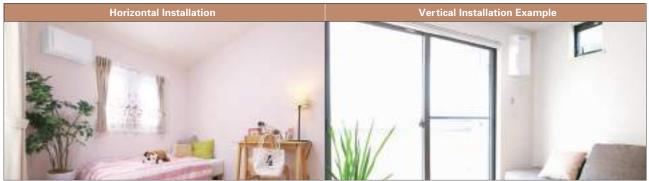
Easy Maintenance

The only maintenance required is cleaning the outside-air filter and exhaust-air filter. Filters are easily accessible, making quick and thorough cleaning possible.



Flexible Installation for Only VL-50(E)S₂-E and VL-50SR₂-E

Not only horizontal installation but also vertical installation is available. It can fit various types of rooms with flexible installation.

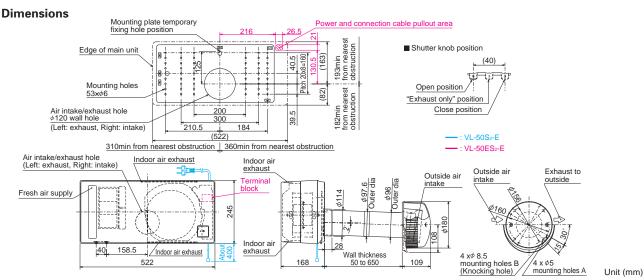


Residential Lossnay Specifications

Model: VL-50S2-E (Pull-Switch Model) and VL-50ES2-E (Wall-Switch Model)

Model		VL-50(E)S ₂ -E						
Electrical power supply	220V,	220V/50Hz		230V/50Hz		/50Hz	220V,	60Hz
Fan speed	High	Low	High	Low	High	Low	High	Low
Airflow (m³/h)	51	15	52.5	16	54	17	54	17
Power consumption (W)	19	4	20	4.5	21	5	21	5.5
Temperature exchange efficiency (%)	70	86	69	85	68	84	68	84
Noise level (dB)	36.5	14	37	15	37.5	15.5	37.5	15.5
Weight (kg)	6.2							
Specific energy consumption class		С						

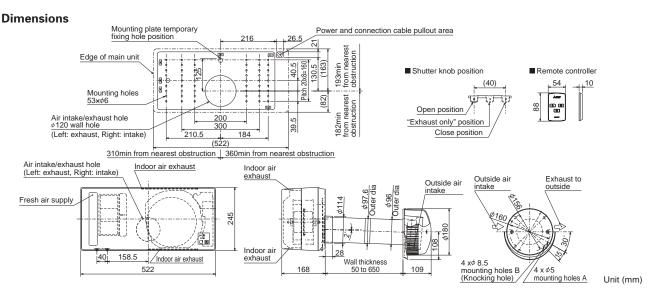
^{*}Figures in the chart were measured according to Japan Industrial Standard (JIS B 8628) with the shutter knob in open position.



Model: VL-50SR₂-E (Remote Controller Model)

Model		VL-50SR₂-E							
Electrical power supply	220V/50Hz 230V/50Hz 240V/50H				/50Hz	lz 220V/6			
Fan speed	High	Low	High	Low	High	Low	High	Low	
Airflow (m³/h)	51	15	52.5	16	54	17	54	17	
Power consumption (W)	19	4.5	20	5	21	5.5	21	6	
Temperature exchange efficiency (%)	70	86	69	85	68	84	68	84	
Noise level (dB)	36.5	14	37	15	37.5	15.5	37.5	15.5	
Weight (kg)	6.2								
Specific energy consumption class		С							

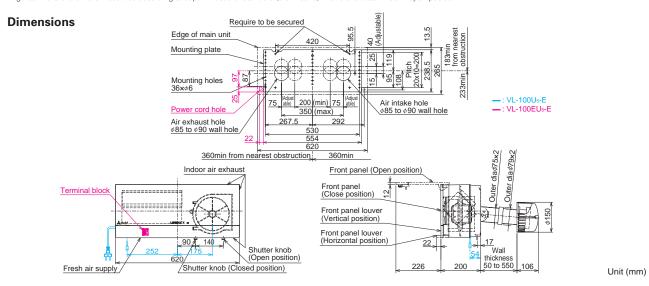
^{*}Figures in the chart were measured according to Japan Industrial Standard (JIS B 8628) with the shutter knob in open position.



Model: VL-100U5-E (Pull-Switch Model) and VL-100EU5-E (Wall-Switch Model)

Model		VL-100(E)U₅-E						
Electrical power supply	220V,	220V/50Hz		230V/50Hz		/50Hz	220V/	/60Hz
Fan speed	High	Low	High	Low	High	Low	High	Low
Airflow (m³/h)	100	55	105	60	106	61	103	57
Power consumption (W)	30	13	31	15	34	17	34	17
Temperature exchange efficiency (%)	73	80	73	80	72	79	73	80
Noise level (dB)	36.5	24	37	25	38	27	38	25
Weight (kg)	7.5							
Specific energy consumption class		В						

^{*}Figures in the chart were measured according to Japan Industrial Standard (JIS B 8628) with the shutter knob in open position.



Optional Parts

Optional Parts for VL-50(E)S₂-E and VL-50SR₂-E

Filter, Extension Pipe and Stainless Hood

Туре	Replacement Filter	High Efficiency Filter	Extension Pipe	Joint	Stainless Hood
Design					
Model	P-50F ₂ -E	P-50HF ₂ -E	P-50P-E	P-50PJ-E	P-50VSQ5-E
Feature	-	=	Total length when connected to the joint is 350mm.	Joint for extension pipe	Stylish stainless hood
Classification (EN779:2012)	G3	-	-	-	-
Classification (ISO16890)	Coarse 35%	ePM10 75%	_	-	-

Optional Parts for VL-100(E)U₅-E

Filter and Extension Pipe

Туре	Replacement Filter	High Efficiency Filter	Extension Pipe	Joint
Design				00
Model	P-100F ₅ -E	P-100HF5-E	P-100P-E	P-100PJ-E
Feature	-	-	Total length when connected to the joint is 300mm.	Joint for extension pipe Screw-in method
Classification (EN779:2012)	G3	M6	-	-
Classification (ISO16890)	Coarse 35%	ePM10 70%	-	-



- Do not install indoor units in areas (e.g. mobile phone base stations) where the emission of VOCs such as phthalate compounds and formaldehyde is known to be high as this may result in a chemical reaction.
- Our air-conditioning equipments and heat pumps contain a fluorinated greenhouse gas, R410A (GWP: 2088) or R32 (GWP: 675). *These GWP values are based on Regulation (EU) No.517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP: 1975), R32 (GWP: 550)
- When installing or relocating or servicing our air-conditioning equipment, use only the specified refrigerant (R410A or R32) to charge the refrigerant lines.
 - Do not mix it with any other refrigerant and do not allow air to remain in the lines.
 - If air is mixed with the refrigerant, then it can be the cause of abnormal high pressure in the refrigerant lines, and may result in an explosion and other hazards.
 - The use of any refrigerant other than that specified for the system will cause mechanical failure, system malfunction or unit breakdown. In the worst case, this could lead to a serious impediment to securing product safety.

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