MITSUBISHI ELECTRIC

Ducted Air Conditioning

Why Choose Mitsubishi Electric?

Whether it is consistent heating and cooling for the home or office, Mitsubishi Electric offers you state-of-the-art technology that is quiet, simple to use, reliable and above all, energy efficient.

Low Running Costs

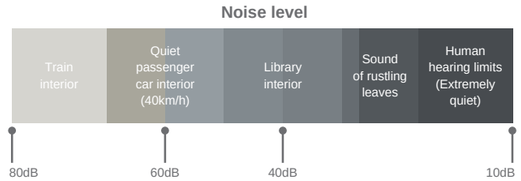
The more energy efficient a heating and cooling system is, the cheaper it is to run.

Our commitment to quality, service, research and development has helped us gain a leading position in todays marketplace in heating, cooling and air-conditioning for the home or office.

Our world is your world

Quiet Operation

We recognise that noise affects comfort, so we constantly work to make our air conditioners as quiet as possible. With improvements to our fan blades combined with a new grille shape to our outdoor unit it's even quieter when in low noise mode. We want you to feel it, not hear it.



Unassuming Design

Mitsubishi Electric ducted systems allow for a range of diffuser designs to best suit your home decor, talk to your installer about what is right for you.

Precise Control

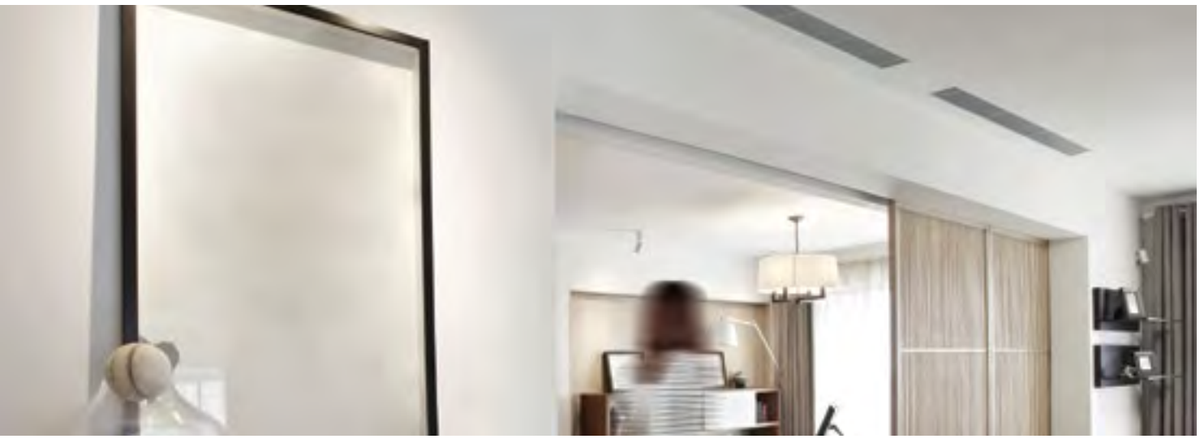
Making the most of your air conditioner all starts with the controls, these allow you to create the comfort levels that match your demands. As air conditioners are becoming more advanced, so are the controls, to allow accuracy and ease of use to maximise the functionality of your air conditioner.

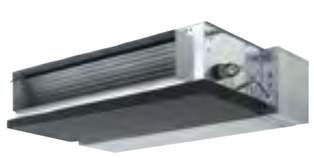
Peace of Mind

Mitsubishi Electric air conditioners used in residential applications are covered by a full 5 year parts and labor warranty. Delivering optimum performance year in year out. See website for terms & conditions.

Live in ultimate comfort

With Mitsubishi Electric Ducted Inverter Systems, climate control is at the touch of a button. Our ducted units are ideal for multiple room applications and can incorporate zone control for complete control. Cool or warm air is ducted quietly throughout the home through slim diffusers positioned in the ceiling, wall or floor.



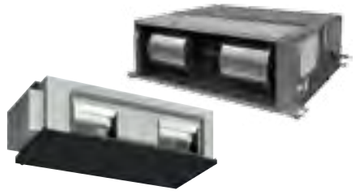


SEZ Series

Designed for homes, offices, restaurants or shops, the SEZ series operates at low noise levels and is virtually invisible when installed within a suspended ceiling. Its 200mm height design guarantees ease of installation, providing optimum air conditioning efficiency and comfort.

PEAD Series

Our low profile ducted PEAD has a wide range of static pressures, that allows airflow to be directed to different areas of your home or office with ease, making it ideal for heating or cooling a number of rooms. It is a perfect answer for the air conditioning requirements of buildings with a ceiling height of 250mm making installation possible in low ceiling spaces.



PEA Series

For elegance and style, the PEA series compliments the room environment with aesthetically pleasing ceiling installation and a vast line-up of performance functions. Ability to set higher static pressure allows for high air volume which satisfies air conditioning needs perfectly in large Australian homes.

Outdoor Units

Mitsubishi Electric's Inverters meet the needs of homes, shops and offices with the ability to select the model the best match your requirements. The maximum operating heating/cooling capacity of the Mr. Slim Power Inverter units have improved (compared to conventional non-inverter models) when operating in either low or high outdoor temperatures. With a wider performance range operation is now possible at lower speeds, comfort is improved while power consumption is reduced.

Air Diffuser*

Diffusers are available in many designs to suit the decor of your home. Diffusers include the 4 Way Diffuser, Linear Diffuser and Round Diffuser.

Ductwork*

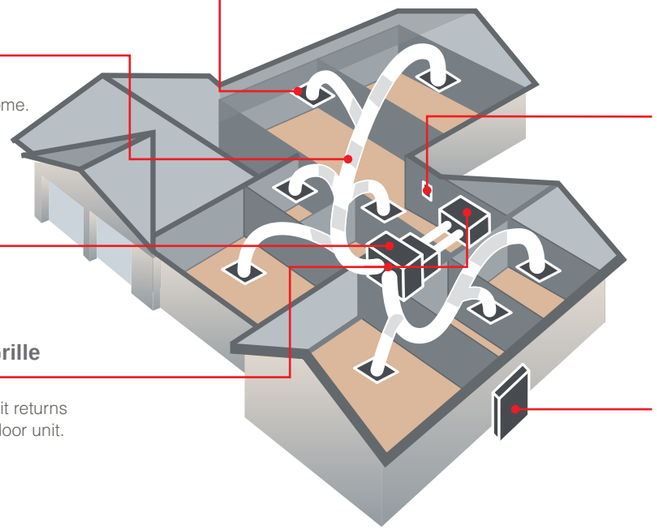
Delivers the conditioned air throughout the rows of your home.

Indoor Fan Coil Unit

Indoor unit concealed in the ceiling space.

Return Air Grille and Filter*

Filters the air as it returns it back to the indoor unit.



Zone Controller

Located conveniently within the home generally near the return air grille.

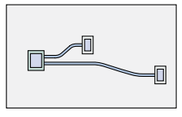
Outdoor Unit

Located outdoors in an unobtrusive location, quietly delivering to the indoor unit.

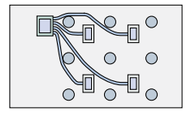
* Locally supplied by installer

Freedom in Installation

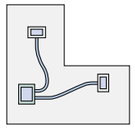
Versatile and easy installation is possible, for example, it is possible to adjust the distance between the air-intake and the air-outlet vents to create the optimal airflow configuration



» Long rectangular room



» Room with fixed ceiling fixtures



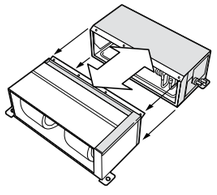
» L-shaped room

Flexible duct design

A flexible duct design and 150Pa external static high-pressure are incorporated. The increased variation in airflow options ensures operation that best matches virtually all room layouts.

Easier handling

The ducted fan coil unit (PEA-RP170/200/250) has a two-piece construction. This allows separation of the indoor unit heat exchanger and the fan deck assembly for easier handling into the roof space.



Must be reassembled and installed prior to using the system.

Longer Maximum Piping Length

It is now possible to pipe refrigerant up to 75 metres to the concealed ceiling unit, therefore creating a wide range of layout possibilities for unit installation.

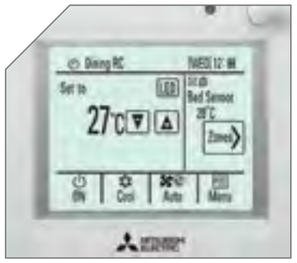
Controls

Making the most out of your air conditioner all starts with the controls, these allow you to create the comfort levels that match your demands.

As air conditioners are becoming more advanced, so are the controls, to allow accuracy and ease of use to maximise the functionality of your air conditioner. The availability of wired wall mounted controller PAR-31MAA, Zone Controller and Wi-Fi Control not only provide you with a wide variety of choice, but also allow optimised programming efficiency.

7 Day Wired Controller

The wall mounted 7 day controller is an optional upgrade with the ability to connect to all Mitsubishi Electric systems listed in this brochure. The PAR-31MAA Controller allows you to program up to 8 stop/start patterns per day for up to 7 days at a time. Other features include a variety of operation control functions, error information, temperature range restriction, operation lock and multi-language display. The PAR-31MAA also offers the following at the touch of a button: LCD backlit screen, large, easy to read display and mode view for both icon and word display.



Zone Controller

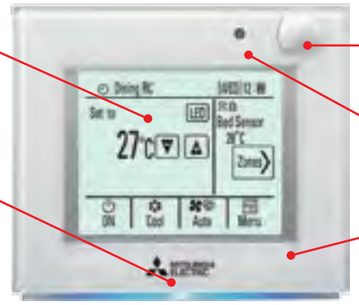
Mitsubishi Electric introduces the Zone Controller that has the ability to control 4 or 8 zones. The Zone Remote Controller allows monitoring and operating of the air conditioning unit and zones, schedule operation of unit and zones also available. It is equipped with three built-in sensors (temperature, brightness & occupancy) which allows for comfortable air environment and also helps to reduce energy consumption.

Touch Panel & Backlit LCD

The touch panel shows the operation settings screen. When the backlight is off, touching the panel turns the backlight on, and it will stay lit for a predetermined period.

LED Indicator

The LED indicator indicates the operation status in different colours. The LED indicator lights up during normal operation, lights off when units are stopped, and blinks when an error occurs.



Occupancy Sensor

The occupancy sensor detects vacancy for energy-save control.

Brightness Sensor

The brightness sensor detects the brightness of the room for energy-save control.

Temperature Sensor

The sensor detects the room temperature.

CONTROL FEATURES

- Fan Speed Control
- Averaging Sensor Control
- Energy Save Control
- Easy Operation
- Wi-Fi Control (MAC-558IF adaptor required)
- 4.3" User Friendly Touch Panel

Wi-Fi Control

Introducing Wi-Fi Control for Split and Ducted systems. Unlock the door to smarter heating and cooling, for total home comfort. This innovative technology connects your Mitsubishi Electric air conditioner to your smartphone, tablet or online account, giving you the freedom to fully control each unit on-the-go via an internet connection from anywhere in the world.
Additional adapter MAC-558IF-E required per unit.

Wi-Fi CONTROL

Superior Customisation

This innovative technology places multiple functions of your air-conditioner at your fingertips. Turning the unit ON/OFF, adjusting set temperature, changing mode, fan speed and airflow direction are all possible.

Develop Operating Rules

Tailor your system to always meet your needs. Unlock the full potential of your air-conditioner, program your system to automatically turn on/off at specific times, change settings, and develop temperature rules to ensure superior comfort day after day.

Control Multiple Units

Customise the settings of each air-conditioner in your home. Purchase multiple adaptors to manage all air-conditioners independently on the same account to ensure complete control over your system. The result is a tailored system to your needs.

SPECIFICATIONS

COMPACT CEILING-CONCEALED (SEZ)											
Indoor Unit Model			SEZ-KD25VAQ(L)		SEZ-KD35VAQ(L)		SEZ-KD50VAQ(L)		SEZ-KD60VAQ(L)		SEZ-KD71VAQ(L)	
Outdoor Unit Model			SUZ-KA25VAD		SUZ-KA35VAD		SUZ-KA50VAD		SUZ-KA60VAD		SUZ-KA71VAD	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	2.5 (1.5-3.2)	3.0 (1.3-4.5)	3.7 (1.4-3.9)	4.2 (1.7-5.0)	5.1 (2.3-5.6)	6.4 (1.7-7.2)	5.6 (2.3-6.3)	7.4 (2.5-8.0)	6.5 (2.8-8.3)	8.1(2.6-10.4)
Input		(kW)	0.75	0.83	1.09	1.13	1.64	1.81	1.77	2.05	2.06	2.18
Rated EER/COP			3.33	3.61	3.39	3.72	3.11	3.54	3.16	3.61	3.16	3.72
Rated AEER/ACOP			3.21	3.49	3.31	3.62	3.05	3.48	3.11	3.55	3.10	3.66
AEER/ACOP (part-load %)][1]							3.72					
Power Supply			V: Single-phase, 50Hz, 230V									
Airflow (Low-Mid-High)		CMM	5.5-7-9		7-9-11		10-12.5-15		12-15-18		12-16-20	
		L/S	92-117-150		117-150-183		167-208-250		200-250-300		200-267-333	
External Static Pressure Pa			5/15/35/50									
Sound Pressure Level		(dB)	23-26-30		23-28-33		30-34-37		30-34-38		30-35-40	
Supply Air Spigot Size		(mm)	660×150		860×150				1,060×150			
Dimensions	Height	(mm)	200		200				200			
	Width	(mm)	790		990				1,190			
	Depth	(mm)	700		700				700			
Weight		(kg)	18		21		23		27			

Notes:

*1 MEPS compliant at part load.
SUZ-KA•VAD is potentially demand response capable unit. DRC-101A is required.

CEILING-CONCEALED (PEAD)												
Indoor Unit Model			PEAD-RP71JAA		PEAD-RP71JAA		PEAD-RP100JAA		PEAD-RP125JAA		PEAD-RP140JAA	
Outdoor Unit Model			SUZ-KA71VAD		PUHZ-RP71VHA5		PUHZ-RP100V/YKA2		PUHZ-RP125V/YKA2		PUHZ-RP140V/YKA2	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	7.1 (2.8-8.1)	8.0 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (5.5-14.0)	14.0 (5.0-16.0)	13.0 (6.2-15.3)	16.0 (5.7-18.0)
Input		(kW)	2.10	2.04	2.03	2.00	2.77	2.72	3.60	3.50	3.91	4.04
Rated EER/COP			3.38	3.92	3.50	4.00	3.61	4.12	3.33	4.00	3.32	3.96
Rated AEER/ACOP			3.33	3.86	3.31	3.78	3.34/3.31	3.81/3.78	3.14/3.11	3.76/3.74	3.09/3.07	3.76/3.73
AEER/ACOP (part-load %)][1]											3.68/3.63	
Power Supply			V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V									
Airflow (Low-Mid-High)		CMM	17.5-21-25				24-29-34		29.5-35.5-42		32-39-46	
		L/S	292-350-417				400-483-567		492-592-700		533-650-767	
External Static Pressure Pa			35/50/70/100/125									
Sound Pressure Level		(dB)	30-34-39				33-38-42		36-40-44		40-44-49	
Return Air Spigot Size		(mm)	1,058×210				1,358×210		1,358×210		1,558×210	
Supply Air Spigot Size		(mm)	1,060×178				1,360×178		1,360×178		1,560×178	
Dimensions	Height	(mm)	250									
	Width	(mm)	1,100				1,400				1,600	
	Depth	(mm)	732									
Weight		(kg)	29				38		39		43	

Notes:

*1 MEPS compliant at part load.
SUZ-KA•VAD is potentially demand response capable unit. DRC-101A is required.

CEILING-CONCEALED (PEA)														
Indoor Unit Model			PEA-RP100GAA		PEA-RP125GAA		PEA-RP140GAA		PEA-RP170WJA		PEA-RP200WJA		PEA-RP250WHA	
Outdoor Unit Model			PUHZ-RP100V/YKA2		PUHZ-RP125V/YKA2		PUHZ-RP140V/YKA2		PUHZ-RP170V/YKA2		PUHZ-RP200YKA2		PUHZ-RP250YKM	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	13.5 (6.2-15.3)	16.0 (5.7-18.0)	16.0 (9.0-20.0)	20.0 (9.5-22.4)	18.9 (9.0-22.4)	22.4 (9.5-25.0)	22.0 (11.2-27.0)	25.0 (12.5-29.0)
Input		(kW)	2.60	2.51	3.97	3.27	4.19	3.90	5.00	6.00	5.92	6.89	6.11	6.89
Rated EER/COP][1]			3.85	4.46	3.15	4.28	3.22	4.10	3.20	3.33	3.19	3.25	3.60	3.62
Rated AEER/ACOP			3.54/3.51	4.11/4.07	2.98/2.96	4.01/3.98	3.06/3.04	3.88/3.86	3.16/3.11	3.22/3.18	3.04	3.12	3.27	3.37
AEER/ACOP (part-load %)][2]					3.69/3.63		3.67/3.61				3.71			
Power Supply			V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V											
Airflow (Low-Mid-High)		CMM	34-42		50Pa: 48-60, 100Pa: 43-54, 150Pa: 41-52				50-61-72				58-71-84	
		L/S	560-700		50Pa: 800-1,000, 100Pa: 716-900, 150Pa: 683-866				833-1,017-1,200				967-1,183-1,400	
External Static Pressure Pa			50/100/150						60/75/100/150					
Sound Pressure Level][3]		(dB)	39-42		42-45				38-41-44				40-43-46	
Return Air Spigot Size		(mm)	1,102×330						1,100×420					
Supply Air Spigot Size		(mm)	921×250						1,100×340					
Dimensions	Height	(mm)	400						470					
	Width	(mm)	1,400						1,370					
	Depth	(mm)	634						1,120					
Weight		(kg)	63						108					

Notes:

*1 Rated EER/COP for PEA-RP170/200WJA/250WHA are measured at ESP 75 Pa.

*2 MEPS compliant at part load.

*3 Sound pressure level for PEA-RP125/140GAA are measured in anechoic chamber at ESP 50 Pa.
Sound pressure level for PEA-RP170/200WJA/250WHA are measured in anechoic chamber at ESP 150 Pa.

SPECIFICATIONS

OUTDOOR UNIT						
Model			SUZ-KA25VAD	SUZ-KA35VAD	SUZ-KA50VAD	SUZ-KA60VAD	SUZ-KA71VAD
External Finish			Munsell 3.0Y 7.8/1.1				
Power Supply			Single-phase, 50Hz, 230V				
Compressor Output		(kW)	0.55	0.65	0.9	0.9	1.2
Airflow (Cooling / Heating)		CMM (L/S)	34 (568)/32 (534)	33 (551)	49 (817)	58 (960)/49 (816)	57 (950)/48 (800)
Sound Pressure Level (dB)	Cooling Mode		46	47	53	55	
	Heating Mode		46	48	55	55	
Sound Level		(dB)	59	61	68	69	
Dimensions	Height	(mm)	550		850	880	
	Width	(mm)	800		840	840	
	Depth	(mm)	285		330	330	
Weight		(kg)	30	33	53	50	53
Chargeless Piping Length		(m)	7				
Max. Piping Length		(m)	20		30		
Max. Height Difference		(m)	12		30		
Pipe Size OD		(mm)	Liquid: ø6.35		Liquid: ø6.35	Liquid: ø6.35	Liquid: ø9.52
			Gas: ø9.52		Gas: ø12.7	Gas: ø15.88	Gas: ø15.88
Thickness		(mm)	t 0.8			t 0.8	
			t 0.8			t 1.0	
Breaker Size		(A)	10		20		

OUTDOOR UNIT						
Model			PUHZ-RP71VHA5	PUHZ-RP100V/YKA2	PUHZ-RP125V/YKA2	PUHZ-RP140V/YKA2
External Finish			Munsell 3.0Y 7.8/1.1			
Power Supply			V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V			
Compressor Output		(kW)	1.6	1.9	2.4	2.9
Airflow (Cooling / Heating)		CMM (L/S)	60 (1,000)	110 (1,830)	120 (2,000)	
Sound Pressure Level (dB)	Cooling Mode		47	49	50	50
	Silent Mode		44	46	47	47
	Heating Mode		48	51	52	52
Sound Level		(dB)	66	69	70	70
Dimensions	Height	(mm)	943	1,338		
	Width	(mm)	950	1,050		
	Depth	(mm)	330	330		
Weight		(kg)	67	V: 118 Y: 119		V: 120 Y: 121
Chargeless Piping Length		(m)	30	30		
Max. Piping Length		(m)	50	75		
Max. Height Difference		(m)	30			
Pipe Size OD		(mm)	Liquid: ø9.52			
			Gas: ø15.88			
Thickness		(mm)	t 0.8			
			t 1.0			
Protection Device			Discharge thermo, HP switch			
Rated Running Current (Cooling / Heating)		(A)	9.05/9.64	V: 12.64/13.58 Y: 4.42/4.75	V: 16.36/16.90 Y: 5.73/5.91	V: 17.17/19.23 Y: 6.01/6.73
Breaker Size		(A)	25	V: 32 Y: 16		V: 40 Y: 16

OUTDOOR UNIT					
Model			PUHZ-RP170V/YKA2	PUHZ-RP200YKA2	PUHZ-RP250YKM
External Finish			Munsell 3.0Y 7.8/1.1	Munsell 3.0Y 7.8/1.1	Munsell 5.0Y 8.0/1.0 or Similar
Power Supply			V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V		
Compressor Output		(kW)	3.0	3.6	6.9
Airflow (Cooling / Heating)		CMM (L/S)	140 (2,330)	140 (2,330)	175 (2,917)
Sound Pressure Level (dB)	Cooling Mode		58	58	58
	Silent Mode		56	56	48
	Heating Mode		59	59	58
Sound Level		(dB)	76	76	78
Dimensions	Height	(mm)	1,338	1,338	1,650
	Width	(mm)	1,050	1,050	920
	Depth	(mm)	330	330	740
Weight		(kg)	V: 127 Y: 131	136	199
Chargeless Piping Length		(m)	30	30	0
Max. Piping Length		(m)	75	75	75
Max. Height Difference		(m)	30		
Pipe Size OD		(mm)	Liquid: ø9.52		Liquid: ø9.52
			Gas: ø25.4		Gas: ø22.2
Thickness		(mm)	t 0.8		
			t 1.0		
Protection Device			Discharge thermo, HP switch		
Rated Running Current (Cooling / Heating)		(A)	V: 19.4/23.9 Y: 6.8/8.3	8.2/9.7	9.7/11.0
Breaker Size		(A)	V: 40 Y: 32	32	32

GUARANTEED OPERATING RANGE						
			SUZ-KA			PUHZ
			25/35	50	60/71	71/100/125/140/170/200	250
Cooling	Upper Limit (DB)		46°C	43°C	46°C	46°C	46°C
	Lower Limit (DB)		–10°C	–15°C	–15°C	–5°C (–15°C*)	–5°C
Heating	Upper Limit (DB)		24°C	24°C	24°C	21°C	15.5°C (WB)
	Lower Limit (DB)		–15°C	–15°C	–15°C	–20°C	–20°C (WB)

* With the optional air protection guide, the operation at –15°C outdoor temperature is possible.

Sound Pressure Level:

- Sound pressure measurements were conducted in an anechoic chamber.
- The actual noise level depends on the distance from the unit and the acoustic environment.

Notes for All Specifications:

- Rating conditions (AS/NZS 3823)
- Cooling - Indoor: 27°C (80°F) DB, 19°C (66°F) WB Outdoor: 35°C (95°F) DB
- Heating - Indoor: 20°C (68°F) DB
- Outdoor: 7°C (45°F) DB, 6°C (43°F) WB
- Refrigerant piping length (one-way): 5m (16ft.)

* Above specifications are for outdoor units only.

* For PUHZ-RP250YKM: 7.5m (24ft.)

Total input based on the indicated voltage (indoor/outdoor)

	Indoor	Outdoor
50Hz	Single-phase, 230V	Single-phase, 230V/ Three-phase, 400V

NOTES

Dealer Contact Details & Product Recommendations

MITSUBISHI ELECTRIC

For more information contact
www.mitsubishielectric.com.au
Call 1300 722 228

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The purchaser must ensure that the person and/or companies are suitably licensed and experienced are permitted to install, service and repair the air conditioners. Suitable access for warranty and service is required. Specifications, designs and other content appearing in this brochure is current at the time of printing, and is subject to change without notice. Images are representational for illustration purposes.
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MITSUBISHI ELECTRIC

Air Conditioning Systems

MSZ-GL SERIES

PRODUCT FLYER

NEW PRODUCT

R32 Refrigerant

MSZ-GL Series

The standard model MSZ-GL units provide excellent energy-savings and operation is impressively quiet. A vast series line-up is ready to ensure comfortable room environments in response to your air conditioning needs.

SMALL ROOM*

Unit dimensions: 799(w) x 290(h) x 232(d) mm

MSZ-GL25VGD
Cooling Capacity: 2.5 (min 1.1 ~ 3.6kW)
Cooling Efficiency: EER:5.10/AEER:5.07
Heating Capacity: 3.2 (min 1.3 ~ 5.0kW)
Heating Efficiency: COP:4.85/ACOP:4.82

MSZ-GL35VGD
Cooling Capacity: 3.5 (min 1.1 ~ 4.1kW)
Cooling Efficiency: EER:4.12/AEER:4.10
Heating Capacity: 3.7 (min 1.6 ~ 5.1kW)
Heating Efficiency: COP:4.57/ACOP:4.55

MSZ-GL42VGD
Cooling Capacity: 4.2 (min 0.9 ~ 4.8kW)
Cooling Efficiency: EER: 3.62/AEER:3.61
Heating Capacity: 5.4 (min 1.4 ~ 6.0kW)
Heating Efficiency: COP: 3.70/ACOP:3.69

MEDIUM ROOM*

Unit dimensions: 923(w) x 305(h) x 250(d) mm

MSZ-GL50VGD
Cooling Capacity: 4.8 (min 1.5 ~ 6.2W)
Cooling Efficiency: EER:4.10/AEER:4.09
Heating Capacity: 5.8 (min 1.6 ~ 8.0kW)
Heating Efficiency: COP:4.23/ACOP:4.22

MSZ-GL60VGD
Cooling Capacity: 6.0 (min 1.5 ~ 7.2kW)
Cooling Efficiency: EER:3.7/AEER:3.77
Heating Capacity: 6.8 (min 2.0 ~ 9.3kW)
Heating Efficiency: COP:4.07/ACOP:4.06

LARGE ROOM*

Unit dimensions: 1100(w) x 325(h) x 238(d) mm

MSZ-GL71VGD
Cooling Capacity: 7.1 (min 2.4 ~ 8.7kW)
Cooling Efficiency: EER:3.53/AEER:3.53
Heating Capacity: 8.0(min 2.2 ~ 9.9kW)
Heating Efficiency: COP:3.83/ACOP:3.82

MSZ-GL80VGD
Cooling Capacity: 7.8 (min 2.4 ~ 9.2kW)
Cooling Efficiency: EER:3.31/AEER:3.30
Heating Capacity: 9.0(min 2.2 ~ 11.0kW)
Heating Efficiency: COP:3.53/ACOP:3.52

* Large windows and room volume are some of the factors that may effect the perfomance of the air conditioning unit.

R32 Refrigerant

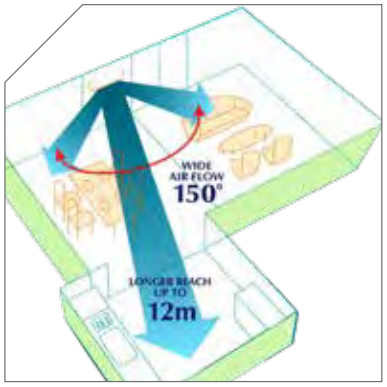
R32 is a refrigerant with just one-third the global warming potential of R410A, meaning less risk of harm to the environment. R32 enables increased energy efficiency, and is said to be the next generation in refrigerants.

Quiet Operation

A “Quiet Mode” setting has been added to the fan speed settings, ensuring super quiet operation below 19dB for model sizes 35 and under. Perfect for the bedroom; it’s so quiet you’ll check to see if it’s on.

i-Save Mode

“i-Save” is a setting function that recalls the preferred (preset) temperature by pressing the i-Save button on the remote controller. Press the same button twice to immediately return to the previous temperature setting. This function contributes to energy savings when, for example, leaving the room or going to bed.



Wide & Long Airflow

Wide and long airflow modes allow the airflow direction to be adjusted. These modes are simply activated at the touch of a button on your remote controller. (models 60/71/80)

Energy Efficient

We strive for the perfect balance of performance, reliability, low power consumption and a long operational life span for all our products. The airflow speed and temperature are adjusted to prevent over heating/cooling, thereby eliminating the consumption of excessive electricity.

Blue Fin Condenser

Anti-corrosion treatment has been applied to the heat exchanger of the outdoor unit. This coating slows the the corrosion process of the aluminum fins, this is caused by salt in the air especially in coastal areas. (Corrosion of the heat exchanger will effect the efficiency and performance of the AC.)

Features

- Econo Cool
- Auto Vane
- Pure White
- Demand Response Capable
- Low Temperature Cooling
- Compact (models 25/35/42)
- Weekly Timer
- Auto Restart
- Quick Clean (models 25/35/42)
- Auto Fan Speed
- Auto Change Over
- Horizontal Swing
- Vertical Swing (models 50/60/71/80)
- Anti-Allergy Enzyme Filter
- 24 Hour Timer
- Operating Temperature range
  Cooling at -10°C ~ 46°C
  Heating at -15°C ~ 24°C

Wi-Fi Control

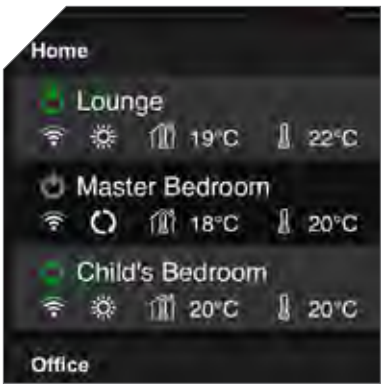
Wi-Fi Control unlocks the door to smarter heating or cooling, for total home comfort wherever you are. This innovative technology connects your MSZ-GL Series air conditioner to your smartphone, tablet or online account, giving you the freedom to fully control each unit on-the-go via an internet connection from anywhere in the world.

Superior Customisation

This innovative technology places multiple functions of your air-conditioner at your fingertips. Turning the unit ON/OFF, adjusting set temperature, changing mode, fan speed and airflow direction are all possible.

Develop Operating Rules

Tailor your system to always meet your needs. Unlock the full potential of your air-conditioner, program your system to automatically turn on/off at specific times, change settings, and develop temperature rules to ensure superior comfort day after day.



Control Multiple Units

Customise the settings of each air-conditioner in your home. Purchase multiple adaptors to manage all air-conditioners independently on the same account to ensure complete control over your system. The result is a tailored system to your needs.

*Additional upgrade adapter MAC-558IF required per unit

Handheld Controller

Making the most out of your air conditioner all starts with the controls, this allows you to create the comfort levels to match your demands.

Weekly Remote Controller

With an easy to read display and a variety of operating modes at the touch of a button. This controller features a weekly and 24 hour timer, to set operating times on a daily basis. The 'i-Save' mode recalls the preset temperature. This remote is included with all MSZ-GL units.

Specifications

Indoor Unit			MSZ-GL25VGD	MSZ-GL35VGD	MSZ-GL42VGD
Outdoor Unit			MUZ-GL25VGD	MUZ-GL35VGD	MUZ-GL42VGD
Power Supply (V, Phase, Hz)			230V, Single, 50Hz, Outdoor unit power supply		
Cooling	Capacity (min.-max.)	kW	1.1 - 2.5 - 3.6	1.1 - 3.5 - 4.1	0.9 - 4.2 - 4.8
	Input (min.-max.)	kW	0.19 - 0.49 - 0.99	0.19 - 0.85 - 1.18	0.17 - 1.16 - 1.90
	AEER/EER	kW	5.07 / 5.10	4.10 / 4.12	3.61 / 3.62
	Star Rating		5.5	3.5	2.5
	Running Currnet	A	2.6	4.0	5.3
	Sound Pressure Level	IN - dB	19 - 24 - 31 - 38 - 44	19 - 24 - 31 - 38 - 44	26 - 29 - 35 - 40 - 46
		OUT - dB	46 (59)	50 (62)	51 (64)
	Air Volume(IN)	L/S	67 - 200	67 - 200	77 - 205
Heating	Capacity (min. max.)	kW	1.3 - 3.2 - 5.0	1.6 - 3.7 - 5.1	1.4 - 5.4 - 6.0
	Input (min.-max.)	kW	0.20 - 0.66 - 1.37	0.20 - 0.81 - 1.42	0.19 - 1.46 - 1.90
	ACOP/COP	kW	4.82 / 4.85	4.55 / 4.57	3.69 / 3.70
	Star Rating		5.0	4.5	3.0
	Running Currnet	A	3.5	3.8	6.6
	Sound Pressure Level	IN - dB	19 - 25 - 31 - 38 - 42	19 - 25 - 31 - 38 - 45	26 - 29 - 35 - 40 - 46
		OUT - dB	49 (59)	50 (62)	52 (64)
	Air Volume(IN)	L/S	62 - 182	62 - 200	67 - 205
Starting Current		A	3.5	4.0	6.6
Max.Running Current		A	7.1	7.1	9.5
Intdoor Unit	Input	W	26 / 26	26 / 26	27 / 27
	Dimensions [HxWxD]	mm	290 x 799 x 232	290 x 799 x 232	290 x 799 x 232
	Weight	kg	10	10	10
Outdoor Unit	Dimenions (HxWxD)	mm	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285
	Weight	kg	33	33	34
	Breaker Size	A	10	10	10
Ext.Piping	Diameter (Gas/Liquid)	mm	9.52 / 6.35	9.52 / 6.35	9.52 / 6.35
	Max.Length/Height	m	20 / 12	20 / 12	20 / 12
Guaranteed Operating Range (Outdoor)		Cooling	-10 ~ 46 °C		
		Heating	-15 ~ 24 °C		

Indoor Unit			MSZ-GL50VGD	MSZ-GL60VGD	MSZ-GL71VGD	MSZ-GL80VGD
Outdoor Unit			MUZ-GL50VGD	MUZ-GL60VGD	MUZ-GL71VGD	MUZ-GL80VGD
Power Supply (V, Phase, Hz)			230V, Single, 50Hz, Outdoor unit power supply			
Cooling	Capacity (min.-max.)	kW	1.5 - 4.8 - 6.2	1.5 - 6.0 - 7.2	2.4 - 7.1 - 8.7	2.4 - 7.8 - 9.2
	Input (min.-max.)	kW	0.30 - 1.17 - 2.07	0.30 - 1.59 - 2.30	0.48 - 2.01 - 3.20	0.48 - 2.36 - 3.20
	AEER/EER	kW	4.09 / 4.10	3.77 / 3.77	3.53 / 3.53	3.30 / 3.31
	Star Rating		4.0	3.0	2.5	2.0
	Running Currnet	A	5.2	7.1	8.8	10.8
	Sound Pressure Level	IN - dB	28 - 33 - 39 - 44 - 49	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 53
		OUT - dB	54 (69)	55 (69)	55 (69)	55 (69)
	Air Volume(IN)	L/S	113 - 282	107 - 268	153 - 290	153 - 290
Heating	Capacity (min. max.)	kW	1.6 - 5.8 - 8.0	2.0 - 6.8 - 9.3	2.2 - 8.0 - 9.9	2.2 - 9.0 - 11.0
	Input (min.-max.)	kW	3.4 - 1.37 - 2.68	0.03 - 1.67 - 2.84	0.42 - 2.09 - 3.65	0.43 - 2.55 - 3.65
	ACOP/COP	kW	4.22 / 4.23	4.06 / 4.07	3.82 / 3.83	3.52 / 3.53
	Star Rating		3.5	3.5	3.0	2.5
	Running Currnet	A	6.1	7.4	9.1	11.3
	Sound Pressure Level	IN - dB	28 - 33 - 38 - 43 - 48	29 - 37 - 41 - 45 - 51	30 - 37 - 41 - 45 - 51	30 - 37 - 41 - 45 - 51
		OUT - dB	56 (69)	55(69)	55(69)	55(69)
	Air Volume(IN)	L/S	113 - 282	107 - 290	163 - 340	163 - 340
Starting Current		A	6.1	7.4	9.1	11.3
Max.Running Current		A	14.3	14.3	16.5	16.3
Intdoor Unit	Input	W	34 / 34	35 / 41	36 / 45	55 / 45
	Dimensions [HxWxD]	mm	305 x 923 x 250	305 x 923 x 250	325 x 1100 x 238	325 x 1100 x 238
	Weight	kg	12.5	13	15.5	15.5
Outdoor Unit	Dimenions (HxWxD)	mm	880 x 840 x 330	880 x 840 x 330	880 x 840 x 330	880 x 840 x 330
	Weight	kg	53	53	55	55
	Breaker Size	A	16	16	20	20
Ext.Piping	Diameter (Gas/Liquid)	mm	9.52 / 6.35	12.7 / 6.35	12.7 / 6.35	12.7 / 6.35
	Max.Length/Height	m	30 / 15	30 / 15	30 / 15	30 / 15
Guaranteed Operating Range (Outdoor)		Cooling	-10 ~ 46 °C			
		Heating	-15 ~ 24 °C			

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MITSUBISHI ELECTRIC

Changes for the Better

Natural Comfort for Everybody

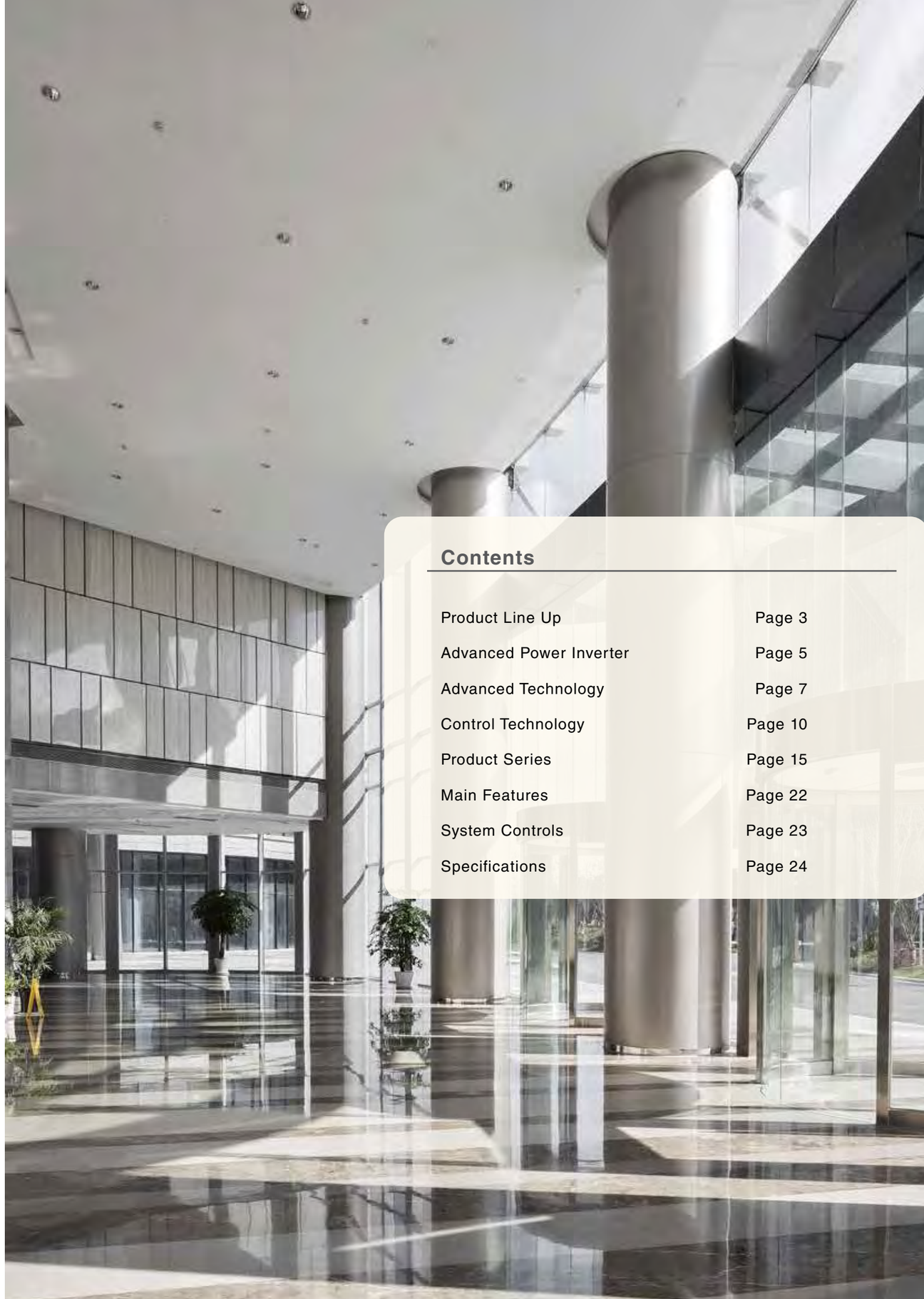
Mr.SLIM

AIR CONDITIONING SYSTEMS

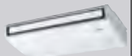
COMFORT TAKES ON NEW MEANING WITH THE POWER OF TECHNOLOGY

Our technologically advanced Mr. Slim Power Inverter systems improve comfort, operate with significantly less noise, ... and provide increased energy savings.

Mr.SLIM



Contents

Product Line-up		2.5kW	3.5kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	17.0kW	20.0kW	25.0kW	Remote controller	See page
 4-way Ceiling Cassette	SLZ Series Compact cassette	 SLZ-KA25VAQ(L)		 SLZ-KA50VAQ(L)									 optional for SLZ-VAQ  optional for SLZ-VAQ standard for SLZ-VAL	21
	PLA Series Wide Power cassette				 PLA-RP60BA	 PLA-RP71BA	 PLA-RP100BA	 PLA-RP125BA	 PLA-RP140BA				 optional  optional optional	15 16
 Compact Bulkhead	SEZ Series	 SEZ-KD25VAQ(L)	 SEZ-KD35VAQ(L)	 SEZ-KD50VAQ(L)	 SEZ-KD60VAQ(L)	Combination only with SUZ-KA71  SEZ-KD71VAQ(L)							 optional for SEZ-VAQ  optional for SEZ-VAQ standard for SEZ-VAL	21
 Ceiling-concealed	PEAD Series					 PEAD-RP71JAA	 PEAD-RP100JAA	 PEAD-RP125JAA	 PEAD-RP140JAA				 optional  optional   optional for PEAD optional	17
	PEA Series						 PEA-RP100GAA	 PEA-RP125GAA	 PEA-RP140GAA	 PEA-RP170WJA	 PEA-RP200WJA	 PEA-RP250WHA	 optional  optional   optional	18
 Ceiling-suspended	PCA Series			 PCA-RP50KAQ	 PCA-RP60KAQ	 PCA-RP71KAQ	 PCA-RP100KAQ	 PCA-RP125KAQ	 PCA-RP140KAQ				 optional  optional optional	19
 Wall-mounted	PKA Series					Combination only with PUHZ-RP71  PKA-RP71KAL	 PKA-RP100KAL						 optional  optional standard	20
Outdoor unit		 SUZ-KA25VAD	 SUZ-KA35VAD	 SUZ-KA50VAD	 SUZ-KA60VAD	 SUZ-KA71VAD  PUHZ-RP71VHA5	 PUHZ-RP100V/YKA2	 PUHZ-RP125V/YKA2	 PUHZ-RP140V/YKA2	 PUHZ-RP170V/YKA2	 PUHZ-RP200YKA2	 PUHZ-RP250YKM		

*SEZ/SLZ indoor units should be connected to an SUZ outdoor unit.
*PKA-RP71: only for PUHZ-RP outdoor connection.
*PEA-RP: No wireless remote controller as optional parts.

Advanced Power Inverter

Mitsubishi Electric's Power Inverter systems increase energy efficiency.

To better meet the needs of shops and offices, our outdoor units are offered in three-phase power supply models in addition to the existing line-up of single-phase models. Select the model to best match your needs from our expanded model range.

PUHZ-RP71

PUHZ-RP100/125/140/170/200

PUHZ-RP250

Outdoor Line-up (PUHZ-RP series)							
	71	100	125	140	170	200	250
Single-phase	●	●	●	●	●		
Three-phase		●	●	●	●	●	●

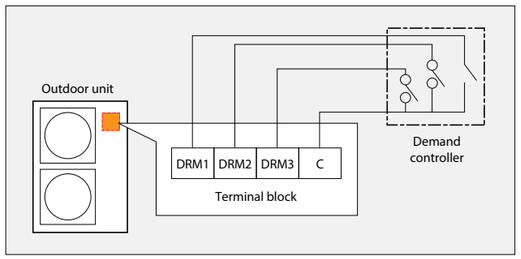
Demand Function

Based on the connection of a demand response enabling device (DRED) to the outdoor unit, Demand Response Mode is activated in response to signals sent from the electric authority at times when it is necessary to reduce peak demand.
The units with service reference number PUHZ-RP·VHA5R1-A and PUHZ-RP·V/YKA2R1-A are demand response capable.
This capability is possible with the connection of a demand response enabling device (DRED) to the terminal block interface (BT00C023G02).
This item is supplied in a sealed bag located in the compressor chamber.
Connection of the terminal block interface is a mandatory requirement for the installation of any PUHZ-RP·VHA5R1-A and PUHZ-RP·V/YKA2R1-A units.
When installed the system is demand response capable; that is, ready to be connected to a demand response enabling device (DRED)*.

*PUHZ-RP250 is excluded.
Please contact Mitsubishi Electric Australia Pty. Ltd. for details.

Air Conditioner Demand Response Mode

Demand Response Mode (DRM)	Description of operation in this mode
DRM1	Compressor Off
DRM2	The air conditioner continues to cool or heat during the demand response event, but the electrical energy consumed by the air conditioner in a half hour period is not more than 50% of the total electrical energy that would be consumed if operating at the rated capacity in a half hour period.
DRM3	The air conditioner continues to cool or heat during the demand response event, but the electrical energy consumed by the air conditioner in a half hour period is not more than 75% of the total electrical energy that would be consumed if operating at the rated capacity in a half hour period.



see specification on Page 24

Long Maximum Piping Length

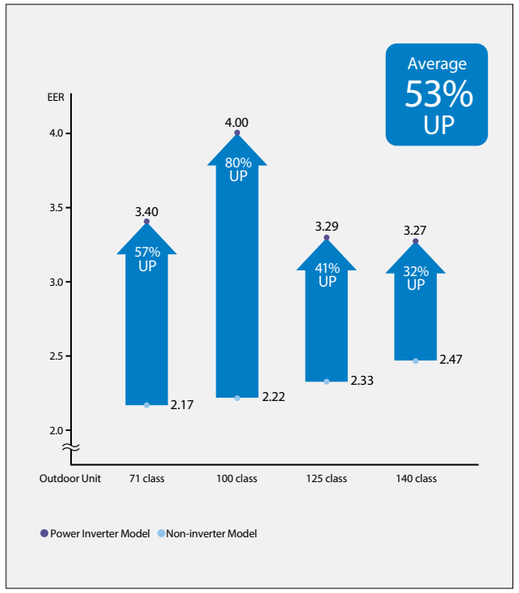
The maximum piping length is 75m.
Therefore there is a wide range of layout possibilities for unit installation.

Max. piping length		
	Max. height difference	Max. piping length (one-way)
PUHZ-RP71	30m	50m
PUHZ-RP 100/125/140/170/200/250	30m	75m

High Energy Efficiency

Comparison of EER (cooling mode)

Comparison of EER between non-inverter and Power Inverter (4-way ceiling cassette) models.



EER are measured at rated condition.

High Power

More Power for Faster Cooling/Heating

Powerful Cooling/Heating Performance

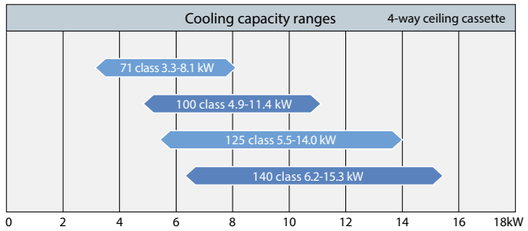
The maximum operating cooling/heating capacity of the Mr. Slim Power Inverter units have been improved (compared to conventional non-inverter models) when operating in either low or high outdoor temperatures.

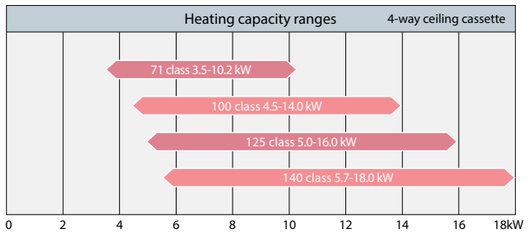
Cooling capacity (kW)			4-way ceiling cassette
	R22 Non-inverter	R410A Power inverter max. (PUHZ-RP)	
71 class	7.7	8.1	105%
100 class	9.7	11.4	118%
125 class	12.4	14.0	113%
140 class	14.0	15.3	109%

Heating capacity (kW)			4-way ceiling cassette
	R22 Non-inverter	R410A Power inverter max. (PUHZ-RP)	
71 class	8.4	10.2	121%
100 class	10.4	14.0	135%
125 class	14.0	16.0	114%
140 class	16.1	18.0	112%

Wider Performance Range

Operation is now possible at lower speeds, thus cutting energy losses produced by the repeated On/Off operation of non-inverter models. Comfort is improved while power consumption is reduced.





see specification on Page 24

Cleaning-free Pipe Reuse Technology <PUHZ-RP71–200>

Cleaning-free, pipe reuse

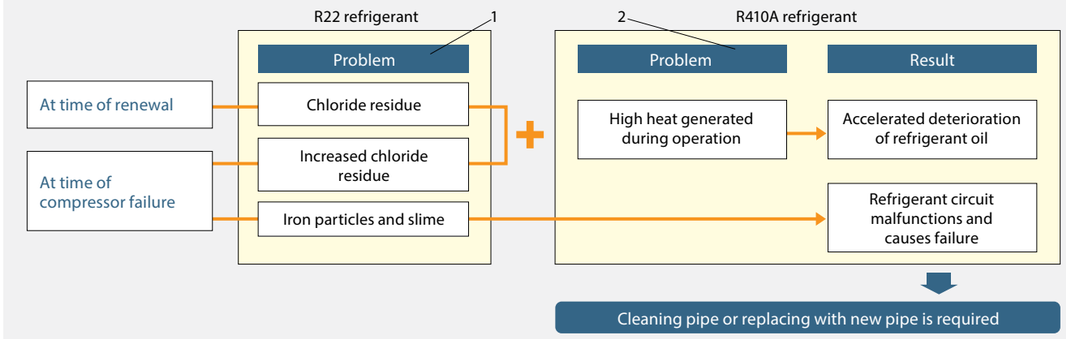
Ability to use existing piping reduces pipe waste and replacement time

No Need to Clean at the Time of System Renewal

Chloride residue builds up in existing pipes and becomes a source of trouble. In addition, the iron particles and slime produced as a result of compressor failure lead to problems. To counter this, various original Mitsubishi Electric technologies have been combined to enable the introduction of “cleaning-free pipe reuse.”

This feature is available in the PUHZ-RP71-200

Why can’t existing piping be used?



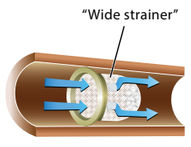
Mitsubishi Electric’s Original Replacement Technologies

Countermeasure for Problem 1

Technology 1

Original High-quality Filtration

Our original high-quality filtration device called the “Wide strainer” is equipped inside the refrigerant inlet and outlet pipe. The “Wide strainer” traps iron particles and provide cleaning-free pipe reuse. In addition, improvements to the metal used in the bearings of our new scroll compressors provide more robust units.



Countermeasure for Problem 2

Technology 2

Friction Reduction (moving parts in compressor)

Friction inside the compressor is reduced by using an original Mitsubishi Electric technology called the “Heat Caulking Fixing Method” or coating the edge of the blade in the scroll compressor, thereby suppressing the increase in temperature that causes refrigerant oil deterioration.

Existing piping can be used without cleaning

⚠Cautions when using existing piping

- When removing an old air conditioning unit, please make sure to perform the pump-down process and recover the refrigerant and refrigerant oil.
- Check to ensure that the piping diameter and thickness match Mitsubishi Electric specifications.
- Check to ensure that the flare is compatible with R410A.

see specification on Page 24

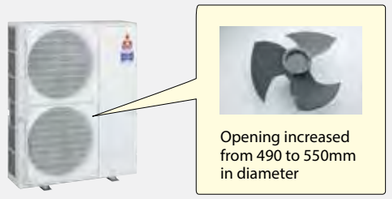
Advanced Energy-efficient Technologies

Highly efficient fan and grille for outdoor unit

The shapes of the fan and grille of the outdoor unit have been redesigned, realising an increase in blowing capacity and more efficient heat exchange while maintaining the same operating noise level.

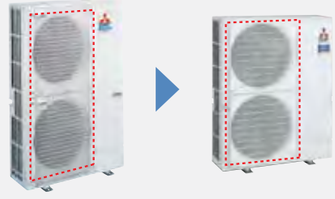
Outdoor unit fan opening increased <PUHZ-RP100-200>

The diameter of the opening for the fan in the outdoor unit has been increased from 490 to 550mm. Blowing capacity has been increased while maintaining the same fan rotation speed.



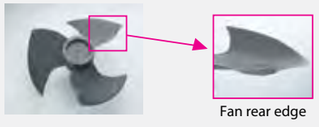
Grille shape changed <PUHZ-RP71-200>

The shape of the air outlet grille has been changed to reduce pressure loss. This has helped to improve heat exchange performance.



Inflexed fan <PUHZ-RP100-200>

Adoption of a fan with improved ventilation characteristics and a newly designed rear edge that suppresses wind turbulence raises fan operation efficiency.



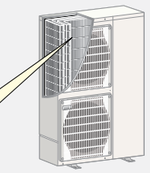
Highly efficient heat exchanger

A high density and increase in surface area have improved the heat-exchange efficiency of the heat exchanger.

High-density heat exchanger <PUHZ-RP100-200>

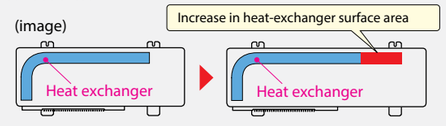
The pipe diameter has been changed from 9.52 to 7.94mm, resulting in a high-density heat exchanger.

2 lines, 52 columns
↓
2 lines, 64 columns (RP100–200)



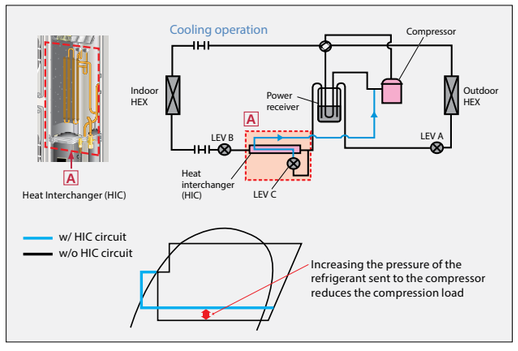
Heat-exchange surface area increased <PUHZ–RP100–200>

Heat exchanger size extended horizontally, increasing the surface area.



Heat Interchanger (HIC) Added <PUHZ-RP140>

A HIC circuit has been added to improve energy efficiency during cooling operation. Liquid refrigerant is rerouted, transformed into a gas state and injected back into the system to increase overall pressure of the refrigerant being sent to the compressor, thereby reducing the load on the compressor and raising efficiency.



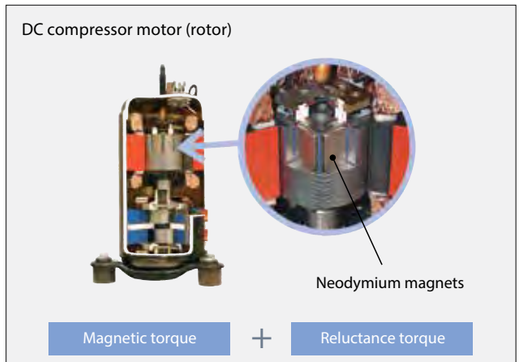
see specification on Page 24

Advanced Technology for High Efficiency

Numerous Leading-edge Technologies Assure High Efficiency

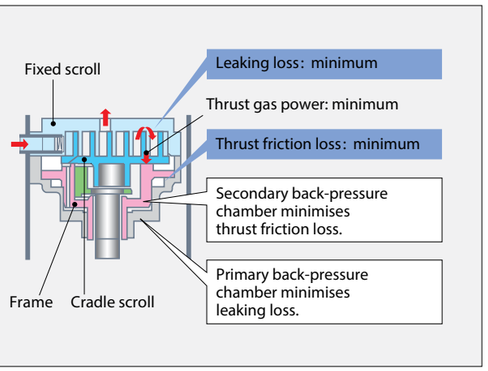
Reluctance DC Rotary Compressor <PUHZ-RP71>

The reluctance DC motor has a rotor equipped with powerful neodymium magnets. The magnetic torque produced by the neodymium magnets and reluctance torque results in more efficient operation.



Highly Efficient DC Scroll Compressor <PUHZ-RP71–200>

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 the leakage and friction loss, and ensuring higher efficiency at all speeds.



DC Fan Motor <PUHZ-RP71–200>

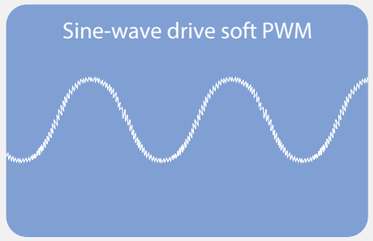
A highly efficient DC motor has been installed to drive the fan of outdoor units, realising up to 60% higher efficiency when compared to an equivalent AC motor.

Vector-Wave Eco Inverter

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

Smooth AC wave pattern

The inverter has been made more compact by inserting the circuitry inside a synthetic resin molding.
To ensure quiet operation, soft PWM control is used to prevent the metallic whine associated with conventional inverters.



Power Receiver and Twin LEV Control <PUHZ-RP71–200>

Mitsubishi Electric has developed a power receiver and twin linear expansion valves (LEVs) that optimise the performance of the compressor. By ensuring optimum control in response to the operating waveform and outdoor temperature, this technology is tailored to the characteristics of the new refrigerant to enhance operating efficiency.

see specification on Page 24

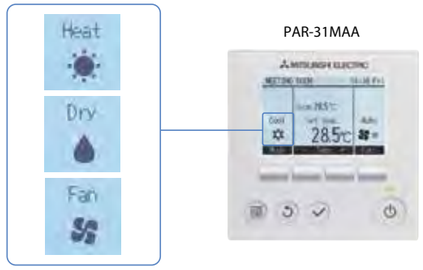
Full Dot Liquid-crystal Display Adopted

PAR-31MAA

Advanced Technology for High Efficiency

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

Display Example [Operation Mode]



Easy To Read & Easy To Use

Multi-language

Multi-language Display

Control panel operation in eight different languages

Choose the desired language, among the following languages.

Energy-efficient Control

Operation Control Functions

Energy-efficiency Schedule

Precise control of power consumption <PUHZ–RP71–200>

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. Air-conditioning operation is automatically controlled to ensure that electricity in excess of the contracted volume is not consumed.

■Setting pattern example

Start time		Finish time	Adjusted capacity level
8:15	→	12:00	80%
12:00	→	13:00	50%
13:00	→	17:00	90%
17:00	→	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.

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.

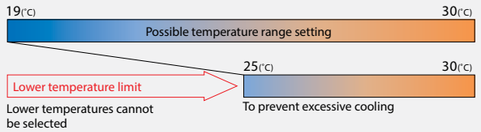
Temperature Range Restriction

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.

*Based on Mitsubishi Electric laboratory tests in controlled conditions

Cooling/Dry (Setting example of minimum temp. in 25°C)



Recommended for: Office, Restaurant

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. Eliminating all anxiety about forgetting to turn off the unit.

Recommended for: Meeting room, Changing room

Operation Lock

Fixed temperature setting promotes energy efficiency

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 efficiency. This feature is also useful in preventing erroneous operation or tampering.

Recommended for: Office, School, Public hall, Hospital, Computer server facility

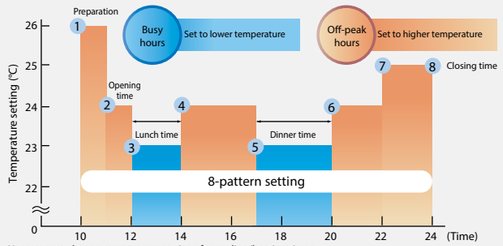
Weekly Timer

Set up to 8 patterns per day including temperature control

The Weekly Timer enables the setting of operation start and finish times and adjusting the temperature as standard features. Up to 8 patterns per day can be set, providing operation that matches the varying conditions of each period, such as the number of customers in the store.

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

Setting Example (restaurant in summer time)



Necessary to change temperature settings for cooling/heating times.
*Joint research conducted by Mitsubishi Electric.

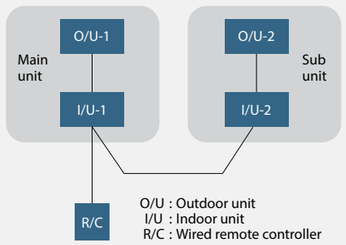
Rotation, Back-up and 2nd Stage Cut-in Functions (PAR-31MAA) <PUHZ-RP71–200>

(1) Rotation and Back-up Functions

Function Outline

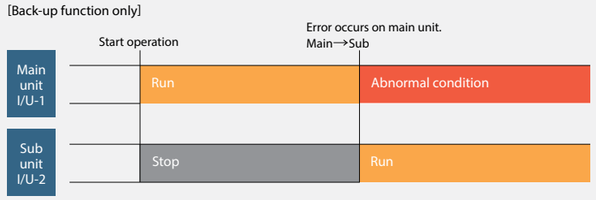
- Main and Sub units take turns operating according to a rotation interval setting.
- If one unit malfunctions, the other unit automatically begins operation (Back-up function).

System Image

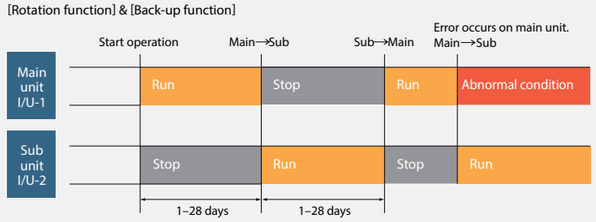


Operation Pattern

[Back-up function only]



[Rotation function] & [Back-up function]



(When the request code is "313", each unit operates alternately in daily cycle.)

(2) 2nd Stage Cut-in Function

Function Outline

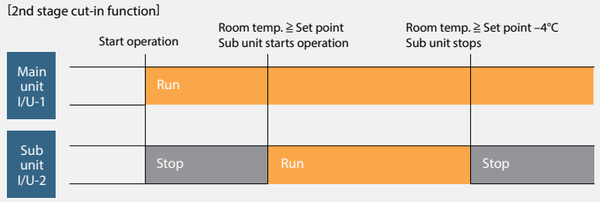
- Number of units operating is based on room temperature and predetermined settings.
- When room temperature rises above the desired setting, the standby unit starts (2-unit operation).
- When the room temperature falls 4°C below the predetermined setting, the standby unit stops (1-unit operation).

System Constraint

- This function is only available for rotation operation and when the back-up function is in cooling mode.

Operation Pattern (When cooling)

[2nd stage cut-in function]



Easy Maintenance Function <PUHZ-RP71–200>

- Nearly maintenance-free operation
- Monitor operation data of the indoor and outdoor units via the remote controller. Remote controller also lets you set the operating frequency, allowing easier inspection.

Compressor		Outdoor Unit		Indoor Unit	
①	Accumulated operating time (×10hr)	④	Heat exchanger temperature (˚C)	⑦	Intake-air temperature (˚C)
②	Number of ON/OFF times (×100 times)	⑤	Discharge temperature (˚C)	⑧	Heat exchanger temperature (˚C)
③	Operating current (A)	⑥	Outdoor-air temperature (˚C)	⑨	Filter operating time* (hr)

*The filter operating time is the time elapsed since the filter button is reset.

Wi-Fi Controller MAC-558IF-E

New

MAC-558IF-E

Wi-Fi Control unlocks the door to smarter heating or cooling, for total home comfort wherever you are. This innovative technology connects your domestic high wall, floor mounted and ducted air conditioner to your smartphone, tablet or online account, giving you the freedom to fully control each unit on-the-go via an internet connection from anywhere in the world.

Wi-Fi CONTROL

Key Features

- View & Control from anywhere in the world
-Enhance energy savings
-Set up 7 days weekly schedule
-Wireless connection using WPS

Superior Customisation

This innovative technology places multiple functions of your air-conditioner at your fingertips. Turning the unit ON/OFF, adjusting set temperature, changing mode, fan speed and airflow direction are all possible.

Develop Operating Rules

Tailor your system to always meet your needs. Unlock the full potential of your air-conditioner, programme your system to automatically turn on/off at specific times, change settings, and develop temperature rules to ensure superior comfort day after day.

Room Temperature Limits

With the ability to sense the room temperature and now automatically turn on of off to take the room to the desires temperature. Creating ultimate comfort for your home. Winter set minimum temperatures to warm up your home and Summer set maximum temperatures to create comfort cooling the room.

Control Multiple Units

Customise the settings of each air-conditioner in your home. Purchase multiple adaptors to manage all air-conditioners independently on the same account to ensure complete control over your system. The result is a tailored system to your needs.

Minimum requirements

You will require a compatible WPS router with WPA2-AES encryption, with coverage including the air-conditioners installation location. A PC/Tablet/Smartphone that is iOS, Android compatible. A MAC-558IF-E adaptor per indoor unit. Compatible Mitsubishi Electric Air-conditioner. For a full list of requirements visit mitsubishielectric.com.au/wifi

Available for Download

Available on the App Store

ANDROID APP ON Google play

Download the WiFi App from the App store or Google Play

Zone Controller for PEAD/PEA Series

New

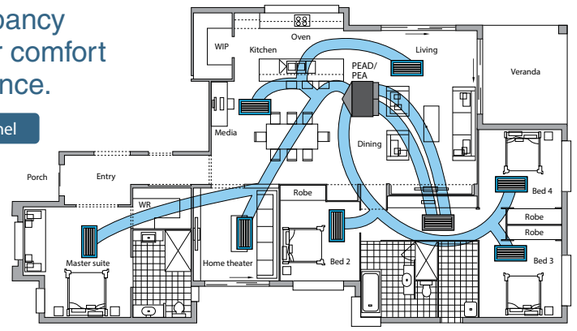
PAC-ZC40/80L-E
PAC-ZC40/80H-E

Operation of up to 8 dampers and occupancy and brightness sensors provides greater comfort while improving energy-saving performance.

Main screen

Zone control screen

Actual size: 120×140×25mm (H×W×D)



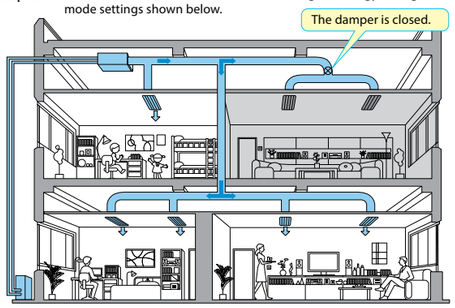
Control operation of up to 8 dampers

By controlling the operation of up to eight dampers, the waste of operating air conditioning in unoccupied areas and areas where it is not needed can be prevented. Detailed control makes it possible to set operation to suit the user's needs.

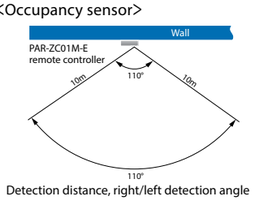
Occupancy and brightness sensors

The controller is equipped with a occupancy and brightness sensors that are used to determine if the room is occupied. When no one is in the room, operation switches to energy-saving mode. Excellent for ensuring that the air conditioning gets turned off, and thereby contributing to further energy savings.

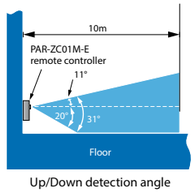
<Example> When "Zone control" mode is selected among the energy-saving mode settings shown below.



<Occupancy sensor>



Detection distance, right/left detection angle



Up/Down detection angle

<Energy-saving mode>

Energy-saving mode settings can be selected (see table below).

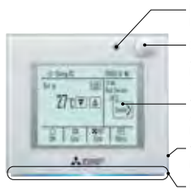
Deactivate	Even if no one is detected, Energy-saving mode is not set.
Temperature setting slide	Use slide to set desired temperature from presently set temperature.
Reduce airflow	Set airflow to "Low".
Operation/Stop	Stop operation.
Zone control	Turn off target zone settings.

Easy to see and use

- A large, full-dot liquid-crystal screen is incorporated, greatly simplifying touch panel operation.
- The backlight makes operation in dark rooms possible.

LED indicator

The LED indicator in the lower part of the controller clearly shows the operation mode. Easily confirm if the air conditioning is on or off from a distance. *Set to all green display before shipping.



Brightness sensor
If room light is on, energy-saving control is deactivated.

Occupancy sensor
Judges whether or not someone is in the room by detecting human motion. If the room is unoccupied, air conditioning is switched to Energy-saving mode.

Touch panel with backlight
A 4.3-inch touch-panel liquid-crystal screen with a backlight has been incorporated.

Temperature sensor
Monitors the temperature near the remote controller.

LED indicator
Indicates the operation mode or room temperature using colours. *Setting is required.

Schedule setting

- Built-in weekly schedule function can control turning air conditioner on and off, and opening and closing of each damper. Up to eight patterns can be set for each week, enabling operation suitable for each time zone to be set.
- Night setback function is incorporated. If the room temperature is outside of the temperature range setting, heating or cooling operation starts automatically. This can prevent condensation or excessive temperature rise in the room.

Wi-Fi compatibility

Can be operated from tablet, smartphone, etc.

<Zone controller>

PAC-ZC40H-E	240Volt	4 zones (max.)
PAC-ZC80H-E	240Volt	8 zones (max.)
PAC-ZC40L-E	24Volt	4 zones (max.)
PAC-ZC80L-E	24Volt	8 zones (max.)

<Optional parts>

Wi-Fi Control Interface	MAC-558IF-E
Remote Sensor	PAC-SE41TS-E
Zone Remote Controller	PAR-ZC01M-E

Simple MA Remote Controller PAC-YT52CRA

PAC-YT52CRA

Backlit LCD

Features a liquid-crystal display (LCD) with backlight for operation in dark conditions.

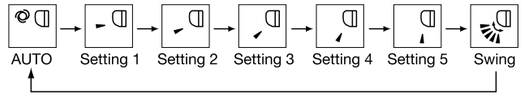
Flat Back

The slim and flat-back shape makes installation easier without requiring a hole in the wall. Thickness is 14.5mm or less.

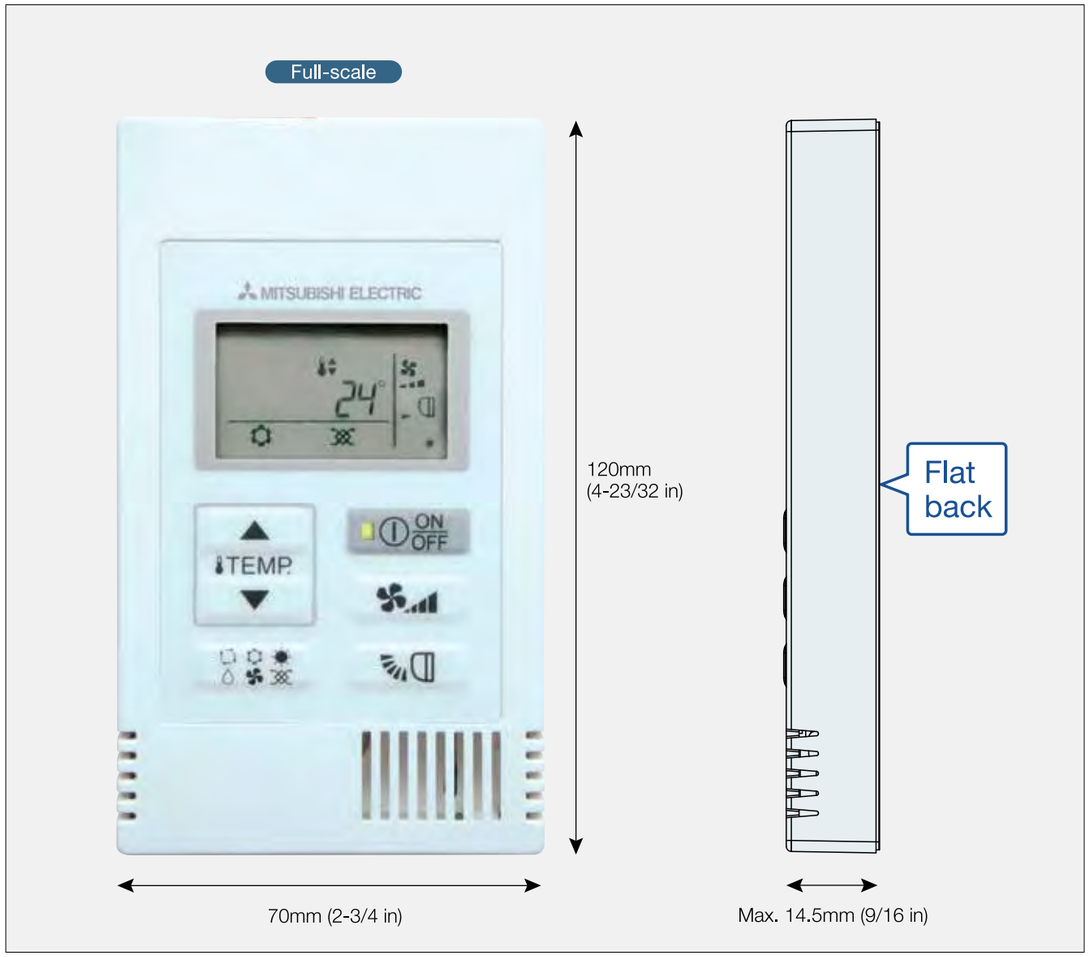
Vane Angle Setting

The vane button has been added to allow users to change the air-flow direction (ceiling-cassette and wall-mounted units).

Pressing the [vane] button will switch the vane direction.



* 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 [vane] button is pressed.



4-way Ceiling Cassette

(i-see Sensor: optional)

PLA-RP60/71
100/125/140BA

optional

Advancements in PLA series improve style and performance for ensured indoor comfort

Wide Airflow

Wide-angle outlets distribute airflow to all corners of the room, ensuring the room is sufficiently cooled/heated. Horizontal airflow and a fan speed reduced by 20% compared to conventional models also contribute to increased comfort for occupants.

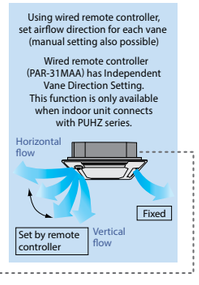
Less Cold Draft

The horizontal airflow function prevents cold drafts from striking the body directly, thereby keeping the body from becoming over-chilled.

Horizontal airflow prevents drafty feeling

Independent Vane Direction Setting

Use the wired remote controller to set the airflow pattern of each vane independently. Easily adjust airflow to the interior layout and seasonal conditions, to help ensure an even temperature distribution.

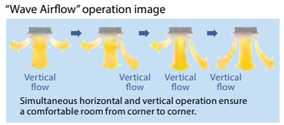


Settings can be changed anytime using a wired remote controller.

Wave Airflow Mode for Heating

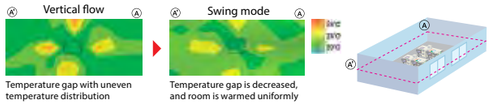
The airflow direction at each outlet changes intermittently, providing a consistent temperature throughout the room.

"Wave Airflow" operation image



Simultaneous horizontal and vertical operation ensure a comfortable room from corner to corner.

• Wave control effect thermograph



Temperature gap with uneven temperature distribution

Temperature gap is decreased, and room is warmed uniformly

Auto Fan Speed Mode

The fan speed is adjusted automatically, thereby helping to maintain a comfortable room environment at all times. At the start of operation, a high fan speed provides quick heating/cooling of the room. Once the desired temperature is reached, the fan speed is reduced for stable heating/cooling and greater comfort.

Fan speed setting by remote controller (four levels)

Lo ➡ Mi2 ➡ Mi1 ➡ Hi ➡ Auto

Special setting is required for wireless remote controller.

Quiet Operation

An improved airflow path and powerful high-capacity flow fan contribute to the realisation of quieter operation.

Power flow fan

"Pure White" Colour

Stylish, pure white-coloured panels and wired remote controller present a clean, streamlined image that is a suitable match for any interior.

Other Features

- Stylish indoor-unit vane covers (when unit is turned off)
- Maximum upward draining of 850mm
- Wireless remote controller available
- Duct flange for Fresh-air Intake
- Branch duct

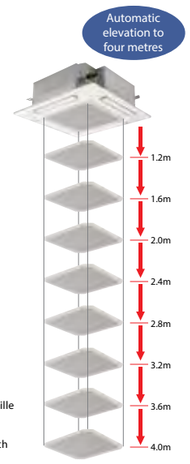
Automatic Grille Lowering Function (Option)

Easy to use/Simple maintenance
An automatic grille lowering function capable of stopping at eight different heights is available to simplify filter maintenance.

Elevating (up-down) controller

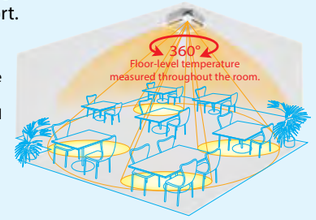
Packaged elevating (up-down) controller in the grille (PLP-6BAJ) can be used when indoor unit connects with PUHZ series and SUZ series.

Wired remote controller (PAR-31MAA) has automatic grille lowering function.
This function is only available when indoor unit connects with PUHZ series.



4-way cassettes can be equipped with the i-see Sensor, a radiation-based sensor that monitors floor-level temperatures throughout the room to ensure room comfort.

i-see Sensor works to ensure even temperature distribution and save energy (requires optional corner panel)

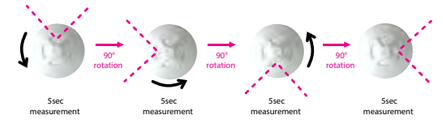


i-see Sensor improves energy efficiency and enhances room comfort (Option)

The i-see Sensor is an innovative Mitsubishi Electric technology that uses a radiation-based sensor to monitor temperature throughout the entire room. When connected to the air conditioner control panel, i-see Sensor works to maximise room comfort through 360° sensing that covers the whole floor space.

■i-see Sensor Operation

The i-see Sensor rotates 90° and takes 5-second measurements to accurately determine floor-level temperatures on all sides of the room.



- The i-see Sensor calculates the temperature by measuring the infrared rays emanating from the walls and floors, and measuring the floor-level temperature.
- The sensor rotates 360° once every two minutes when there is significant temperature disparity and once every five minutes when a stable, even temperature has been reached.

"I Feel" Temperature Control

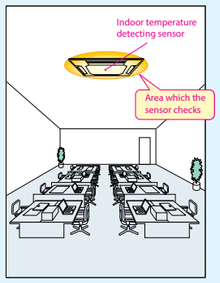
The sensory temperature is calculated by measuring the air-intake temperature and the floor temperature. This technology helps to avoid overcooling or overheating.

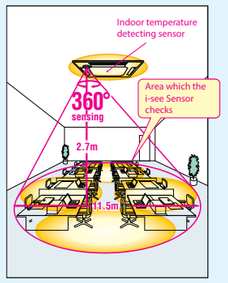
Without i-see Sensor

Only intake-air temperature at the ceiling is measured, resulting in uneven temperature distribution.

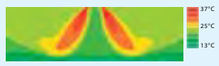
With i-see Sensor

Both floor-level and intake-air temperatures are measured, providing operation that creates a comfortable room environment from ceiling to floor.

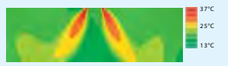




Heating
Set temperature: 23°C
without i-see Sensor



Heating
Set temperature: 20°C
with i-see Sensor + Auto Fan Speed



Specifications: 4-way ceiling-cassette (PLA)													
Indoor unit			PLA-RP60BA		PLA-RP71BA		PLA-RP71BA		PLA-RP100BA		PLA-RP125BA		PLA-RP140BA	
Outdoor unit			SUZ-KA60VAD		SUZ-KA71VAD		PUHZ-RP71VHA5		PUHZ-RP100V/YKA2		PUHZ-RP125V/YKA2		PUHZ-RP140V/YKA2	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	6.1 (2.3-6.3)	6.9 (2.5-8.0)	7.1 (2.8-8.1)	8.0 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	13.0 (6.2-15.3)	16.0 (5.7-18.0)
Input		(kW)	1.78	1.97	2.07	2.19	2.09	2.17	2.50	2.95	3.80	3.71	3.97	4.43
Rated EER/COP			3.43	3.50	3.43	3.65	3.40	3.69	4.00	3.80	3.29	3.77	3.27	3.61
Rated AEER/ACOP			3.36	3.44	3.38	3.60	3.22	3.49	3.67/3.63	3.54/3.50	3.10/3.08	3.56/3.54	3.10/3.08	3.44/3.42
AEER/ACOP (part-load %)											4.13/4.05		3.95/3.89	
Power supply			V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V											
Airflow (Lo-Mi2-Mi1-Hi)		CMM	12-14-16-18		14-16-18-21		14-16-18-21		20-23-26-30		22-25-28-31		24-26-29-32	
		L/S	200-233-267-300		233-267-300-350		233-267-300-350		334-384-434-501		367-417-467-517		400-434-484-534	
Sound pressure level		(dB)	28-29-31-32		28-30-32-34		28-30-32-34		32-34-37-40		34-36-39-41		36-39-42-44	
Dimensions	Height	(mm)	Unit: 258, Panel: 35						Unit: 298, Panel: 35					
	Width	(mm)	Unit: 840, Panel: 950											
	Depth	(mm)	Unit: 840, Panel: 950											
Weight		(kg)	Unit: 23, Panel: 6						Unit: 25, Panel: 6				Unit: 27, Panel: 6	

MEPS compliant at part load
SUZ-KA-VAD is potentially demand response capable unit. DRC-101A is required.

Sound Pressure Level

- Sound pressure measurements were conducted in an anechoic chamber.
- The actual noise level depends on the distance from the unit and the acoustic environment.

Ceiling-concealed

PEAD-RP71/100/125/140JAA

optional

optional

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

Compact Indoor Units

The height of the PEAD (7.1kW-14.0kW) models has been unified to 250mm. Compared to the previous PEA-RP models, the height has been reduced by as much as 178mm, making installation possible in low ceilings with minimal clearance space.

PEA-RP71-140EAQ　　PEAD-RP71-140JAA

Lighter Weight

Compared to the previous PEA-RP·EAQ (7.1kW-14.0kW) models, unit weight has been reduced by an average of 27kg. This significant weight reduction allows for increased ease of installation.

Wide Selection of Fan Speeds and External Static Pressure

Five-stage external static pressure conversions and three fan speed selections are available. Capable of being set to a maximum of 125Pa, units are applicable to a wide range of building types.

High Energy-Saving Efficiency

Compared to the previous PEA-RP·EAQ (7.1kW-14.0kW) models, PEAD-RP models achieve enhanced energy efficiency through adopting a highly efficient DC fan motor. This contributes to a reduction in electricity consumption.

Capacity	Rated EER/COP	Previous PEA-RP	PEAD-RP	
7.1kW	Rated EER	2.86	3.50	22% UP
	Rated COP	3.35	4.00	19% UP
10.0kW	Rated EER	3.28	3.61	10% UP
	Rated COP	3.54	4.12	16% UP
12.5kW	Rated EER	2.95	3.33	13% UP
	Rated COP	3.64	4.00	10% UP
14.0kW	Rated EER	2.90	3.32	14% UP
	Rated COP	3.74	3.96	6% UP

Specifications: Ceiling-concealed (PEAD)											
Indoor unit		PEAD-RP71JAA		PEAD-RP71JAA		PEAD-RP100JAA		PEAD-RP125JAA		PEAD-RP140JAA	
Outdoor unit		SUZ-KA71VAD		PUHZ-RP71VHA5		PUHZ-RP100V/YKA2		PUHZ-RP125V/YKA2		PUHZ-RP140V/YKA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	7.1 (2.8-8.1)	8.0 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (5.5-14.0)	14.0 (5.0-16.0)	13.0 (6.2-15.3)	16.0 (5.7-18.0)
Input	(kW)	2.10	2.04	2.03	2.00	2.77	2.72	3.60	3.50	3.91	4.04
Rated EER/COP		3.38	3.92	3.50	4.00	3.61	4.12	3.33	4.00	3.32	3.96
Rated AEER/ACOP		3.33	3.86	3.31	3.78	3.34/3.31	3.81/3.78	3.14/3.11	3.76/3.74	3.09/3.07	3.76/3.73
AEER/ACOP (part-load %)										3.68/3.63	
Power supply		V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V									
Airflow (Lo-Mid-Hi)	CMM	17.5-21-25				24-29-34		29.5-35.5-42		32-39-46	
	L/S	292-350-417				400-483-567		492-592-700		533-650-767	
External static pressure Pa		35/50/70/100/125									
Sound pressure level	(dB)	30-34-39				33-38-42		36-40-44		40-44-49	
Return air spigot size	(mm)	1,058×210				1,358×210		1,358×210		1,558×210	
Supply air spigot size	(mm)	1,060×178				1,360×178		1,360×178		1,560×178	
Dimensions Height	(mm)	250									
Dimensions Width	(mm)	1,100				1,400				1,600	
Dimensions Depth	(mm)	732									
Weight	(kg)	29				38		39		43	

MEPS compliant at part load
SUZ-KA-VAD is potentially demand response capable unit. DRC-101A is required.

Sound Pressure Level

- Sound pressure measurements were conducted in an anechoic chamber.
- The actual noise level depends on the distance from the unit and the acoustic environment.

Ceiling-concealed

PEA-RP170/200WJA/250WHA

PEA-RP100/125/140GAA

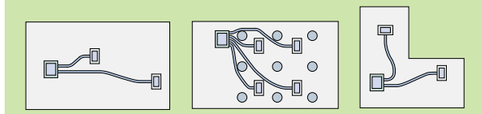
optional

optional

For elegance and style, the PEA series compliments the room environment with aesthetically pleasing ceiling installation and a vast line-up of performance functions.

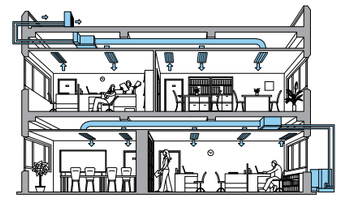
Freedom in Installation

Versatile and easy installation is possible; for example, it is possible to adjust the distance between the air-intake and air-outlet vents to create the optimal airflow configuration.



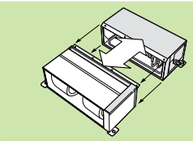
Flexible Duct Design Enables Use of High-pressure Static Fan

A flexible duct design and 150Pa external static high-pressure are incorporated. The increased variation in airflow options ensures operation that best matches virtually all room layouts.



Easier Handling

The new ducted fan coil unit (PEA-RP170/200/250) now has a two-piece construction. This allows separation of the indoor unit heat exchanger and the fan deck assembly for easier handling into the roof space.



Must be reassembled and installed prior to using the system.

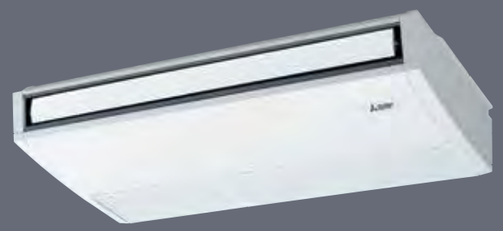
Computerised Dehumidification

The fan speed is controlled electronically in dehumidifying mode, increasing the range and efficiency of dehumidification.

Specifications: Ceiling-concealed (PEA)															
Indoor unit		PEA-RP100GAA		PEA-RP125GAA		PEA-RP140GAA		PEA-RP170WJA		PEA-RP200WJA		PEA-RP250WHA	
Outdoor unit		PUHZ-RP100V/YKA2		PUHZ-RP125V/YKA2		PUHZ-RP140V/YKA2		PUHZ-RP170V/YKA2		PUHZ-RP200YKA2		PUHZ-RP250YKM	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	13.5 (6.2-15.3)	16.0 (5.7-18.0)	16.0 (9.0-20.0)	20.0 (9.5-22.4)	18.9 (9.0-22.4)	22.4 (9.5-25.0)	22.0 (11.2-27.0)	25.0 (12.5-29.0)
Input	(kW)	2.60	2.51	3.97	3.27	4.19	3.90	5.00	6.00	5.92	6.89	6.11	6.89
Rated EER/COP [1]		3.85	4.46	3.15	4.28	3.22	4.10	3.20	3.33	3.19	3.25	3.60	3.62
Rated AEER/ACOP		3.54/3.51	4.11/4.07	2.98/2.96	4.01/3.98	3.06/3.04	3.88/3.86	3.16/3.11	3.22/3.18	3.04	3.12	3.27	3.37
AEER/ACOP (part-load %) [2]				3.69/3.63		3.67/3.61				3.71			
Power supply		V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V											
Airflow (Lo-[Mid]-Hi)	CMM	34-42		50Pa: 48-60, 100Pa: 43-54, 150Pa: 41-52				50-61-72				58-71-84	
	L/S	560-700		50Pa: 800-1,000, 100Pa: 716-900, 150Pa: 683-866				833-1,017-1,200				967-1,183-1,400	
External static pressure Pa		50/100/150						60/75/100/150					
Sound pressure level [3]	(dB)	39-42		42-45				38-41-44				40-43-46	
Return air spigot size	(mm)	1,102×330						1,100×420					
Supply air spigot size	(mm)	921×250						1,100×340					
Dimensions Height	(mm)	400						470					
Dimensions Width	(mm)	1,400						1,370					
Dimensions Depth	(mm)	634						1,120					
Weight	(kg)	63						108					

1 Rated EER/COP for PEA-RP170/200WJA/250WHA are measured at ESP 75 Pa.
2 MEPS compliant at part load
3 Sound pressure level for PEA-RP125/140GAA are measured in anechoic chamber at ESP 50 Pa.
Sound pressure level for PEA-RP170/200WJA/250WHA are measured in anechoic chamber at ESP 150 Pa.

Ceiling-suspended



PCA-RP50/60/71/100/125/140KAQ

optional

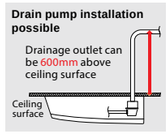
A stylish indoor unit design and airflow settings for both high- and low-ceiling interiors expand installation possibilities

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.

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.

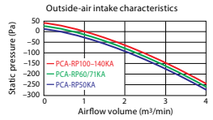


Equipped with Automatic Air-speed Adjustment

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.

Fresh Outside-air Intake

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



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 optimise the breezy sensation felt throughout the room.

Capacity	High ceiling	Standard ceiling	Low ceiling
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

Specifications: Ceiling-suspended (PCA)

Indoor unit			PCA-RP50KAQ		PCA-RP60KAQ		PCA-RP71KAQ		PCA-RP71KAQ		PCA-RP100KAQ		PCA-RP125KAQ		PCA-RP140KAQ	
Outdoor unit			SUZ-KA50VAD		SUZ-KA60VAD		SUZ-KA71VAD		PUHZ-RP71VHA5		PUHZ-RP100V/YKA2		PUHZ-RP125V/YKA2		PUHZ-RP140V/YKA2	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	4.9 (2.3-5.6)	5.5 (1.7-7.2)	5.7 (2.3-6.3)	6.9 (2.5-8.0)	7.1 (2.8-8.1)	7.9 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (5.5-14.0)	14.0 (5.0-16.0)	13.0 (6.2-15.3)	16.0 (5.7-18.0)
Input		(kW)	1.49	1.68	1.67	2.02	2.06	1.96	1.96	2.21	2.63	3.02	3.66	3.88	3.97	4.43
Rated EER/COP			3.29	3.27	3.41	3.42	3.45	4.03	3.62	3.62	3.80	3.71	3.28	3.61	3.27	3.61
Rated AEER/ACOP			3.22	3.22	3.35	3.36	3.39	3.96	3.42	3.44	3.50/3.47	3.46/3.43	3.09/3.07	3.41/3.39	3.10/3.08	3.41/3.39
AEER/ACOP (part-load %)													4.19/4.11		3.91/3.85	
Power supply			V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V													
Airflow (Lo-Mi2-Mi1-Hi)		CMM	10-11-13-15		15-16-17-19		16-17-18-20				22-24-26-28		23-25-27-29		24-26-29-32	
		L/S	167-183-217-250		250-267-283-317		267-283-300-333				367-400-433-467		383-417-450-483		400-433-483-533	
Sound pressure level		(dB)	32-34-37-40		33-35-37-40		35-37-39-41				37-39-41-43		39-41-43-45		41-43-45-48	
Dimensions	Height	(mm)	230													
	Width	(mm)	960		1,280						1,600					
	Depth	(mm)	680													
Weight		(kg)	25		32						36		38		39	

MEPS compliant at part load
SUZ-KA-VAD is potentially demand response capable unit. DRC-101A is required.

Sound Pressure Level
- Sound pressure measurements were conducted in an anechoic chamber.
- The actual noise level depends on the distance from the unit and the acoustic environment.

Wall-mounted

PKA-RP71/100KAL

optional standard

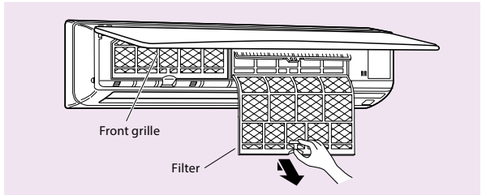
Elegant design and compact dimensions are ideal for offices, stores and residential-use

Auto-flap Shutter

Closing automatically when the air conditioner is not running creating a flat surface that is aesthetically appealing.

Quick Clean Grille

The intake grille filter can easily slide out completely, allowing easy cleaning without any special tools making it easy to clean in minutes, washing in water.



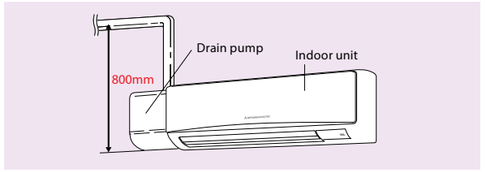
4-way Piping Provides More Flexibility in Selecting Installation Sites

Wired Remote Controller Available (Option)

A separately sold wired remote controller and a terminal block are available to suit various installation sites.

Drain Pump Option Available with All Models

Installation of the drain pump enables a drain outlet as high as 800mm above the base of the indoor unit. Drain water can be discharged easily even if the surface where the wall-mounted unit does not have direct access outside, increasing the degree of freedom for installation.



Specifications: Wall-mounted (PKA)

Indoor unit			PKA-RP71KAL		PKA-RP100KAL	
Outdoor unit			PUHZ-RP71VHA5		PUHZ-RP100V/YKA2	
Function			Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)
Input		(kW)	1.96	2.13	2.90	3.10
Rated EER/COP			3.62	3.76	3.45	3.61
Rated AEER/ACOP			3.42	3.56	3.20/3.17	3.34/3.31
Power supply			V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V			
Airflow (Lo-Mid-Hi)		CMM	18-20-22		20-23-26	
		L/S	300-333-367		333-383-433	
Sound pressure level		(dB)	39-42-45		41-45-49	
Dimensions	Height	(mm)	365			
	Width	(mm)	1,170			
	Depth	(mm)	295			
Weight		(kg)	21			

Sound Pressure Level
- Sound pressure measurements were conducted in an anechoic chamber.
- The actual noise level depends on the distance from the unit and the acoustic environment.

4-way Ceiling Cassette

SLZ-KA25/50VAQ(L)

Compact Bulkhead

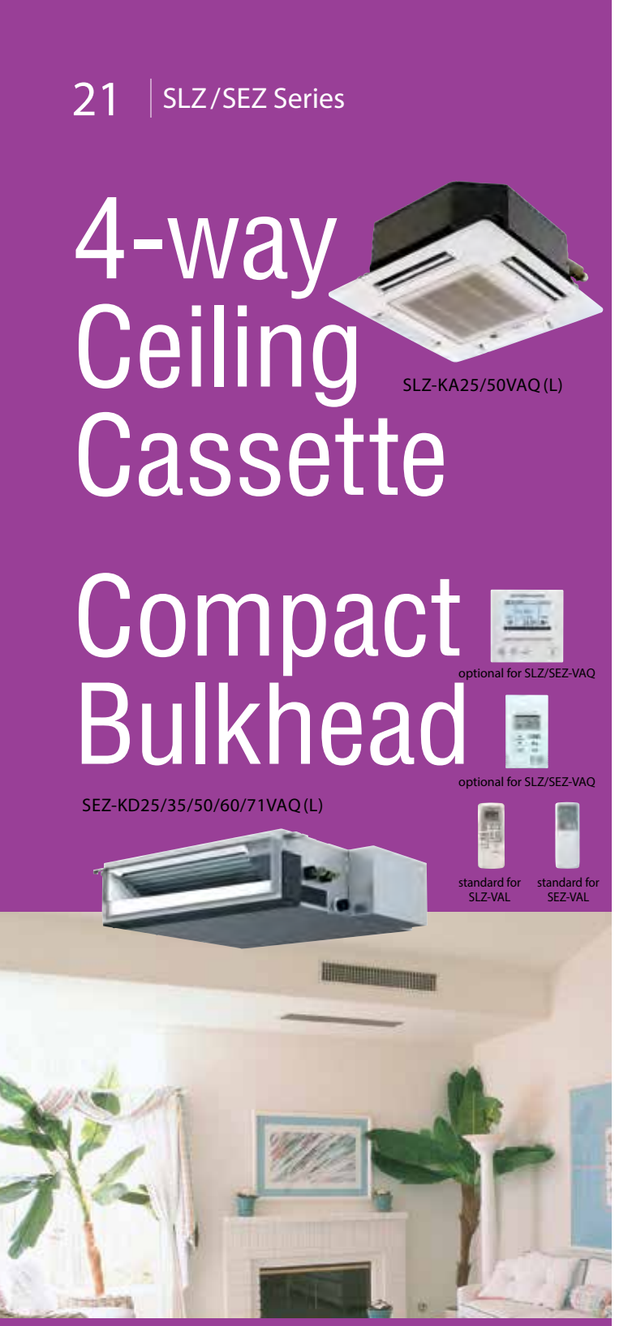
optional for SLZ/SEZ-VAQ

optional for SLZ/SEZ-VAQ

SEZ-KD25/35/50/60/71VAQ(L)

standard for SLZ-VAL

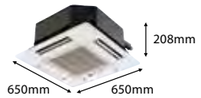
standard for SEZ-VAL



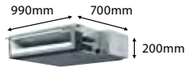
Compact, quiet concealed indoor units equipped with cutting-edge control technologies for enhanced comfort

Compact Designs

Models with capacity ranges for any room size. The dimensions of the SLZ are perfect for 2-metre-square installations, and the SEZ unit is a slim 200mm in height, making it ideal for tight installation spaces.



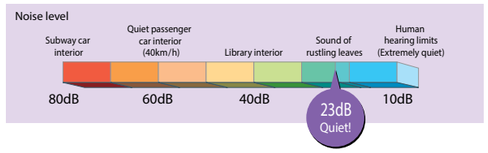
SLZ-KA25/50



SEZ-KD35/50

Impressively Quiet

S series units offer quiet operation at a hushed noise level of 23dB (SEZ-KD25/35), ensuring a calm and comfortable environment. They're so quiet that you may find yourself checking to see if they're on.



Energy-saving Operation

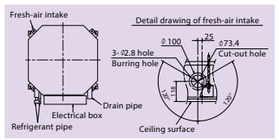
Boasting low electricity consumption, SLZ/SEZ series air conditioners are the key to fresh, cost-effective room comfort.

Air Cleaning Filter

This built-in filter removes dust and other particulates helping to keep the air clean. Maintenance is as simple as vacuuming. The long-life filter in SLZ series air conditioners can be used for approximately 2,500 hours before requiring replacement.

Fresh-air Intake

A duct hole is provided in the main body, making it possible to intake fresh air from outside.



Specifications: 4-way cassette / Compact ceiling-concealed (SLZ, SEZ)															
Indoor unit		SLZ-KA25VAQ(L)		SLZ-KA50VAQ(L)		SEZ-KD25VAQ(L)		SEZ-KD35VAQ(L)		SEZ-KD50VAQ(L)		SEZ-KD60VAQ(L)		SEZ-KD71VAQ(L)	
Outdoor unit		SUZ-KA25VAD		SUZ-KA50VAD		SUZ-KA25VAD		SUZ-KA35VAD		SUZ-KA50VAD		SUZ-KA60VAD		SUZ-KA71VAD	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	2.3 (1.5-3.2)	3.1 (1.3-4.5)	4.2 (2.3-5.2)	4.5 (1.7-6.5)	2.5 (1.5-3.2)	3.0 (1.3-4.5)	3.7 (1.4-3.9)	4.2 (1.7-5.0)	5.1 (2.3-5.6)	6.4 (1.7-7.2)	5.6 (2.3-6.3)	7.4 (2.5-8.0)	6.5 (2.8-8.3)	8.1 (2.6-10.4)
Input	(kW)	0.6	0.82	1.27	1.37	0.75	0.83	1.09	1.13	1.64	1.81	1.77	2.05	2.06	2.18
Rated EER/COP		3.83	3.78	3.31	3.28	3.33	3.61	3.39	3.72	3.11	3.54	3.16	3.61	3.16	3.72
Rated AEER/ACOP		3.65	3.66	3.23	3.22	3.21	3.49	3.31	3.62	3.05	3.48	3.11	3.55	3.10	3.66
AEER/ACOP (part-load %)		4.32								3.72					
Power supply		V: Single-phase, 50Hz, 230V													
Airflow (Lo-Mid-Hi)	CMM	8-9-10		8-9-11		5.5-7-9		7-9-11		10-12.5-15		12-15-18		12-16-20	
	L/S	133-150-167		133-150-183		92-117-150		117-150-183		167-208-250		200-250-300		200-267-333	
External static pressure Pa		—				5/15/35/50									
Sound pressure level	(dB)	28-31-37		30-34-39		23-26-30		23-28-33		30-34-37		30-34-38		30-35-40	
Supply air spigot size	(mm)	—				660×150		860×150				1,060×150			
Dimensions Height	(mm)	Unit: 235, Panel: 20				200		200				200			
Dimensions Width	(mm)	Unit: 570, Panel: 650				790		990				1,190			
Dimensions Depth	(mm)	Unit: 570, Panel: 650				700		700				700			
Weight	(kg)	Unit: 16.5, Panel: 3				18		21		23		27			

MEPS compliant at part load
SUZ-KA-VAD is potentially demand response capable unit. DRC-101A is required.

Sound Pressure Level

- Sound pressure measurements were conducted in an anechoic chamber.
- The actual noise level depends on the distance from the unit and the acoustic environment.

Main features of Mr. Slim Inverter Units

● Standard O Optional — Not Available

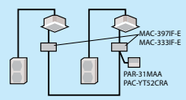
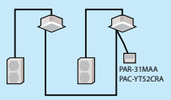
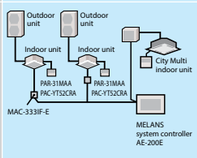
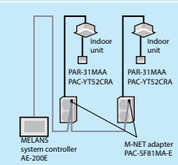
Combination	Indoor unit	SLZ-VAQ	SLZ-VAL	SEZ-VAQ	SEZ-VAL	PLA		PEAD		PEA		PKA	PCA-KAQ	
	Outdoor unit	SUZ	SUZ	SUZ	SUZ	PUHZ *7	SUZ	PUHZ *7	SUZ	PUHZ-KA *7	PUHZ-YKM *7	PUHZ *7	PUHZ *7	SUZ
Energy Saving	Felt Temperature Control (i-see Sensor)	—	—	—	—	O	O	—	—	—	—	—	—	—
	Demand Function	O	O	O	O	●	O	●	O	●	●*4	●	●	O
Attractive	Pure White	●	●	—	—	●	●	—	—	—	—	●	●	●
	Auto Vane	●	●	—	—	●	●	—	—	—	—	●	●	●
Air Quality	Fresh-air Intake	●	●	—	—	●	●	—	—	—	—	—	●	●
	High-efficiency Filter	—	—	—	—	O	O	—	—	—	—	—	O	O
	Oil Mist Filter	—	—	—	—	—	—	—	—	—	—	—	—	—
	Long-life Filter	●	●	—	—	●	●	●	●	—	—	—	●	●
	Filter Check Signal	●	—	—	—	●	●	●	●	—	—	O	●	●
Air Distribution	Horizontal Vane (Auto Swing)	●	●	—	—	●	●	—	—	—	—	●	●	●
	High Ceiling Mode	—	—	—	—	●	●	—	—	—	—	—	●	●
	Low Ceiling Mode	—	—	—	—	●	●	—	—	—	—	—	●	●
	Auto Fan Speed Mode	—	—	●	●	●	●	●	●	—	—	●	●	●
Convenience	On/Off Operation Timer	●	●	●	●	●	●	●	●	●	●*5	●	●	●
	Auto Change Over *1	●	●	●	●	●	●	●	●	●	—	●	●	●
	Auto Restart	●	●	●	●	●	●	●	●	●	●	●	●	●
	Low-temperature Cooling	●	●	●	●	●	●	●	●	●	●	●	●	●
	Low-noise Operation (Outdoor Unit)	—	—	—	—	●	—	●	—	●	●	●	●	—
	Rotation, Back-up and 2nd Stage Cut-in Function	—	—	—	—	O	—	O	—	—	—	O	●	—
System Control	PAR-31MAA Control *2	O	—	O	O	O	O	O	O	O	O	O	O	O
	PAC-YT52CRA Control *2	O	—	O	O	O	O	O	O	O	O	O	O	O
	PAC-ZC40/80H(L)-E Control	—	—	—	—	—	—	O	O	O	O	—	—	—
	System Group Control *2	O	O	O	O	●	O	●	O	●	●	O	●	O
	M-NET Connection *2	O	O	O	O	O	O	O	O	O	●	O	O	O
Installation	Reuse of Existing Wiring	—	—	—	—	O	—	O	—	—	—	O	O	—
	Drain Pump	●	●	O	O	●	●	—	—	—	—	O	O	O
	Pump Down Switch	—	—	—	—	●	—	●	—	●	—	●	●	—
	Flare Connection	●	●	●	●	●	●	●	●	●*3	—	●	●	●
Maintenance	Self-Diagnosis Function (Check Code Display)	●	●	●	●	●	●	●	●	●	●	●	●	●
	Failure Recall Function	●	●	●	●	●	●	●	●	●	●*6	●	●	●

*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 Please refer "System Control" on page 21 for details.
*3 Not available with PEA-RP170/200WJA and PEA-RP250WHA models.
*4 Schedule timer not available
External contact only
*5 Remote controller timer function only
*6 Only error display on remote controller
*7 PUHZ-RP250 is excluded.
PUHZ-RP·VHA5R1-A, PUHZ-RP·V/YKA2R1-A are only demand response capable with the demand function. Please contact Mitsubishi Electric Australia Pty. Ltd. for details.

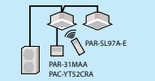
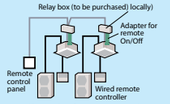
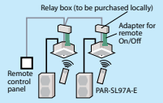
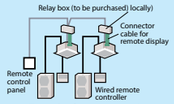
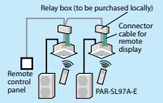
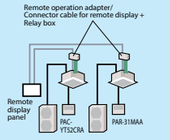
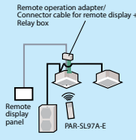
System Controls (SUZ and Mr. Slim Power Inverter only)

Versatile system controls can be realised by using optional parts, relay circuits, control panels, etc.

MAJOR SYSTEM CONTROL

	System Examples		Details	Major Optional Parts Required
Indoor Unit	S Series & P Series Indoor Unit	P Series Indoor Unit		
Outdoor Unit	S Series Outdoor	P Series Outdoor		
A PAR-31MAA Control PAC-YT52CRA Control			Standard equipment (for indoor units compatible with wired remote controllers)	• PAR-31MAA (Wired remote controller) • PAC-YT52CRA (Wired remote controller)
B System Group Control			• One remote controller can control plural air conditioners with the same settings simultaneously. • One remote controller can control up to 16 refrigerant systems. • Up to two remote controller can be connected.	<S Series Outdoor Unit> • MAC-397IF-E/MAC-333IF-E (Interface) • PAR-31MAA (Wired remote controller) • PAC-YT52CRA (Wired remote controller) <P Series Outdoor Unit> • PAR-31MAA (Wired remote controller)
C M-NET Connections			• Group of air conditioners can be controlled by MELANS system controller (M-NET).	<S Series Outdoor Unit> • MAC-333IF-E • MELANS System controller <P Series Outdoor Unit> • PAC-SF83MA-E (M-NET converter) • MELANS System controller

FOR P SERIES AND S SERIES INDOOR UNITS

	System Examples		Details	Major Optional Parts Required
	Wired remote controller	Wireless remote controller		
A 2-remote Controller Control With two remote controllers, control can be performed locally and remotely from two locations.	 * Set "Main" and "Sub" remote controllers. (Example of 1 : 1 system)	 * When using wired and wireless remote controllers (Example of Simultaneous Twin)	• Up to two remote controllers can be connected to one group. • Both wired and wireless remote controllers can be used in combination.	• Wired Remote Controller PAR-31MAA PAC-YT52CRA (for PKA, PAC-SH29TC-E is required) • Wireless Remote Controller PAR-SL97A-E (for SEZ and PLA-RP) • Wireless Remote Controller Kit for PCA PAR-SL94B-E
B Operation Control by Level Signal Air conditioner can be started/ stopped remotely. In addition, On/Off operation by local remote controller can be prohibited/permitted.	 (Example of 1 : 1 system x 2)	 (Example of 1 : 1 system x 2)	• Operation other than On/Off (e.g., adjustment of temperature, fan speed, and airflow) can be performed even when remote controller operation is prohibited. • Timer control is possible with an external timer.	• Adapter for remote On/Off PAC-SE55RA-E • Relay box (to be purchased locally) • Remote control panel (to be purchased locally)
C Operation Control by Pulse Signal	 (Example of 1 : 1 system x 2)	 (Example of 1 : 1 system x 2)	• The pulse signal can be turned On/Off. • Operation/emergency signal can be received at a remote location.	• Connector cable for remote display PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E) • Relay box (to be purchased locally) • Remote control panel (to be purchased locally)
D Remote Display of Operating Status Operating status can be displayed at a remote location.	 (Example of 1 : 1 system)	 (Example of Simultaneous Twin)	• Operation/emergency signal can be received at a remote location (when channeled through the PAC-SF40RM → no-voltage signal, when channeled through the PAC-SA88HA-E DC 12V signal).	• Remote display panel (to be purchased locally) • Connector cable for remote display PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E) • Relay box (to be purchased locally) • Remote operation adapter PAC-SF40RM *Unable to use with wireless remote controller
E Timer Operation Allows On/Off operation with timer *For control by an external timer, refer to B Operation Control by Level Signal.	 (Example of 1 : 1 system)		• Weekly Timer: On/Off and up to 8 pattern temperatures can be set for each calendar day. (Initial setting) • On/Off Timer: On/Off can be set once each within 72hr. in intervals of 5-minute units. • Auto-off Timer: Operation will be switched off after a certain time elapse. Set time can be changed from 30 min. to 4 hr. at 10 min. intervals. *Simple Timer and Auto-off Timer cannot be used at the same time.	Standard functions of PAR-31MAA

Specification: Outdoor Unit

Outdoor unit			 SUZ-KA25VAD	SUZ-KA35VAD	 SUZ-KA50VAD	 SUZ-KA60VAD	SUZ-KA71VAD
External finish			Munsell 3.0Y 7.8/1.1				
Power supply			Single-phase, 50Hz, 230V				
Compressor output		(kW)	0.55	0.65	0.9	0.9	1.2
Airflow (cooling/heating)		CMM (L/S)	34 (568)/32 (534)	33 (551)	49 (817)	58 (960)/49 (816)	57 (950)/48 (800)
Sound pressure level (dB)	Cooling mode		46	47	53	55	
	Heating mode		46	48	55	55	
Sound level		(dB)	59	61	68	69	
Dimensions	Height	(mm)	550		850	880	
	Width	(mm)	800		840	840	
	Depth	(mm)	285		330	330	
Weight		(kg)	30	33	53	50	53
Chargeless piping length		(m)	7				
Max. piping length		(m)	20		30		
Breaker size		(A)	10		20		

*Above specifications are for outdoor units only.

Outdoor unit			 PUHZ-RP71VHA5	 PUHZ-RP100V/YKA2	PUHZ-RP125V/YKA2	PUHZ-RP140V/YKA2
External finish			Munsell 3.0Y 7.8/1.1			
Power supply			V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V			
Compressor output		(kW)	1.6	1.9	2.4	2.9
Airflow (cooling/heating)		CMM (L/S)	60 (1,000)	110 (1,830)	120 (2,000)	
Sound pressure level (dB)	Cooling mode		47	49	50	50
	Silent mode		44	46	47	47
	Heating mode		48	51	52	52
Sound level		(dB)	66	69	70	70
Dimensions	Height	(mm)	943	1,338		
	Width	(mm)	950	1,050		
	Depth	(mm)	330	330		
Weight		(kg)	67	V: 118 Y: 119		V: 120 Y: 121
Chargeless piping length		(m)	30	30		
Max. piping length		(m)	50	75		
Protection device			Discharge thermo, HP switch			
Rated running current (cooling/heating)		(A)	9.05/9.64	V: 12.64/13.58 Y: 4.42/4.75	V: 16.36/16.90 Y: 5.73/5.91	V: 17.17/19.23 Y: 6.01/6.73
Breaker size		(A)	25	V: 32 Y: 16		V: 40 Y: 16

*Above specifications are for outdoor units only.

Sound Pressure Level

- Sound pressure measurements were conducted in an anechoic chamber.
- The actual noise level depends on the distance from the unit and the acoustic environment.

Specifications: Outdoor Unit

Outdoor unit			 PUHZ-RP170V/YKA2	 PUHZ-RP200YKA2	PUHZ-RP250YKM
External finish			Munsell 3.0Y 7.8/1.1	Munsell 3.0Y 7.8/1.1	Munsell 5.0Y 8.0/1.0 or Similar
Power supply			V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V		
Compressor output		(kW)	3.0	3.6	6.9
Airflow (cooling/heating)		CMM (L /S)	140 (2,330)	140 (2,330)	175 (2,917)
Sound pressure level (dB)	Cooling mode		58	58	58
	Silent mode		56	56	48
	Heating mode		59	59	58
Sound level		(dB)	76	76	78
Dimensions	Height	(mm)	1,338	1,338	1,650
	Width	(mm)	1,050	1,050	920
	Depth	(mm)	330	330	740
Weight		(kg)	V: 127 Y: 131	136	199
Chargeless piping length		(m)	30	30	0
Max. piping length		(m)	75	75	75
Protection device			Discharge thermo, HP switch		
Rated running current (cooling/heating)		(A)	V: 19.4/23.9 Y: 6.8/8.3	8.2/9.7	9.7/11.0
Breaker size		(A)	V: 40 Y: 32	32	32

*Above specifications are for outdoor units only.

Notes for All Specifications

Rating conditions (AS/NZS 3823)
Cooling - Indoor: 27°C (80°F) DB, 19°C (66°F) WB
Outdoor: 35°C (95°F) DB
Heating - Indoor: 20°C (68°F) DB
Outdoor: 7°C (45°F) DB, 6°C (43°F) WB
Refrigerant piping length (one-way): 5m (16ft.)
For PUHZ-RP250YKM: 7.5m (24ft.)

Total input based on the indicated voltage (indoor/outdoor)

	Indoor	Outdoor
50Hz	Single-phase, 230V	Single-phase, 230V/Three-phase, 400V

Guaranteed Operating Range

		SUZ-KA			PUHZ	
		25/35	50	60/71	71/100/125/140/170/200	250
Cooling	Upper limit (DB)	46°C	43°C	46°C	46°C	46°C
	Lower limit (DB)	–10°C	–15°C	–15°C	–5°C (–15°C ✻)	–5°C
Heating	Upper limit (DB)	24°C	24°C	24°C	21°C	15.5°C (WB)
	Lower limit (DB)	–15°C	–15°C	–15°C	–20°C	–20°C (WB)

✻ With the optional air protection guide, the operation at –15°C outdoor temperature is possible.

Sound Pressure Level

• Sound pressure measurements were conducted in an anechoic chamber.
• The actual noise level depends on the distance from the unit and the acoustic environment.

Optional Parts

Part name	Model name	Application name
Air discharge guide	PAC-SG59SG-E	PUHZ-RP71
	PAC-SH96SG-E	PUHZ-RP100/125/140/170/200
Air outlet shutter plate	PAC-SH51SP-E	PLA-RP
Air protection guide	PAC-SH63AG-E	PUHZ-RP71
	PAC-SH95AG-E	PUHZ-RP100/125/140/170/200
Control/service tool	PAC-SK52ST	PUHZ-RP71/100/125/140/170/200
Centralized drain pan	PAC-SG64DP-E	PUHZ-RP71
	PAC-SH97DP-E	PUHZ-RP100/125/140/170/200
Drain pump	PAC-SH94DM-E	PKA-RP
	PAC-SH83DM-E	PCA-RP50KAQ
	PAC-SH84DM-E	PCA-RP71/100/125/140KAQ
	PAC-SH85DM-E	PCA-RP60KAQ
	PAC-KE07DM-E	SEZ-KD
Drain socket	PAC-SG61DS-E	PUHZ-RP71/100/125/140/170/200
Flange for fresh-air intake	PAC-SH65OF-E	PLA-RP
Liquid refrigerant dryer for pipe ø9.52	PAC-SG82DR-E	PUHZ-RP
Wi-Fi interface	MAC-558IF-E	All indoor units (excluding PEA-RP250WHA)
MA & Contact terminal interface	MAC-397IF-E	SLZ-KA, SEZ-KD, PLA-RP60/71*1 PEAD-RP71*1, PCA-RP50/60/71*1
M-NET interface	MAC-399IF-E	SLZ-KA, SEZ-KD, PLA-RP60/71*1 PEAD-RP71*1, PCA-RP50/60/71*1
M-NET &Terminal interface	MAC-333IF-E	SLZ-KA, SEZ-KD, PLA-RP60/71*1 PEAD-RP71*1, PCA-RP50/60/71*1
Wireless remote controller	PAR-FL32MA-E	PEAD-RP, PEA-RP
Wireless remote controller signal sender	PAR-SL97A-E	SEZ-KD, PLA-RP
Wireless remote controller signal receiver	PAR-SA9CA-E	SEZ-KD, PEAD-RP, PEA-RP
	PAR-SA9FA-E	PLA-RP
High efficiency filter	PAC-SH88KF-E	PCA-RP50KAQ
	PAC-SH89KF-E	PCA-RP60/71KAQ
	PAC-SH90KF-E	PCA-RP100/125/140KAQ
High efficiency filter element	PAC-SH59KF-E	PLA-RP

Part name	Model name	Application name
Filter box	PAC-KE93TB-E	PEAD-RP71
	PAC-KE94TB-E	PEAD-RP100/125
	PAC-KE95TB-E	PEAD-RP140
i-see sensor corner panel	PAC-SA1ME-E	PLA-RP
Shutter plate	PAC-SH51SP-E	PLA-RP
Joint pipe 9.52 →12.7	PAC-SG73RJ-E	PUHZ-RP71/100/125/140/170/200
15.88 →19.05	PAC-SG75RJ-E	PUHZ-RP71/100/125/140
M-NET converter	PAC-SF83MA-E	PUHZ-RP71/100/125/140/170/200
Multi-function casement	PAC-SH53TM-E	PLA-RP
Power supply terminal kit	PAC-SG94HR-E	PKA-RP
	PAC-SG96HR-E	PCA-RP50/60/71/100/125/140KAQ
	PAC-SG97HR-E	PEAD-RP, PEA-RP
	PAC-SH52HR-E	PLA-RP
Remote On/Off adaptor	PAC-SE55RA-E	All indoor units
Remote operation adaptor	PAC-SF40RM-E	All indoor units*2 (excluding PKA-RP)
Remote sensor	PAC-SE41TS-E	All indoor units (excluding PEA-RP·GAA)
Space panel	PAC-SH48AS-E	PLA-RP
Terminal block	PAC-SH29TC-E	PKA-RP for wired remote controller
Connector cable for remote display	PAC-SA88HA-E	All indoor units
Wired remote controller	PAR-31MAA	All indoor units (excluding SLZ-VAL and SEZ-VAL)
	PAC-YT52CRA	All indoor units (excluding SLZ-VAL and SEZ-VAL)
Zone controller (Interface & remote controller)	PAC-ZC40H-E	PEAD-RP, PEA-RP
	PAC-ZC80H-E	
	PAC-ZC40L-E	
	PAC-ZC80L-E	
Zone remote controller	PAC-ZC01M-E	PEAD-RP, PEA-RP
Wireless remote controller kit (Sender & Receiver)	PAR-SL94B-E	PCA-RP
Power supply unit	PAC-SC50KUA	All outdoor units
Multiple remote controller adaptor	PAC-725AD	All indoor units
Interface for DRED	DRC-101A	SUZ-KA·VAD

*1 P series indoor units can be used in combination with SUZ outdoor units.
*2 Unable to use with wireless remote controller

Refrigerant Piping

Capacity	Between indoor & outdoor units		Pipe size OD (mm)	Thickness (mm)
	Max. height difference (m)	Max. piping length (m)		
SUZ-KA25	12	20	Liquid: ø6.35	t 0.8
			Gas: ø9.52	t 0.8
SUZ-KA35	12	20	Liquid: ø6.35	t 0.8
			Gas: ø9.52	t 0.8
SUZ-KA50	30	30	Liquid: ø6.35	t 0.8
			Gas: ø12.7	t 0.8
SUZ-KA60	30	30	Liquid: ø6.35	t 0.8
			Gas: ø15.88	t 1.0
SUZ-KA71	30	30	Liquid: ø9.52	t 0.8
			Gas: ø15.88	t 1.0
PUHZ-RP71	30	50	Liquid: ø9.52	t 0.8
			Gas: ø15.88	t 1.0
PUHZ-RP100/125/140	30	75	Liquid: ø9.52	t 0.8
			Gas: ø15.88	t 1.0
PUHZ-RP170/200	30	75	Liquid: ø9.52	t 0.8
			Gas: ø25.4	t 1.0
PUHZ-RP250	30	75	Liquid: ø9.52	t 0.8
			Gas: ø22.2	t 1.0

Amount of Necessary Refrigerant (R410A: kg)

Piping length	Factory charged	Additional charged					Calculation
	7m	10m	15m	20m	25m	30m	
SUZ-KA25	0.8	0.15	0.3	0.45	—	—	Xg=30g/m×(length-5)m
SUZ-KA35	1.05	0.15	0.3	0.45	—	—	
SUZ-KA50	1.6	0.06	0.16	0.26	0.36	0.46	Xg=20g/m×(length-7)m
SUZ-KA60	1.8	0.06	0.16	0.26	0.36	0.46	
SUZ-KA71	1.8	0.165	0.44	0.715	0.99	1.265	Xg=55g/m×(length-7)m

Piping length	Factory charged	Additional charged			
	10 - 30m	31 - 40m	41 - 50m	51 - 60m	61 - 75m
PUHZ-RP71	3.5	0.6	1.2	—	—
PUHZ-RP100/125/140	5.5	0.6	1.2	1.8	2.4

Piping length	Factory charged	Additional charged			
	10 - 30m	31 - 40m	41 - 50m	51 - 60m	61 - 70m
PUHZ-RP170/200	7.7	0.9	1.8	2.7	3.6

In the Case of PUHZ-RP250YKM

Calculation of additional refrigerant charge

- Calculate the amount of additional charge based on the length of the piping extension and the size of the refrigerant line.
- Use the table below as a guide to calculating the amount of additional charging and charge the system accordingly.
- If the calculation results in a fraction of less than 0.1 kg, round up to the next 0.1 kg.
  For example, if the result of the calculation was 11.38 kg, round the result up to 11.4 kg.

<Additional Charge>

Additional refrigerant charge	=	Liquid pipe size Total length of ø9.52×0.06	+ 3.0 kg
(kg)		(m)×0.06 (kg/m)	

Factory Charge: 9 kg

⚠ NOTICE

* Air conditioners in this brochure contain and operate with refrigerant R410A and synthetic oils.
  Before attempting any installation work you must read the installation instructions.
  New tools, materials and procedures are required to install these products.
  Under Australian Law, only persons suitably licensed are permitted to install and service air conditioning units. The buyer must ensure that the person and/or company who is install, service or repair the air conditioner has the necessary licences, qualifications and experience to perform the work. Suitable access for warranty and service is required. Refer to conditions of warranty on the Mitsubishi Electric website. For future improvement, specifications, designs of product and availability are subject to change without notice.
  Refer to Country, Commonwealth, State or Territory legislation, regulations and industry codes of practice, before installation of these products.
  Recovery and disposal of waste material must comply with Country, Commonwealth, State or Territory guidelines.
* 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.
* When installing or relocating or servicing the air conditioners, use only the specified refrigerant (R410A) 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 or system malfunction or unit breakdown. In the worst case, this may lead to a serious impediment to securing product safety.
* Specifications, designs and other content appearing in this brochure are current as at January 2015 and are subject to change without notice. Diagrams are representations for illustrative purposes only.

Warm, even heat in winter and cool, comfort in summer is only a phone call or click away.

Simply contact your nearest Mitsubishi Electric Specialist today and you can find out all there is to know about how to enhance your living environment. Our specialists are fully qualified to give you all the right advice on which Mitsubishi Electric Air Conditioning System is right for you.

To locate your nearest Mitsubishi Electric Specialist go to our website
www.MitsubishiElectric.com.au

They will determine whether a Compact Inverter System or a Power Inverter System best suits your needs, both in comfort and efficiency. You can either visit one of our Specialist's Showrooms, or they will happily arrange for one of their Consultants to come to your home.

All Mitsubishi Electric Compact and Power Inverter Systems are MEPS (Minimum Energy Performance Standards) Compliant, so you can be sure that they will give you the performance and efficiency that they were designed to deliver.

MITSUBISHI ELECTRIC

www.MitsubishiElectric.com.au
1300 722 228

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MITSUBISHI ELECTRIC

Multi Split Systems

Why Choose Mitsubishi Electric?

Whether it's consistent heating and cooling for the home or office, Mitsubishi Electric offers you state-of-the art technology that is quiet, simple to use, reliable and above all energy efficient.

Mitsubishi Electric Inverter Multi-Split Systems fulfill the air conditioning needs of up to 8 rooms with a single outdoor unit. Perfect for apartments and two-storey homes.

MITSUBISHI ELECTRIC

Space Savings

The Mitsubishi Electric Inverter Multi-split System is designed to allow several indoor units to be connected to a single outdoor unit. This enhances exterior aesthetics by reducing the number of outdoor units necessary, while also providing an easy and economical way of adding indoor units at any time.

Flexible Choice

Offering the ability to select up to 8 indoor units for a single outdoor unit, with the cooling capacities of outdoor units ranging from 5.2 to 15.5kW and an array of different models to suit specific applications. You will be hard pressed to find a better match for your building dimensions and comfort requirements.

Quiet Control

Comfort without the noise, based on smooth operation and innovative features such as automatic selection of low-noise mode when operation load is low. Choose a wall-mounted model to create a comfortable space where noise levels are at a level where soothing peace and quiet can be enjoyed.

Economical Operation

Efficient operation is achieved through heating/cooling only the desired space, cutting waste by preventing air conditioning of areas where it's not needed. Using an individual air conditioner for each required space allows more economical performance. Combining this concept with the latest innovative inverter technologies, we are able to offer industry-leading levels of energy-efficient operation for both heating and cooling.

Contents

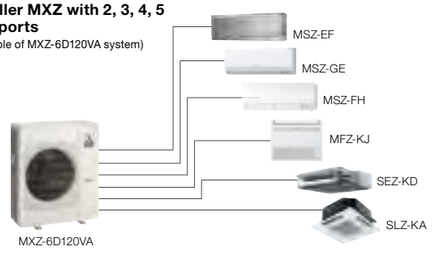
Comfortable and Energy-efficient

MXZ-6D120VA

An Ideal Match for Apartments

The air conditioning needs of an entire house or apartment (up to 6 rooms) can be met with one compact single-fan outdoor unit.

Smaller MXZ with 2, 3, 4, 5 or 6 ports
(example of MXZ-6D120VA system)



Smaller MXZ with 2, 3, 4, 5 or 6 ports
(example of MXZ-6D120VA system)

Optimum Comfort for up to 6 rooms with a Single Outdoor Unit

In addition to fitting into the same installation space as the MXZ-4C80 and MXZ-5D100 outdoor units, this powerful unit can manage the cooling/heating requirements of up to 6 rooms. The utilisation of a single fan has reduced constraints related to unit height as well. An improved cooling capacity of up to 13.5kW (MAX) makes it possible to accommodate diverse installation requests.

Significant Energy Savings

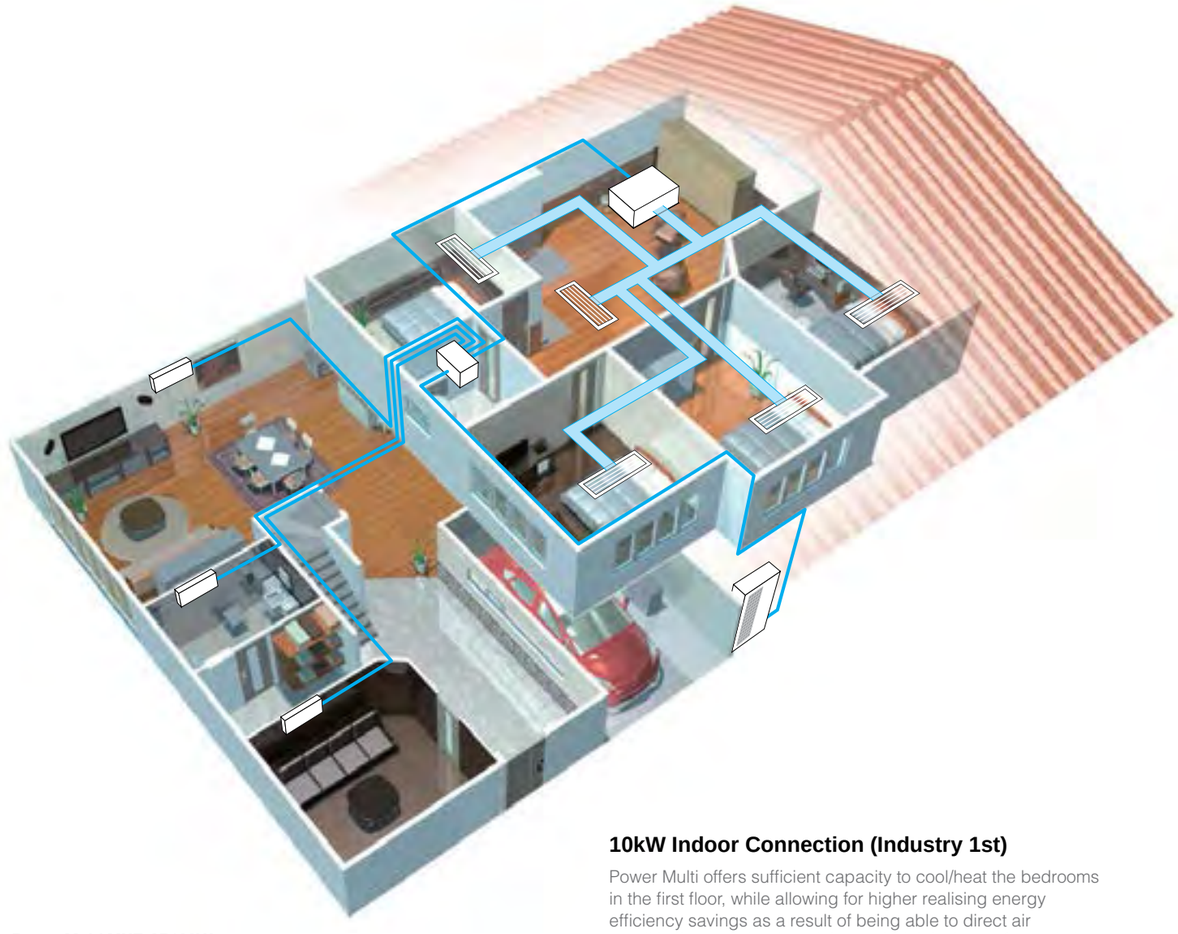
Cutting-edge inverter technologies achieve an impressively high Annual Energy Efficiency Ratio (AEER) of 3.18 and Annual Coefficient of Performance (ACOP) of 3.45.

A single outdoor unit for up to 8 rooms

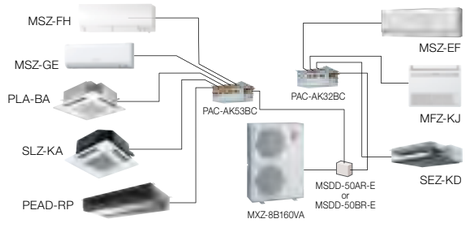
MXZ-8B160VA

Mitsubishi Electric's best Solution for Two Storey Homes

Powerful yet quiet, the new Power Multi is specially designed for use in typical Australian houses. Connecting with a 10kW indoor unit allows you to create an ideal environment in first floor, while you can stop operation in ground floor.
Cool & heat in only necessary space to make your life much smarter than ever.



Power Multi MXZ-8B160VA



Power Multi MXZ-8B160VA

10kW Indoor Connection (Industry 1st)

Power Multi offers sufficient capacity to cool/heat the bedrooms in the first floor, while allowing for higher realising energy efficiency savings as a result of being able to direct air conditioning to only where it is needed. It is the perfect solution for the comfort needs in typical Australian houses.

Significant Energy Savings

The Power Multi System is equipped with Mitsubishi Electric's cutting-edge inverter technologies, achieving an impressively high Annual Energy Efficiency Ratio (AEER) of 3.06 and Annual Coefficient of Performance (ACOP) of 3.45.

*Only PLA-RP100BA and PEAD-RP100JAA

Inverter Technologies

Mitsubishi Electric inverters ensure superior performance including the optimum control of operation frequency. As a result, optimum power is applied in all cooling/heating ranges and maximum comfort is achieved while being energy efficient.
That's the Mitsubishi Electric promise.

Inverters - How do they work?

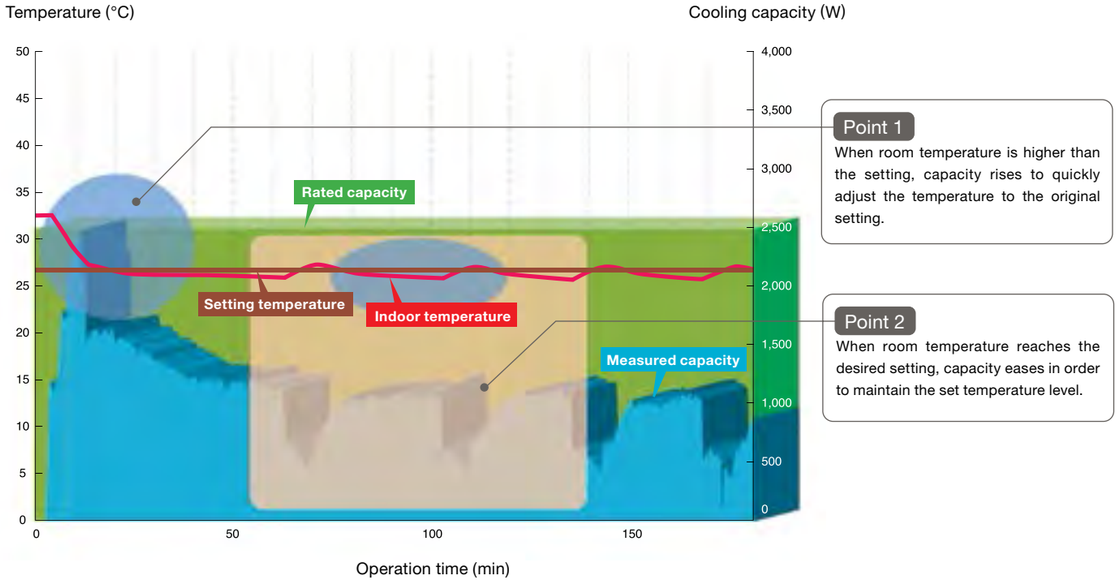
Inverters electronically control the electrical voltage, current and frequency of electrical devices such as the compressor motor in an air conditioner. They receive information from sensors monitoring operating conditions, and adjust the revolution speed of the compressor, which directly regulates air conditioner output. Optimum control of operation frequency results in energy efficiency 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 cooling/heating performance efficiency. Better performance and energy efficiency are the result.

True Comfort

Simple comparison of air conditioner operation control with and without an inverter.



Point 1: Quick and Powerful

Increasing the compressor motor speed by controlling the operation frequency ensures powerful output at start-up and 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.

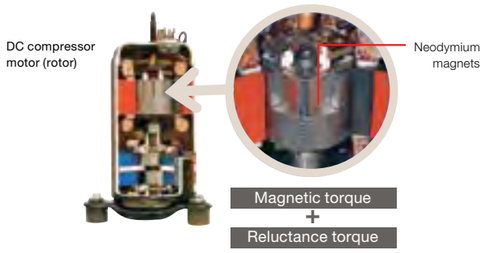
Point 2: Room Temperature Maintenance

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.

MORE ADVANTAGES WITH MITSUBISHI ELECTRIC

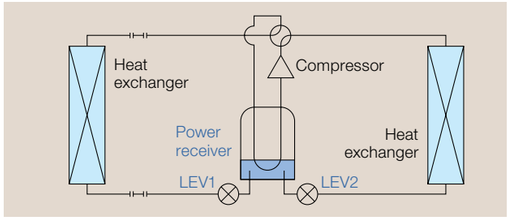
Reluctance DC Rotary Compressor

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.



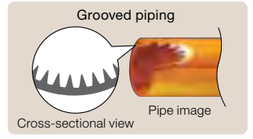
Power Receiver and Twin LEV Control

Mitsubishi Electric has developed a power receiver and twin linear expansion valves (LEV) 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.



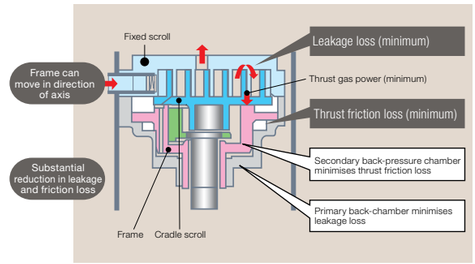
Grooved Piping

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



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.

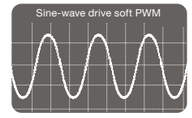


Vector Wave ECO Inverter

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

Smooth wave pattern

Inverter size has been reduced using insert-molding, 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.



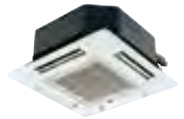
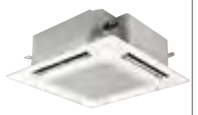
DC Fan Motor

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

Selection

STEP 1	SELECT INDOOR UNITS

Select the indoor unit to be installed in each room.

Wall-mounted	Floor-standing	4-way ceiling cassette	Ceiling suspended	Ceiling concealed
 MSZ-FH  MSZ-EF  MSZ-GE  MSZ-GE	 MFZ-KJ*	 SLZ-KA  PLA-RP	 PCA-KA	 PEAD-RP  SEZ-KD

* When MFZ-KJ indoor unit(s) is connected to MXZ, please refer to the note on page 31.

STEP 2	SELECT OUTDOOR UNITS

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

2-port Connect up to 2 indoor units	3-port Connect up to 3 indoor units	4-port Connect up to 4 indoor units	8-port Connect up to 8 indoor units*
 MXZ-2D52VA	 MXZ-3D54VA	 MXZ-4D71VA	 Outdoor Unit MXZ-8B140VA MXZ-8B160VA
5-port Connect up to 5 indoor units	**6-port** Connect up to 6 indoor units	 MXZ-4D80VA	  Branch Boxes PAC-AK32BC PAC-AK53BC
 MXZ-5D100VA	 MXZ-2D120VA		

* Connection to indoor units requires an appropriate branch box (distribution piping is required when connecting two branch boxes).

STEP 3	CHECK SYSTEM COMPATABILITY

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

CHECK INDOOR UNITS	CHECK INDOOR UNITS CAPACITY COMBINATION
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.)	Refer to the Combination Table on the website 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.

Indoor Unit Compatibility

SELECT FROM A WIDE RANGE OF STYLISH INDOOR UNITS

For an attractive installation and optimum use of indoor space, choose the system that best matches your needs from 35 models of 5 types including wall-mounted, floor-standing, ceiling-concealed, 4-way ceiling-cassette and ceiling-suspended units.

Refer to the following table to check if an indoor unit can be used with an outdoor unit. Combinations not listed in the table cannot be used.

Indoor Unit / Outdoor Unit			MXZ-							
			2D52VA	3D54VA	4D71VA	4D80VA	5D100VA	6D120VA	8B140VA	8B160VA
M SERIES	Wall-mounted	MSZ-FH25VA	√	√	√	√	√	√	√	√
		MSZ-FH35VA	√	√	√	√	√	√	√	√
		MSZ-FH50VA		√	√	√	√	√	√	√
		MSZ-EF22VE	√	√	√	√	√	√	√	√
		MSZ-EF25VE	√	√	√	√	√	√	√	√
		MSZ-EF35VE	√	√	√	√	√	√	√	√
		MSZ-EF42VE	√	√	√	√	√	√	√	√
		MSZ-EF50VE	√	√	√	√	√	√	√	√
		MSZ-GE22VAD	√	√	√	√	√	√	√	√
		MSZ-GE25VAD	√	√	√	√	√	√	√	√
		MSZ-GE35VAD	√	√	√	√	√	√	√	√
		MSZ-GE42VAD	√	√	√	√	√	√	√	√
		MSZ-GE50VAD	√	√	√	√	√	√	√	√
		MSZ-GE60VAD			√	√	√	√	√	√
		MSZ-GE71VAD				√	√	√	√	√
		MSZ-GE80VAD						√	√	√
	Floor-standing	MFZ-KJ25VE	√ *	√ *	√ *	√ *	√ *	√ *	√ *	√ *
		MFZ-KJ35VE	√ *	√ *	√ *	√ *	√ *	√ *	√ *	√ *
		MFZ-KJ50VE		√ *	√ *	√ *	√ *	√ *	√ *	√ *
S SERIES	4-way Cassette	SLZ-KA25VAQ(L)	√	√	√	√	√	√	√	√
		SLZ-KA35VAQ(L)	√	√	√	√	√	√	√	√
		SLZ-KA50VAQ(L)		√	√	√	√	√	√	√
	Ceiling-concealed	SEZ-KD25VAQ(L)	√	√	√	√	√	√	√	√
		SEZ-KD35VAQ(L)	√	√	√	√	√	√	√	√
		SEZ-KD50VAQ(L)		√	√	√	√	√	√	√
		SEZ-KD60VAQ(L)			√	√	√	√	√	√
		SEZ-KD71VAQ(L)				√	√	√	√	√
P SERIES	4-way Cassette	PLA-RP60BA			√	√	√	√	√	√
		PLA-RP71BA				√	√	√	√	√
		PLA-RP100BA							√	√
	Ceiling-suspended	PCA-RP50KAQ		√	√	√	√	√		
		PCA-RP60KAQ			√	√	√	√		
		PCA-RP71KAQ				√	√	√		
	Ceiling-concealed	PEAD-RP71JAA				√	√	√	√	√
		PEAD-RP100JAA							√	√

*When MFZ-KJ indoor unit(s) is connected to MXZ, please refer to the note on page 31.

Indoor Unit Line-Up

MSZ-FH Series

- Quiet 20dB noise level (FH25)
- Plasma Duo Filter (FH25/35/50)
- 3D i-See Sensor
- Quick Clean body

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
-	✓	✓	-	✓	-	-	-	-

MSZ-EF Series

Developed to complement modern interior room décor, MSZ-EF Series air conditioners are available in three colours specially chosen to blend in naturally wherever installed. The streamlined wall-mount indoor units have eloquent silver-bevelled edges, expressing sophistication and quality. Elegant, quiet and powerful, these air conditioners are the ideal answer, providing the best match scenario for interior design and maximum room comfort.

- Built-in Weekly Timer
- Appealing design matches any room décor
- Nano Platinum Filter
- Quiet 21dB noise level in 'Quiet Mode' (EF22/25/35)

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
-	✓	✓	-	✓	-	-	-	-

MSZ-GE Series

- Quiet 19dB noise level (GE22/25/35)
- Nano Platinum Filter (GE60/71/80)
- Built-in Weekly Timer (GE60/71/80)
- Quick Clean body
- Catechin Filter (GE22-50)

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
-	✓	✓	✓	✓	✓	✓	✓	-

MFZ-KJ Series

- Simple & Flat design
- Nano Platinum Filter
- Built-in Weekly Timer
- Built-in installation capability
- Multi-flow Vane (optimum air distribution)
- Trouble-free installation & maintenance

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
-	✓	✓	-	✓	✓*	-	-	-

*Single use only

SLZ Series

- Fresh-air intake
- Unit height of only 235mm
- Compact 2'×2' size for ceiling installation

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
-	✓	✓	-	✓	-	-	-	-

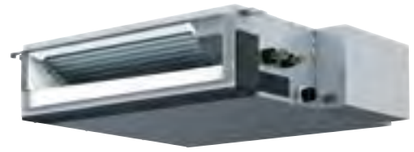
PLA Series

- 72 airflow patterns
- Fresh-air intake
- 3D i-See Sensor (optimal corner panel)
- High/Low ceiling modes

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
-	-	-	-	-	✓	✓	-	✓

INDUSTRY 1ST
10.0kW Indoor Connection

SEZ Series



- Compact Design
- Unit Height of only 200mm
- Three fan speeds and four static pressure levels

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
-	✓	✓	-	✓	✓	✓	-	-

PEAD Series

- Compact
- Lighter weight
- 30dB noise level in 'Low Mode' (71)

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
-	-	-	-	✓	-	✓	-	✓

INDUSTRY 1ST
10.0kW Indoor Connection

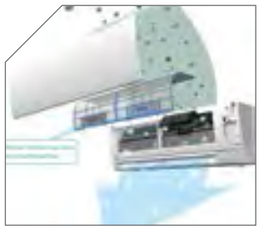
PCA-KA Series

- Stylsh unit design
- 32dB noise level
- Fresh-air intake
- High/Low ceiling modes

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
-	-	-	-	✓	✓	✓	-	-

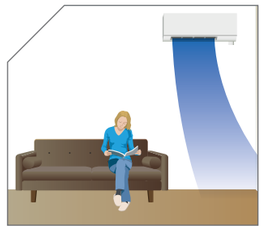
FH Series

The new FH series is the culmination of our air-cleaning, motion-sensor and airflow technologies and represent our efforts to create an air conditioner that put No.1 Priority on healthy living.



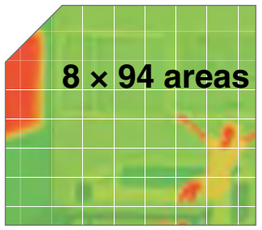
Plasma Filter

The Plasma Filter System is an advanced, multi-stage filtration system designed to effectively neutralise contaminants such as allergens, viruses and bacteria ensuring the circulation of fresh, clean air back into the room.



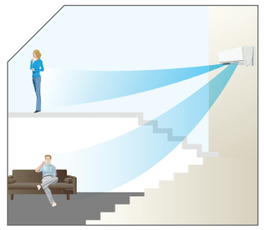
Indirect / Direct Airflow

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.



3D i-See Sensor

The FH 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.



Dual Split Vane Technology

The unique dual split vane design allows airflow to be customised to suit different areas of the room, by independently directing air upwards, downwards or to the side.

FH SERIES FEATURES

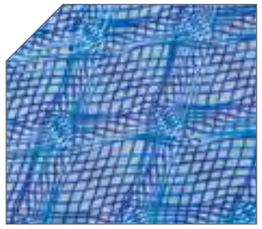
- Absence Detection
- Econo Cool
- Auto Vane
- Anti-Mould Filter
- Pure White
- Compact
- 24 Hour Timer
- Auto Restart
- Quick Clean
- Weekly Timer
- Natural Flow
- Operating Temperature
  Cooling at -10°C ~ -46°C
  Heating at -15°C ~ 24°C
- Vertical & Horizontal Swing
- Auto Change Over
- 3D i-See Sensor
- Direct/InDirect Airflow

EF Series

The Streamlined wall-mounted indoor units have eloquent beveled edges, expressing sophistication and quality. Available in 3 stylish colours classic white, matte silver and glossy black to provide the best match scenario for diverse interior designs while simultaneously ensuring maximum room and energy savings.

Stylish Design

Developed to complement modern interior room decor, MSZ-EF Series is available in three colours glossy black, matte silver and classic white. Specially chosen to blend in naturally wherever installed.



Platinum Filter

The Nano Platinum Deodorising Filter reduces airborne bacteria while improving air quality. The optional Electro Static Anti-Allergy Enzyme Filter effectively combats common allergens.

Quiet Comfort All Day

Mitsubishi Electric's advanced "Quiet Mode" fan speed setting provides super-quiet operation as low as 21dB for 25/ 35 models. This unique feature makes the MSZ-EF series ideal for use a tranquil environment.

Wi-Fi Control

Unlock the door to smarter cooling and heating for total home comfort. You can control and monitor your air conditioner from anywhere anytime via your smartphone, tablet or online account.
Additional adapter MAC-558IF-E required per unit.

EF SERIES FEATURES

- Econo Cool
- Nano Platinum Filter
- Auto Restart
- Electrostatic Anti-Allergy Enzyme Filter
- 24 Hour Timer
- Weekly Timer
- Operating Temperature
  Heating at -15°C ~ 24°C
  Cooling at -10°C ~ -46°C
- Self Diagnosis
- Auto Change Over

GE Series

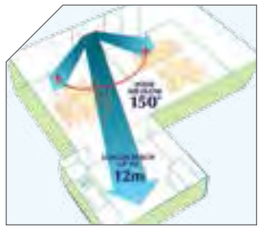
The MSZ-GE units provide excellent energy-savings and operation is impressively quiet. A vast series line-up is ready to ensure comfortable room environments in response to your air conditioning needs.

Quiet Operation

A “Quiet Mode” setting has been added to the fan speed settings, ensuring super quiet operation below 19dB for model sizes 35 and under. Perfect for the bedroom; it’s so quiet you’ll check to see if it’s on. (models 25/35)

Wi-Fi Control

Unlock the door to smarter cooling and heating for total home comfort. You can control and monitor your air conditioner from anywhere anytime via your smartphone, tablet or online account.
Additional adapter MAC-558IF-E required per unit.



Wide & Long Airflow

The wide and long airflow modes allow the airflow direction to be adjusted, ensuring every corner of the room is comfortable. These modes are simply activated at the touch of a button on your remote controller. The long mode extends airflow by 12m to reach even the furthest point of large living rooms or enables kitchens to be reached in an open plan environment. (models 60/71/80)

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 to immediately return to the previous temperature setting. Using this function contributes to energy savings when, for example, leaving the room or going to bed.

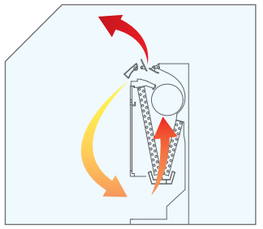
GE SERIES FEATURES

- Potentially Demand Response Capable
- Econo Cool
- Nano Platinum Filter
- Electrostatic Anti-Allergy Filter
- Auto Vane
- Vertical Swing
- Horizontal Swing
- Wide, Long & Powerful
- Pure White
- Auto Change Over
- Auto Restart
- Only 19dB (models 22/25/35)
- 24 Hour Timer
- Weekly Timer 60/70/80
- Self Diagnosis
- Operating Temperature Cooling at -10°C ~ -46°C Heating at -15°C ~ 24°C

MFZ Series

FLOOR STANDING UNIT

High Capacity, Simple, Flat Design in Harmony with Living Spaces Raise the value of your room to the next level.



Rapid Heating Technology

MFZ Series ensures the perfect room temperature is reached faster with Rapid Heating Technology. Warm air is blown out in a downward direction and then sucked back into the unit to quickly raise the temperature of the air being blown out.

Slim, Sophisticated Design

Floor Consoles feature a new contemporary sleek design with linear beauty, harmonized with all types of interiors.

Multi Flow Vane

A Powerful blower provides optimum distribution of air from the upper and lower air outlets. The result is a comfortable environment with an even temperature throughout the room. Three uniquely shaped vanes control the airflow and allow the freedom to customize comfort according to preferences.

Wi-Fi Control

Unlock the door to smarter cooling and heating for total home comfort. You can control and monitor your air conditioner from anywhere anytime via your smartphone, tablet or online account.
Additional adapter MAC-558IF-E required per unit.

MFZ SERIES FEATURES

- Only 19dB (KJ 25/35)
- Econo Cool
- Anti-Allergy Enzyme (Standard Filter)
- Horizontal Auto Vane
- Horizontal Swing
- Pure White
- Built-In Weekly Timer
- 24 Hour Timer
- Auto Restart
- Cooling at -10°C~46°C
- Heating at -15°C~24°C
- Self Diagnosis
- Failure Recall
- Vertical Airflow
- Easy Installation (with leveling plate)

SLZ Series

CEILING-CASSETTE

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

Air Cleaning Filter

This built-in filter removes dust and other particulates, keeping the air purified and deodorised. The long-life filter in SLZ Series air conditioners can be used for approximately 2,500 hours with simple maintenance.

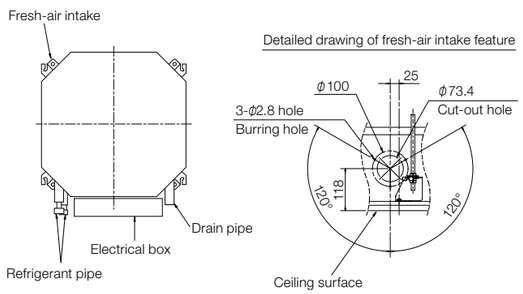
Compact Design

A design that is a perfect match for ceilings made using 2'x2' construction. The 4-way air outlet provides maximum comfort with evenly distributed airflow.

Fresh-Air Intake

A duct hole is provided in the main body, making it possible to intake fresh air from outside.

Fresh-air intake



Detailed drawing of fresh-air intake feature

PLA Series

CEILING-CASSETTE

The incorporation of wide air-outlet and the "i-See Sensor" enhances airflow distribution control, achieving an enhanced level of comfort throughout the room. The synergy of higher energy efficiency and more comfortable room environment results in the utmost user satisfaction.

i-see Sensor

A radiation-based sensor to monitor temperature throughout an entire room. When connected to the air conditioner control panel, "i-see Sensor" works to maximise room comfort.

Additional adapter PAC-SA1M8-E required.

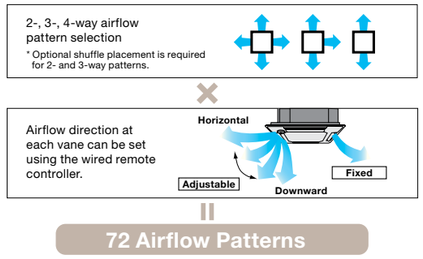
Automatic Grille Lowering Function

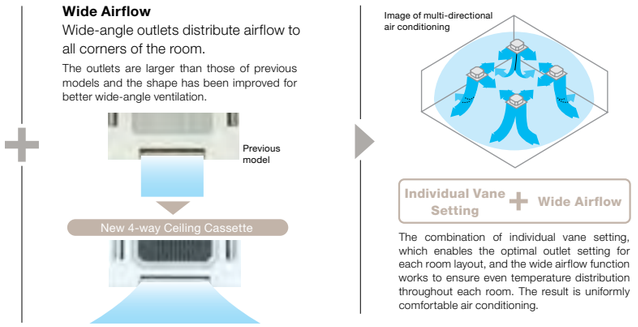
An automatic grille lowering function is available for easy filter maintenance. The grille can be lowered a maximum of 4m from the ceiling in 8 steps, thus enabling easy cleaning of the air filter.

Additional adapter PLA-6BAJ requried.

Optimum Airflow

Optimum airflow settings provide maximum comfort throughout the room.





SLZ SERIES FEATURES

- PAM Control
- Long Life (2,500 Hour Filter)
- Fresh Air Intake
- Pure White
- Auto Vane
- Vertical Swing
- 12 Hour Timer (SLZ-KA VAL)
- Auto Restart
- Cooling at -10°~46°C (KA25)
- Cooling at -15°~43°C (KA50)
- Heating at -15°~24°C
- Controller (SLZ-KA VAQ)
- Weekly Timer (SLZ-KA VAQ) (PAR-31MA)
- Optional M-NET Connection
- Optional Wi-Fi Control
- Self Diagnosis (with wired R/C check code)
- MXZ Connection
- Failure Recall

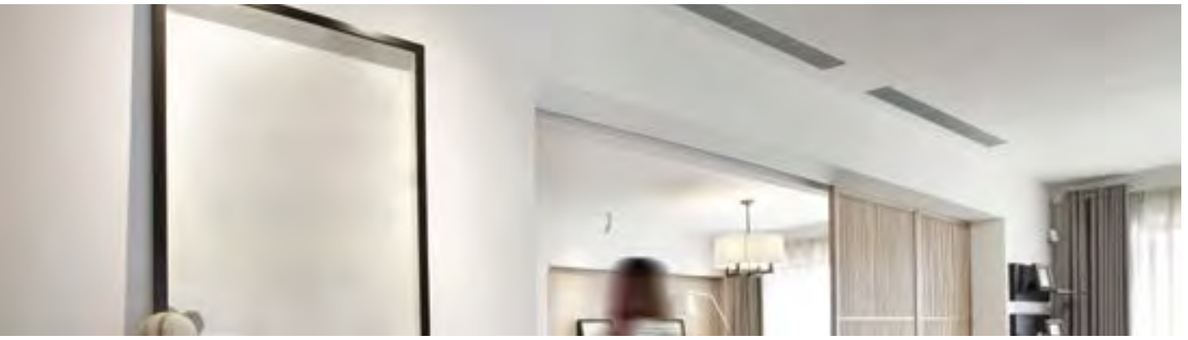
PLA SERIES FEATURES

- i-See Sensor Optional
- Pure White
- Auto Vane
- Long Life Filter (2,500 Hour Filter)
- Filter Check Signal
- Fresh-air Intake
- High Efficency Filter (Optional)
- Vertical Fin
- Horizontal Fin
- High Ceiling Mode
- Low Ceiling Mode
- Auto Fan Speed Mode
- Self Timer
- Auto Change Over
- Auto Restart
- Low Temp Cooling
- Quiet Operation
- Group Control (Optional)
- M-NET Connection (Optional)
- Wi-Fi Interface (Optional)
- Cleaning Free pipe reuse
- Drain Lift Up
- Flare Connection
- Self Diagnostic Function
- Failure Recall Function

SEZ Series

CEILING-CONCEALED

Our concealed-ceiling unit has a reduced installation space height with impressively quiet operation. Comfortable operation for the living room, bedroom and other living spaces.



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.

Dimension Comparison

MODEL SEZ-KA35VA

MODEL SEZ-KD35VAQ

Width reduced by 110mm
Height reduced by 70mm

Increased 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.

previous model	External static pressure
SEZ-KD25-71VA	5/15/35/50Pa

current model	
SEZ-KA35-71VA	30/50Pa

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-KD	SEZ-KA
External static pressure	15Pa	30Pa
35 class	23dB	30dB
50 class	30dB	31dB
60 class	30dB	32dB
71 class	30dB	32dB

Maximum Noise
Reduced by up to 7dB

SEZ SERIES FEATURES

- Auto Restart
- Cooling at -10°~46°C (KA25/35)
- Cooling at -15°~43°C (KA50)
- Cooling at -15°~46°C (KA60/71)
- Heating at -15°~24°C
- Controller (SEZ-VAQ)
- Optional Wi-Fi Control
- Weekly Timer (SEZ-VAQ) (PAR-31MA)
- Optional M-NET Connection
- Flare Connection
- Failure Recall
- Self Diagnosis (with wired R/C check code)

PEAD Series

CEILING-CONCEALED

For elegance and style, the PEAD Series compliments the room environment with an aesthetically pleasing ceiling installation and high-pressure static fan. Long pipe work installation is supported, increasing freedom in the placement of indoor units.

Compact Indoor Units

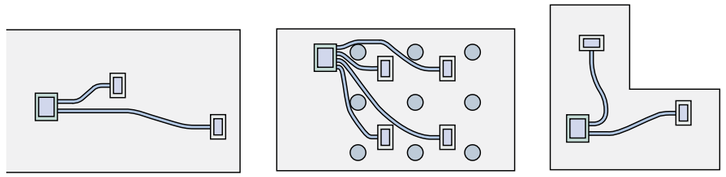
The height of the current PEAD models has been unified to 250mm. Compared to the previous models, the height has been reduced by as much as 178mm, making installation possible in low ceilings with minimal clearance space.

Wide Selection of Fan Speeds and External Static Pressure

Five-stage external static pressure conversions and three fan speed selections are available. Capable of being set to a maximum of 125Pa, units are applicable to a wide range of building types.

Freedom in Installation

Versatile and easy installation is possible; for example, it is possible to adjust the distance between the air-intake and air-outlet vents to create the optimal airflow configuration.



Long rectangular room

Room with fixed ceiling fixtures

L-shaped room

PEAD SERIES FEATURES

- Auto Change Over
- Auto Restart
- Quiet Operation
- Group Control (Optional)
- M-NET Connection (Optional)
- Wi-Fi Interface (Optional)
- Cleaning Free pipe reuse
- Flare Connection
- Self Diagnostic Function
- Failure Recall Function

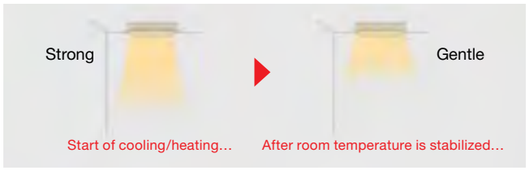
PCA-KA Series

CEILING-SUSPENDED

A stylish 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.

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.



Equipped with High and Low Ceiling Modes

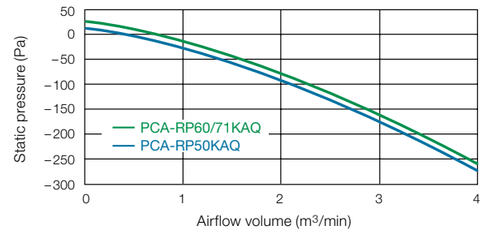
Units are equipped with high and low ceiling operation modes that make it possible to switch the airflow volume to match room height

Fresh Outside-Air Intake

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

Class	High ceiling	Standard ceiling	Low ceiling
50	3.5m	2.7m	2.5m
60	3.5m	2.7m	2.5m
71	3.5m	2.7m	2.5m

Outside-air intake characteristics



PCA-KA SERIES FEATURES

- Long Life Filter (2,500 Hour Filter)
- Filter Check Signal
- Fresh-air Intake
- Pure White
- Auto Vane
- High Efficency Filter (Optional)
- Vertical Fin
- Horizontal Swing
- High Ceiling Mode
- Low Ceiling Mode
- Auto Fan Speed Mode
- Auto Change Over
- Auto Restart
- Quiet Operation
- Group Control (Optional)
- M-NET Connection (Optional)
- Wi-Fi Interface (Optional)
- Cleaning Free pipe reuse
- Drain Lift Up
- Flare Connection
- Self Diagnostic Function
- Failure Recall Function

MXZ Series

A selection of eight MXZ outdoor units with capacities ranging between 5.2 and 15.5kW can be matched with specific M, S and P Series indoor units to handle a variety of building layouts. The best solution for multi-system air conditioning needs.

8-Port
MXZ-8B140VA
MXZ-8B160VA

6-Port
MXZ-6D120VA

4-Port/5-Port
MXZ-4D80VA
MXZ-5D100VA

3-Port/4-Port
MXZ-3D54VA
MXZ-4D71VA

2-Port
MXZ-2D52VA

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 detailed information about all these functions, refer to the relevant installaion manual.

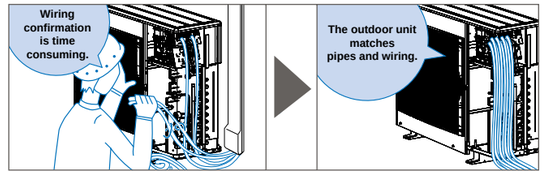
Wiring/Piping Correction Function

Simply press a single button to confirm if piping and wiring are properly connected. Wiring errors are corrected automatically when discovered. This eliminates the need to confirm complicated wiring connections when expanding the system.

Ampere Limit Adjustment

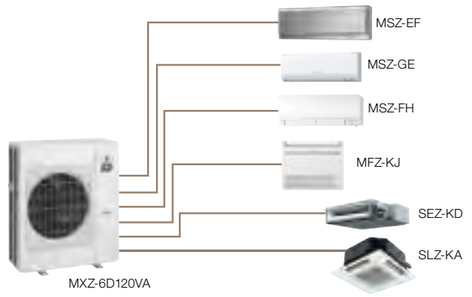
Dip switch settings can be used to adjust the maximum electrical current for operation. This function is highly recommended for managing energy costs. (For details, refer to the outdoor unit installation manual.)

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

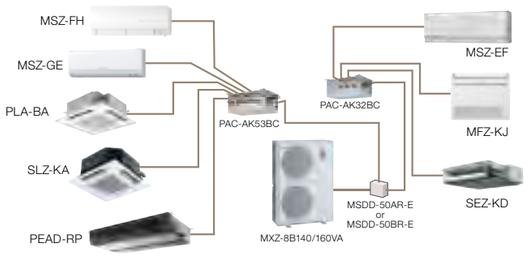


EXAMPLE SYSTEM

Smaller MXZ with 2, 3, 4, 5 or 6 ports
(example of MXZ-6D120VA system)



Power Multi MXZ-8B140/160VA for 8 ports



Branch Box Features

For MXZ-8B140VA/MXZ-8B160VA

PAC-AK53BC

PAC-AK32BC

Flexible Installation Indoor

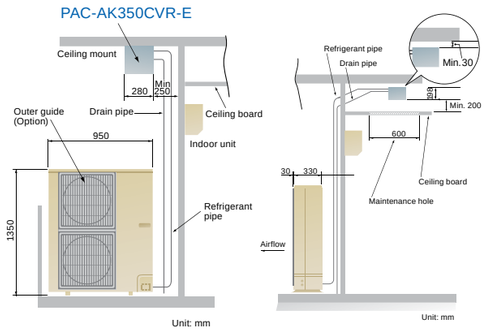
The branch box can be installed in the ceiling, thus improving appearance. The piping length to the indoor units has been reduced. Maintenance is also easier through improved access to the circuit board and other inner parts by simply removing the side andbottom covers.

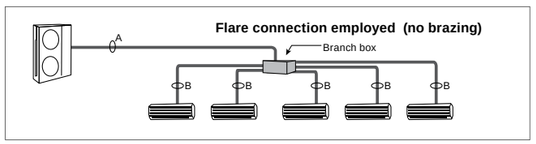
Flexible Installation Outdoor

The branch box can be installed outdoors by using the optional cover for outdoor installation. It can be suspended from the building eaves for easy maintenance access, eliminating the need for a special maintenance hole in the ceiling.

Brazing-Free, Quick Installation

All the piping leading to and from the branch box is connected using flare joints, which are easy to use and enable pipes to be connected quickly. The piping connection size differs according to the type and capacity of indoor units. Match the piping connection size for the indoor unit and branch box.





	A	B	
		PAC-AK53BC	PAC-AK32BC
Liquid	ø9.52mm (ø3/8 in.)	ø6.35 (ø1/4 in.) × 5	ø6.35 (ø1/4 in.) × 3
Gas	ø15.58mm (ø5/8 in.)	ø9.52 (ø3/8 in.) × 4 + ø12.7 (ø1/2 in.) × 1	ø9.52 (ø3/8 in.) × 3

Controls

Making the most out of your air conditioner all starts with the controls, these allow you to create the comfort levels that match your demands. As air conditioners are becoming more advanced, so are the controls, to allow accuracy and ease of use to maximise the functionality of your air conditioner. The availability of handheld remotes, wired wall controllers, internet-connectable controllers, and central based zone controllers not only provide you with a wide variety of choice, but also allow optimised programming efficiency.

24 Hour Controller

This simple to use remote controller features a 24 hour timer, an easy to read display and variety of operating modes at the touch of a button. An On/Off timer allows users to set operating times on a daily basis. The 'i-Save' mode recalls the present temperature. This remote is standard for the GE25/35/42/50 series.

AE-200 10.4" LCD Touch Screen

Control up to 200 units, remote monitoring via web browser or personal computer via a LAN. Featuring a large, backlit high-resolution colour touch panel, easily visible making it easy to read and control units. Fan operation time as well as energy consumption can be displayed.

AT-50B 5" LCD Touch Screen

Simple operation at a touch with the ability to control up to 50 units. The AT-50B features both weekly and daily timer functions and night setback function. The backlit LCD lights up on touch and dims after a certain time period.

Weekly Remote Controller

With an easy to read display and a variety of operating modes at the touch of a button. This controller features a weekly and 24 hour timer, On/Off timer to set operating times on a daily basis. The 'i-Save' mode recalls the preset temperature. This remote is standard for the GE60/71/80 Series, EF series and FH series.

PAR-31MAA 7 Day Controller

The wall mounted 7 day controller is an optional upgrade with the ability to connect to all Mitsubishi Electric systems listed in this brochure. The PAR-31MAA allows you to program up to 8 stop/start patterns per day for up to 7 days at a time. Other features include a variety of operation control functions, error information, temperature range restriction, operation lock and multi-language display. The PAR-31 also offers the following at the touch of a button: LCD backlit screen, large, easy to read display and mode view for both icon and word display.

Wi-Fi Control

Wi-Fi Control unlocks the door to smarter heating or cooling, for total home comfort where ever you are.

This innovative technology connects your domestic high wall, floor mounted and ducted air conditioner to your smartphone, tablet or online account, giving you the freedom to fully control each unit on-the-go via an internet connection from anywhere in the world.

Wi-Fi CONTROL

Wi-Fi FEATURES

- View & control from anywhere in the world
- Enhance energy savings
- Set up 7 day weekly schedule
- Wireless connection using WPS

Superior Customisation

This innovative technology places multiple functions of your air-conditioner at your fingertips. Turning the unit ON/OFF, adjusting set temperature, changing mode, fan speed and airflow direction are all possible.

Develop Operating Rules

Tailor your system to always meet your needs. Unlock the full potential of your air-conditioner, program your system to automatically turn on/off at specific times, change settings, and develop temperature rules to ensure superior comfort day after day.

Control Multiple Units

Customise the settings of each air-conditioner in your home. Purchase multiple adaptors to manage all air-conditioners independently on the same account to ensure complete control over your system. The result is a tailored system to your needs.

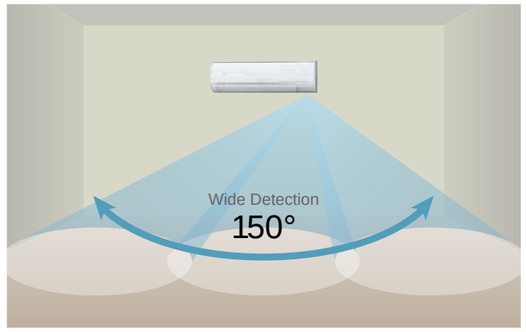
Optional upgrade adapter required

Energy Effciency

Felt Temperature Control i-see Sensor

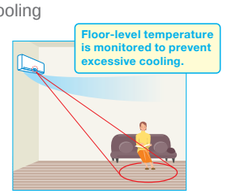
Conventional air conditioners monitor the air temperature at the top of a room to control room temperature and fail to take foot-level temperature, that which has the strongest impact on room comfort, into consideration.

The “3D i-See Sensor” monitors the floor temperature and estimates the “felt temperature” (i.e.The temperature felt by people in the room). The airflow speed and temperature are adjusted to prevent over-cooling/heating, thereby reducing energy consumption.

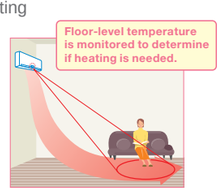


The “3D i-See Sensor” sweeps from side-to-side automatically monitoring the floor temperature over a wide area spanning 150°.

Cooling



Heating



Demand Function (Offsite Modfication)

It is possible to reduce electricity consumption within a range from 0 to 100% by performing the following onsite installation. The demand function can be enabled by adding a commercially available input contact point On/Off switch to the CNDM connector (the contact point demand input, optional parts.)

- Incorporate the “Adapter for external input (PAC-SC36NA)” into the circuit.
- By switching SW7-1 on the control circuit board for the outdoor unit, the following power consumption restrictions (compared to rated power) can be set.

SW7-1	Power consumption when SW2 is on
OFF	0% (Forced compressor stop)
ON	50%

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 gain in energy efficiency.
(Function only available during manual cooling operation.)

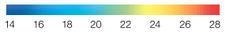
	Conventional	Econo Cool
Ambient temperature	35°C	35°C
Set temperature2	5°C2	7°C
Perceived temperature	30°C	29.3°C

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

Temperature distribution (°C)



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 helps to prevent unnecessary cooling/heating and contributes to higher energy efficiency.

Cooling Mode

Attractive

Pure White

Pure white is adopted for the unit colour; white expressing the essence of cleanliness and easily matching virtually all interior décor.

Auto Vane

The vane closes automatically when the air conditioner is not running, concealing the air outlet and creating a flat surface that is aesthetically appealing.

Air Quality

Plama Duo Plasma Duo Filter Systems

Units are equipped with a pre-filter and two special filters that perform plasma air cleaning and plasma purification functions (Plasma Duo). The plasma system remove bad odours and bacterial particulates of micron- and nanometre-size from the air.

Fresh-Air Intake

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

Anti-Alergy Enzyme Filter

The anti-allergy enzyme filter works to trap allergens such as molds and bacteria and decompose them using enzymes retained in the filter.

High-Efficency 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.

Nano Platinum Filter

The filter has a large capture area and incorporates nanometre-sized platinum- ceramic particles that work to kill bacteria and deodourise the circulating air.

Catechin Filter

Catechin is a bioflavonoid by-product of green tea with both antiviral and antioxidant qualities. It also has an excellent deodourising effect, which is why Mitsubishi Electric uses the compound in its air conditioner filters. In addition to improving air quality, it prevents the spreading of bacteria and viruses throughout the room. Easily removed for cleaning and maintenance, when the filter is washed regularly the deodourising action is rated to last more than 10 years.

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.

Electrostatic Anti-alergy Enzyme Filter

This function features both the Air Cleaning Filter and Anti-allergy Enzyme Filter.

*These filters are not medical devices and the care/cleaning instructions in the relevant uses manual must be followed for proper functioning.)

Air Distribution

Horizontal Fin

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

Vertical Fin

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

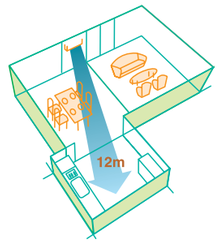
If the room has a low ceiling, the airflow volume can be reduced for less draft.

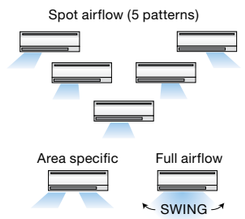
Auto Fan Speed Mode

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

Wide & Long Airflow

The wide and long airflow function is especially beneficial for large spaces, helping to ensure that air is well circulated and reaches every corner of the room.





Wide Airflow

This unique airflow system distributes air horizontally over a wide-ranging 150° in heating mode and 100° in cooling mode Simply press the Wide Swing icon on the remote controller to select the desired airflow from seven different patterns.

Long Airflow

Use this function to ensure that the airflow circulates to areas far across the room. Press the Long Airflow icon on the remote controller to extend reach up to as far as 12 metres from the unit.

FEATURE GLOSSARY

Installation

Cleaning-Free Pipe Reuse (2D52/3D54/4D71/4D80/5D100/6D120)

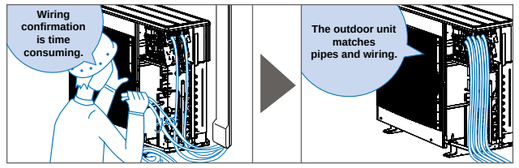
The application of pipe reuse technology makes it possible to reuse piping, thereby allowing cleaning-free re-use of air conditioning systems that use R22 refrigerant.

* The existing piping can not be reused if the outer diameter and the thickness of the existing piping do not meet applicable specifications or damage to piping is found. (3D54/4D71/4D80/5D100/6D120)

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. (For details, refer to the outdoor unit installation manual.)

* 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.

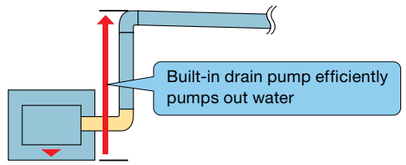


Flare Connection

Flare connection to cooling pipe work is possible.

Drain Pipe

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



Maintenance

Quick Clean Body

The cover panel can be quickly removed for washing and the airflow vents can be opened without any special tools, making it easy to clean the inside of the air conditioner in minutes. Periodic cleaning of the air conditioner is recommended to maintain optimum operating and energy efficiency.

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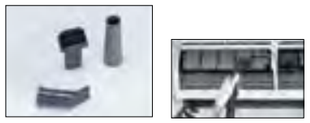
Open the vents to clean and reach into clean the fan

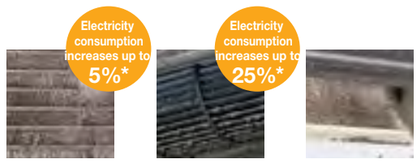


Exclusive Quick Clean Kit (Optional)
Our exclusive “Quick Clean Kit” can be easily connected to a household vacuum cleaner for quick and easy cleaning of the heat exchanger.*

Mitsubishi Electric’s “Quick Clean Kit” helps to prevent increases in electricity consumption by as much as 30%*

Always clean the heat exchanger, fan and air vent to ensure proper performance and economical operation.

* Electricity cost comparison of operation between two units at a fixed temperature; one with 8g of dirt on one fan and the other fan clean. Based on in-house data.



*It is highly recommended that rubber gloves be worn when cleaning the heat exchanger; touching it with bare hands may lead to injury.

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.

Outdoor Unit Specifications

Type				Up to 2 Indoor Units	Up to 3 Indoor Units	Up to 4 Indoor Units		Up to 5 Indoor Units	Up to 6 Indoor Units
Model Name *1				MXZ-2D52VA	MXZ-3D54VA	MXZ-4D71VA	MXZ-4D80VA	MXZ-5D100VA	MXZ-6D120VA
Power Supply [V, Phase, Hz, Source]				230V, Single, 50Hz, Outdoor unit power supply					
Cooling	**Capacity**	Rated	kW	5.2	5.4	7.1	8.0	10.0	12.0
		Min. - Max.	kW	1.1 - 6.0	2.9 - 6.8	3.7 - 8.8	3.7 - 9.2	3.9 - 11.0	3.5 - 13.5
	Power Input [Indoor+Outdoor]		kW	1.40	1.25	1.88	2.07	3.09	3.61
	AEER/EER *2 [Indoor+Outdoor]			3.67 / 3.71	3.95 / 4.32	3.50 / 3.78	3.59 / 3.86	3.07 / 3.24	3.18 / 3.32
	Running Current *2 [Indoor+Outdoor]		A	6.3	5.5	8.3	9.1	13.6	15.9
	Sound Pressure Level [Outdoor]	Silent - Rated	dB(A)	46 - 50	45 - 50	45 - 50	46 - 51	49 - 53	51 - 53
	Air Volume [Outdoor]		ℓ/s	525	648	648	910	973	987
Heating	**Capacity**	Rated	kW	6.1	7.0	8.0	8.8	10.0	13.5
		Min. - Max.	kW	1.0 - 7.0	2.6 - 9.0	3.4 - 10.7	3.4 - 11.6	4.1 - 14.0	3.5 - 16.5
	Power Input [Indoor+Outdoor]		kW	1.59	1.61	1.84	2.13	2.63	3.75
	ACOP/COP *2 [Indoor+Outdoor]			3.80 / 3.84	4.06 / 4.35	4.03 / 4.35	3.86 / 4.13	3.58 / 3.80	3.45 / 3.60
	Running Current *2 [Indoor+Outdoor]		A	7.1	7.1	8.1	9.4	11.6	16.5
	Sound Pressure Level [Outdoor]	Silent - Rated	dB(A)	49 - 53	48 - 53	48 - 54	46 - 51	49 - 59	53 - 57
	Air Volume [Outdoor]		ℓ/s	532	755	778	833	1050	1158
Number of Connectable Indoor Units		Min. - Max.		2	2 - 3	2 - 4	2 - 4	2 - 5	2 - 6
Breaker Size			A	15	25	25	25	25	32
Outdoor	**Dimensions**	Height	mm	550	710	710	915	915	1070
		Width	mm	800	840	840	900	900	900
		Depth	mm	285	330	330	320	320	320
	Weight		kg	37	57	58	69	70	87
Ext. Piping	**Diameter**	Liquid (ø)	mm	6.35 × 2	6.35 × 3	6.35 × 4	6.35 × 4	6.35 × 5	6.35 × 6
		Gas (ø)	mm	9.52 × 2	9.52 × 3	9.52 × 3 + 12.7 × 1	9.52 × 3 + 12.7 × 1	9.52 × 4 + 12.7 × 1	9.52 × 5 + 12.7 × 1
	Max. Length	Total - Each	m	30 - 20	50 - 25	60 - 25	70 - 25	80 - 25	80 - 25
	Max. Height *3		m	15 / 10	15 / 10	15 / 10	15 / 10	15 / 10	15 / 10
Refrigerant Chargeless Piping Length			m	20	40	40	40	40	60
Guaranteed Operating Range [Outdoor unit]		Cooling	°C	-10 – +46	-10 – +46	-10 – +46	-10 – +46	-10 – +46	-10 – +46
		Heating	°C	-15 – +24	-15 – +24	-15 – +24	-15 – +24	-15 – +24	-15 – +24

*1 Model name shows rated cooling capacity when max. number of indoor units are connected.
MXZ-5D100VA: Rated at 10kW when 5 indoor units are connected.

*2 Figures represented in power input, running current and AEER/ACOP are when connected with indoor units below.
MXZ-2D52VA → MSZ-GE35VAD × 2
MXZ-3D54VA → MSZ-GE25VAD × 3
MXZ-4D71VA → MSZ-GE25VAD × 4
MXZ-4D80VA → MSZ-GE25VAD × 4
MXZ-5D100VA → MSZ-GE25VAD × 5
MXZ-6D120VA → MSZ-GE25VAD × 6

*3 If the outdoor unit is installed higher than the indoor unit, max height is reduced to 10m.

(Rating Conditions) Cooling: Indoor 27°C, D.B./19°C, W.B.
Outdoor 35°C, D.B./24°C, W.B.
Heating: Indoor 20°C, D.B.
Outdoor 7°C, D.B./6°C, W.B.

Type				Up to 8 Indoor Units	
Model Name				MXZ-8B140VA	MXZ-8B160VA
Power Supply [V, Phase, Hz, Source]				230V, Single, 50Hz, Outdoor unit power supply	
Cooling	**Capacity**	Rated	kW	14.0	15.5
	Power Input [Outdoor]		kW	3.80	4.62
	AEER/EER *1 [Indoor+Outdoor]			3.32 / 3.52	3.06 / 3.21
	Running Current *1 [Outdoor]		A	16.6	20.3
	Sound Pressure Level [Outdoor]	Silent - Rated	dB(A)	47 - 50	48 - 51
	Air Volume [Outdoor]		ℓ/s	1,670	1,770
Heating	**Capacity**	Rated	kW	16.0	18.0
	Power Input [Outdoor]		kW	3.95	4.82
	ACOP/COP *1 [Indoor+Outdoor]			3.70 / 3.91	3.45 / 3.61
	Running Current *1 [Outdoor]		A	17.3	21.2
	Sound Pressure Level [Outdoor]	Rated	dB(A)	52	54
	Air Volume [Outdoor]		ℓ/s	1,670	1,770
Number of Connectable Indoor Units		Min. - Max.		2 - 8	2 - 8
Breaker Size			A	40	40
Outdoor	**Dimensions**	Height	mm	1,350	1,350
		Width	mm	950	950
		Depth	mm	330	330
	Weight		kg	129	129
Ext. Piping	**Diameter**	Liquid (ø)	mm	9.52 × 1	9.52 × 1
		Gas (ø)	mm	15.88 × 1	15.88 × 1
	Max. Length	Total - Each	m	115 - 70	115 - 70
	Max. Height *2		m	30 / 20	30 / 20
Refrigerant Chargeless Piping Length			m	40	40
Guaranteed Operating Range [Outdoor unit]		Cooling	°C	-5 – +46	-5 – +46
		Heating	°C	-15 – +21	-15 – +21

*1 Figures represented in power input, running current and AEER/ACOP are when connected with indoor units below.
MXZ-8B140VA → MSZ-GE22VAD × 3 + MSZ-GE25VAD × 3
MXZ-8B160VA → MSZ-GE22VAD × 7

*2 The maximum height is 20m when installing an outdoor unit positioned lower than indoor unit.

Type				Branch Box	
Model Name				PAC-AK53BC	PAC-AK32BC
Number of Connectable Indoor Units				Max. 5	Max. 3
Power Supply [V, Phase, Hz , Source]				230V, Single, 50Hz, Outdoor unit power supply	
Total Input			kW	0.003	
Operating Current			A	0.05	
Drain Hose Size			mm	O.D. 20 (VP- 16)	
Dimensions [H × W × D]			mm	198 × 450 × 280	
Weight			kg	9.3	8.1
Piping [Diameter]	**Branch** [Indoor side]	Liquid	mm	6.35 × 5	6.35 × 3
		Gas	mm	9.52 × 4,12.7 × 1	9.52 × 3
	Main [Outdoor side]	Liquid	mm	9.52	
		Gas	mm	15.88	
	Connection Method			Flared	
Wiring	**To Indoor Unit**			3-wire + Earth wire	
	To Outdoor Unit			3-wire + Earth wire	

Maximum Piping Length (Total Length)						
Model	**30m**	**50m**	**60m**	**70m**	**80m**	**115m**
MXZ-2D52VA	✓					
MXZ-3D54VA		✓				
MXZ-4D71VA			✓			
MXZ-4D80VA				✓		
MXZ-5D100VA					✓	
MXZ-6D120VA					✓	
MXZ-8B140VA						✓
MXZ-8B160VA						✓

Indoor Unit Specifications

MSZ-EF (Wall-mounted: Stylish type)

Model Name				MSZ-EF22VE (W/B/S)	MSZ-EF25VE (W/B/S)	MSZ-EF35VE (W/B/S)	MSZ-EF42VE (W/B/S)	MSZ-EF50VE (W/B/S)
Fan Speed				Quiet-Lo-Mid-Hi-SHi-Auto				
Cooling	**Airflow** [min-max]		ℓ/s	67 - 175	67 - 175	67 - 175	97 - 172	97 - 183
	Sound Pressure Level [min-max]		dB	21 - 42	21 - 42	21 - 42	28 - 42	30 - 43
Heating	**Airflow** [min-max]		ℓ/s	67 - 198	67 - 198	67 - 212	92 - 212	107 - 220
	Sound Pressure Level [min-max]		dB	21 - 45	21 - 45	21 - 46	28 - 48	30 - 49
Dimensions		Height	mm	299				
		Width	mm	895				
		Depth	mm	195				
Weight			kg	11.5				
Pipe Size [Liquid/Gas]			mm	ø6.35 / ø9.52				ø6.35 / ø12.7

W: White, B: Black, S: Silver SHi → Super High

MSZ-FH (Wall-mounted: Deluxe type)

Model Name				MSZ-FH25VE	MSZ-FH35VE	MSZ-FH50VE
Fan Speed				Lo-Mid-Hi-SHi-Auto		
Cooling	**Airflow** [min-max]		ℓ/s	78 - 193	78 - 193	123 - 207
	Sound Pressure Level [min-max]		dB	23 - 42	24 - 42	31 - 44
Heating	**Airflow** [min-max]		ℓ/s	78 - 220	78 - 220	120 - 243
	Sound Pressure Level [min-max]		dB	24 - 44	24 - 44	29 - 46
Dimensions		Height	mm	305 (+17)		
		Width	mm	925		
		Depth	mm	234		
Weight			kg	13.5		
Pipe Size [Liquid/Gas]			mm	ø6.35 / ø9.52		ø6.35 / ø12.7

SHi → Super High

MSZ-GE (Wall-mounted: Standard type)

Model Name				MSZ-GE22VAD	MSZ-GE25VAD	MSZ-GE35VAD	MSZ-GE42VAD	MSZ-GE50VAD	MSZ-GE60VAD	MSZ-GE71VAD	MSZ-GE80VAD
Fan Speed				Quiet-Lo-Mid-Hi-SHi-Auto							
Cooling	**Airflow** [min-max]		ℓ/s	68 - 188	68 - 188	68 - 212	97 - 213	108 - 252	163 - 305	162 - 298	162 - 298
	Sound Pressure Level [min-max]		dB	19 - 42	19 - 42	19 - 43	26 - 46	28 - 49	29 - 49	30 - 49	30 - 49
Heating	**Airflow** [min-max]		ℓ/s	68 - 192	68 - 192	68 - 192	97 - 218	108 - 242	163 - 305	170 - 298	170 - 298
	Sound Pressure Level [min-max]		dB	19 - 42	19 - 42	19 - 43	26 - 46	28 - 48	29 - 49	30 - 49	30 - 49
Dimensions		Height	mm	295					325		
		Width	mm	798					1,100		
		Depth	mm	232					238		
Weight			kg	10					16		
Pipe Size [Liquid/Gas]			mm	ø6.35 / ø9.52				ø6.35 / ø12.7	ø6.35 / ø15.88	ø9.52 / ø15.88	

SHi → Super High

MFZ-KJ (Compact floor-standing)

Model Name				MFZ-KJ25VE	MFZ-KJ35VE	MFZ-KJ50VE
Fan Speed				Quiet-Lo-Mid-Hi-SHi-Auto		
Cooling	**Airflow** [min-max]		ℓ/s	65 - 136	65 - 136	93 - 176
	Sound Pressure Level [min-max]		dB	20 - 39	20 - 39	27 - 44
Heating	**Airflow** [min-max]		ℓ/s	65 - 161	65 - 161	100 - 233
	Sound Pressure Level [min-max]		dB	19 - 41	19 - 41	29 - 50
Dimensions		Height	mm	600		
		Width	mm	750		
		Depth	mm	215		
Weight			kg	15		
Pipe Size [Liquid/Gas]			mm	ø6.35 / ø9.52		ø6.35 / ø12.7

SHi → Super High

SLZ-KA (Compact cassette)

Model Name				SLZ-KA25VAQ(L)	SLZ-KA35VAQ(L)	SLZ-KA50VAQ(L)
Fan Speed				Lo-Mid-Hi		
Cooling	**Airflow** [min-max]		ℓ/s	133 - 167	133 - 183	133 - 183
	Sound Pressure Level [min-max]		dB	28 - 37	29 - 38	30 - 39
Heating	**Airflow** [min-max]		ℓ/s	133 - 167	133 - 183	133 - 183
	Sound Pressure Level [min-max]		dB	28 - 37	29 - 38	30 - 39
Dimensions ( ): Panel		Height	mm	235 (20)		
		Width	mm	570 (650)		
		Depth	mm	570 (650)		
Weight ( ): Panel			kg	16.5 (3)		
Pipe Size [Liquid/Gas]			mm	ø6.35 / ø9.52		ø6.35 / ø12.7

*SLZ-KA VAQ: No remote controller included. *SLZ-KA VAL: Equipped with a wireless remote controller.

PLA-RP (4-way cassette)

Model Name				PLA-RP60BA	PLA-RP71BA	PLA-RP100BA
Fan Speed				Lo-Mi1-Mi2-Hi-Auto		
Cooling	**Airflow** [min-max]		ℓ/s	200 - 300	233 - 350	334 - 501
	Sound Pressure Level [min-max]		dB	28 - 32	28 - 34	32 - 40
Heating	**Airflow** [min-max]		ℓ/s	200 - 300	233 - 350	334 - 501
	Sound Pressure Level [min-max]		dB	28 - 32	28 - 34	32 - 40
Dimensions ( ): Panel		Height	mm	258 (35)		298 (35)
		Width	mm	840 (950)		
		Depth	mm	840 (950)		
Weight ( ): Panel			kg	23 (6)		25 (6)
Pipe Size [Liquid/Gas]			mm	ø6.35 / ø15.88	ø9.52 / ø15.88	

SEZ-KD (Compact ceiling-concealed)

Model Name				SEZ-KD25VAQ(L)	SEZ-KD35VAQ(L)	SEZ-KD50VAQ(L)	SEZ-KD60VAQ(L)	SEZ-KD71VAQ(L)
Fan Speed				Lo-Mid-Hi-Auto				
Cooling	**Airflow** [min-max]		ℓ/s	92 - 150	117 - 183	167 - 250	200 - 300	200 - 333
	Sound Pressure Level [min-max]		dB	23 - 30	23 -33	30 - 37	30 - 38	30 - 40
Heating	**Airflow** [min-max]		ℓ/s	92 - 150	117 - 183	167 - 250	200 - 300	200 - 333
	Sound Pressure Level [min-max]		dB	23 - 30	23 -33	30 - 37	30 - 38	30 - 40
Static Pressure			Pa	5/15/35/50				
Dimensions		Height	mm	200				
		Width	mm	790	990		1,190	
		Depth	mm	700				
Weight			kg	18	21	23	27	
Pipe Size [Liquid/Gas]			mm	ø6.35 / ø9.52		ø6.35 / ø12.7	ø6.35 / ø15.88	ø9.52 / ø15.88

*SEZ-KD VAQ: No remote controller included. *SEZ-KD VAL: Equipped with a wireless remote controller.

PEAD-RP (Ceiling-concealed)

Model Name				PEAD-RP71JAA	PEAD-RP100JAA
Fan Speed				Lo-Mid-Hi	
Cooling	**Airflow** [min-max]		ℓ/s	292 - 350 - 417	400 - 483 - 567
	Sound Pressure Level [min-max]		dB	30 - 34 - 39	33 - 38 - 42
Heating	**Airflow** [min-max]		ℓ/s	292 - 350 - 417	400 - 483 - 567
	Sound Pressure Level [min-max]		dB	30 - 34 - 39	33 - 38 - 42
Static Pressure			Pa	30/50/70/100/125	
Dimensions		Height	mm	250	
		Width	mm	1,100	1,400
		Depth	mm	732	
Weight			kg	29	38
Return Air Spigot Size			mm	1,058 × 210	1,358 × 210
Supply Air Spigot Size			mm	1,060 × 178	1,360 × 178
Pipe Size [Liquid/Gas]			mm	ø9.52 / ø15.88	

*No remote controller included. Note: With PEAD models, the total capacity of indoor units need to be 100% of the outdoor unit capacity as maximum.

PCA-RP (Ceiling-suspended)

Model Name				PCA-RP50KAQ	PCA-RP60KAQ	PCA-RP71KAQ
Fan Speed				Lo-Mi1-Mi2-Hi-Auto		
Cooling	**Airflow** [min-max]		ℓ/s	167 - 250	250 - 317	267 - 333
	Sound Pressure Level [min-max]		dB	32 - 40	33 - 40	35 - 41
Heating	**Airflow** [min-max]		ℓ/s	167 - 250	250 - 317	267 - 333
	Sound Pressure Level [min-max]		dB	32 - 40	33 - 40	35 - 41
Dimensions		Height	mm	230		
		Width	mm	960	1,280	
		Depth	mm	680		
Weight			kg	25	32	
Pipe Size [Liquid/Gas]			mm	ø6.35 / ø12.7	ø6.35 / ø15.88	ø9.52 / ø15.88

*No remote controller included.

When MFZ-KJ indoor unit(s) is connected to MXZ, please charge additional refrigerant according to the following chart.

No. of MFZ-KJ indoor units			1 unit	2 units	3 units	4 units
MXZ-2D52VA	**Pipe Length**	~20m	100g additional (Total 1400g)	200g additional (Total 1500g)	–	–
		~30m	100 g+{(L-20) m×20 g/m}	200 g+{(L-20) m×20 g/m}	–	–
	Maximum Amount of Refrigerant		1600g	1700g	–	–
MXZ-3D54VA	**Pipe Length**	~40m	100g additional (Total 2800g)	200g additional (Total 2900g)	300g additional (Total 3000g)	–
		~50m	100 g+{(L-40) m×20 g/m}	200 g+{(L-40) m×20 g/m}	300 g+{(L-40) m×20 g/m}	–
	Maximum Amount of Refrigerant		3000g	3100g	3200g	–
MXZ-4D71VA	**Pipe Length**	~40m	100g additional (Total 2800g)	200g additional (Total 2900g)	300g additional (Total 3000g)	400g additional (Total 3100g)
		~60m	100 g+{(L-40) m×20 g/m}	200 g+{(L-40) m×20 g/m}	300 g+{(L-40) m×20 g/m}	400 g+{(L-40) m×20 g/m}
	Maximum Amount of Refrigerant		3200g	3300g	3400g	3500g

MITSUBISHI ELECTRIC

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