



Ducted Air Conditioning

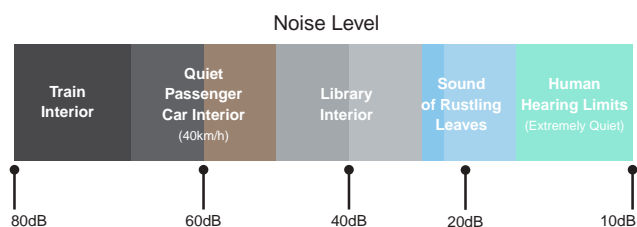


Why Choose Mitsubishi Electric?

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.

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 labour warranty.

Delivering optimum performance year in year out.

See website for terms & conditions.





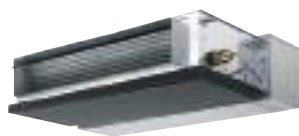
Our commitment to quality, service, research and development has helped us gain a leading position in today's marketplace in heating, cooling and air conditioning for the home or office.

#worksforme



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.
- At only 200mm height its design guarantees ease of installation.
- Provides optimum air conditioning efficiency and comfort.



PEAD Series

- A wide range of static pressures allow airflow to be directed to different areas of your home or office with ease.
- Ideal for heating or cooling multiple rooms.
- The solution for buildings with low ceiling space (as low as 250mm).



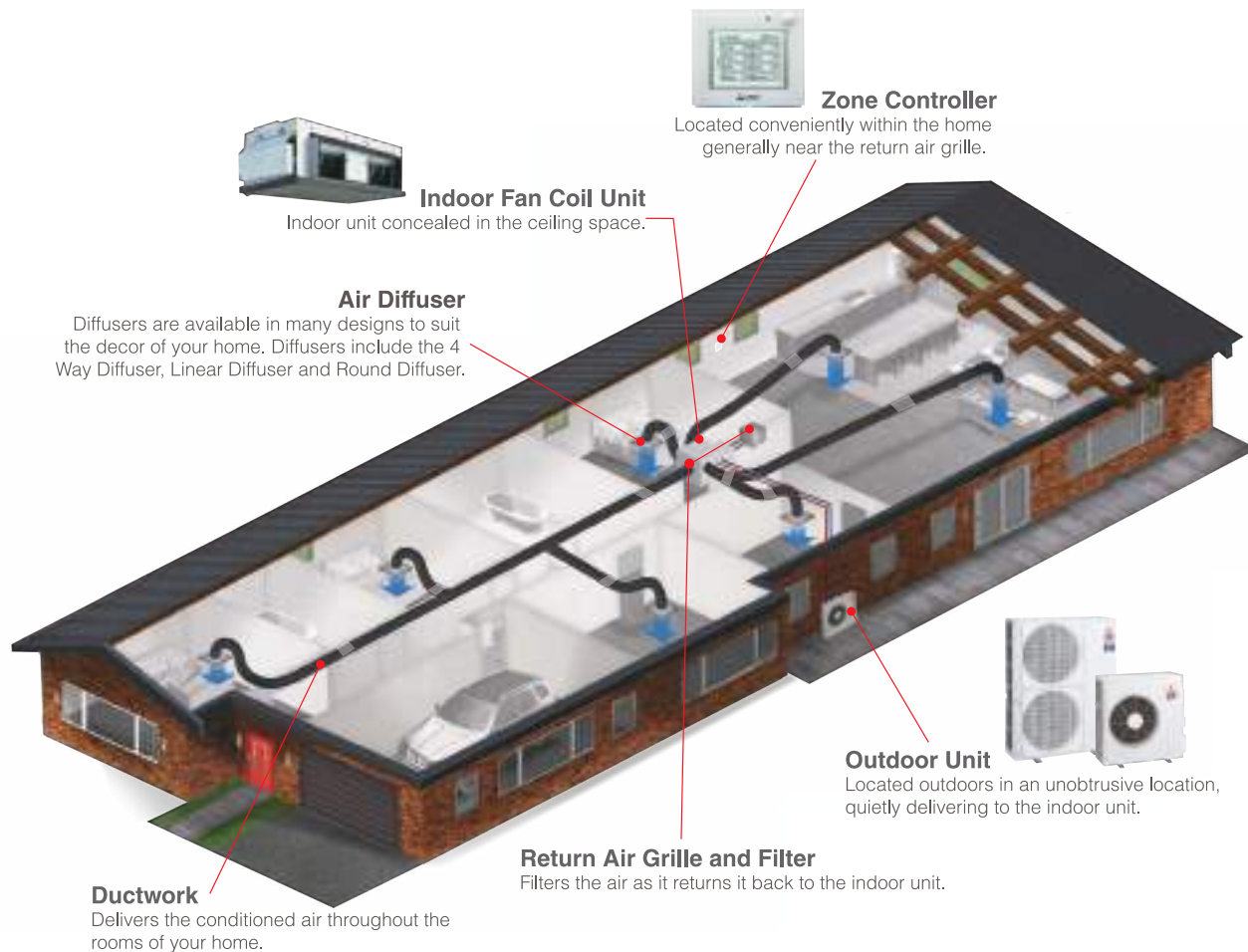
PEA Series

- To increase the efficiency of dehumidification the fan speed is effectively controlled electronically in this mode.
- For easier handling on roof space the new ducted fan coil unit has a two-piece construction.
- Increased variation in airflow to ensure operation that suits most room layouts. (PEA-RP170/200/250)



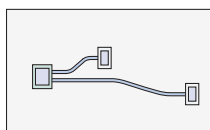
Outdoor Units

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

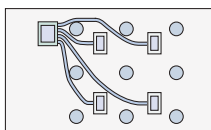


Freedom in Installation

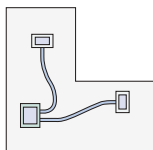
Versatile and easy installation is possible, for example, it is possible to adjust the distance between the air intake and the air outlet vents to create the optimal airflow configuration.



Long rectangular room



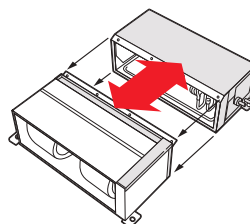
Room with fixed ceiling fixtures



L-shaped room fixtures

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.

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.

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, helping you to create comfort levels that suit your needs.

The availability of wired wall mounted controller PAR-33MAA-J, 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-33MAA-J 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-33MAA-J 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.



PAC-YT52CRA Controller

To simplify operation of the system, the range of controls has been limited to On/Off, mode, room temperature, fan speed and additional vane control for high walls, cassettes, and under ceiling units. The controller has the ability to sense the room ambient via the inbuilt thermostat. This means you are sensing the actual space temperature where the end user is.

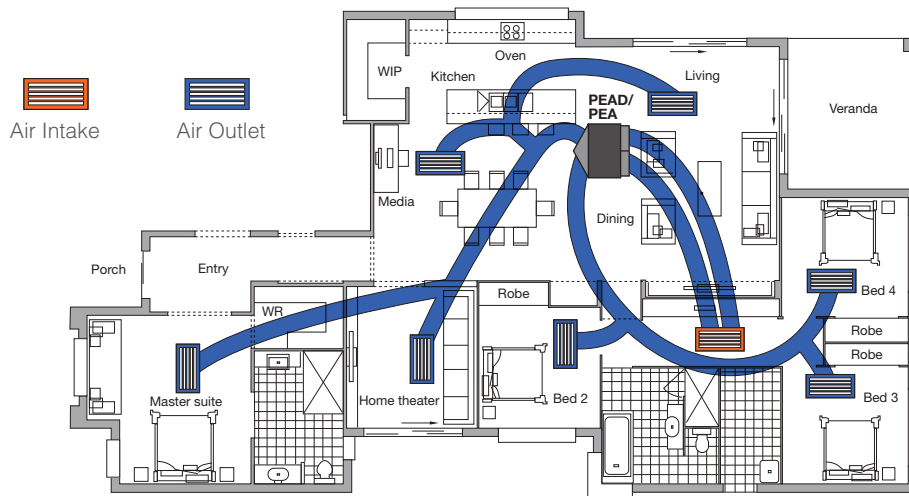
ZONE CONTROLLER



Mitsubishi Electric's Zone Controller has the ability to control up to 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 is also available. It is equipped with three built-in sensors (temperature, brightness and occupancy) which allows for comfortable air environment and also helps to reduce energy consumption.

Control Operation of up to 8 Dampers

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



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.

ZONE CONTROLLER FEATURES

- » Fan Speed Control
- » Energy Save Control
- » Wi-Fi Control (optional upgrade adapter required per unit)
- » Averaging Sensor Control
- » Easy Operation
- » 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.

Optional upgrade adapter required per unit.



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 adapters 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)	660x150		860x150				1,060x150				
Dimensions	Height (mm)	200		200		200		200		200	
	Width (mm)	790		990		990		1,190		1,190	
	Depth (mm)	700		700		700		700		700	
Weight (kg)	18		21		23		27		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-RP71JAAD		PEAD-RP71JAAD		PEAD-RP100JAAD		PEAD-RP125JAAD		PEAD-RP140JAAD			
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		32-39-46		
	L/S	292-350-417		400-483-567		492-592-700		533-650-767		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		40-44-49			
Return Air Spigot Size (mm)	1,058x210		1,358x210		1,358x210		1,558x210		1,558x210			
Supply Air Spigot Size (mm)	1,060x178		1,360x178		1,360x178		1,560x178		1,560x178			
Dimensions	Height (mm)	250										
	Width (mm)	1,100			1,400				1,600			
	Depth (mm)	732				732				732		
Weight (kg)	30		39		40		44		44			

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		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		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)	1,102x330						1,100x420						
Supply Air Spigot Size (mm)	921x250						1,100x340						
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 Power 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)	Liquid: t 0.8				Liquid: t 0.8		Liquid: t 0.8		Liquid: t 0.8		
	Gas: t 0.8				Gas: t 0.8		Gas: t 1.0		Gas: 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 Pressure 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)	Liquid: t 0.8										
	Gas: 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-RP250YKYM						
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 Power 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								
Max. Piping Length (m)	75		75								
Max. Height Difference (m)	30										
Pipe Size OD (mm)	Liquid: ø9.52				Liquid: ø9.52		Liquid: ø9.52				
	Gas: ø25.4				Gas: ø25.4		Gas: ø22.2				
Thickness (mm)	Liquid: t 0.8										
	Gas: 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 DB, 19°C WB
Outdoor: 35°C DB
- Heating - Indoor: 20°C DB
Outdoor: 7°C DB, 6°C WB
- Refrigerant piping length (one-way): 5m
- * Above specifications are for outdoor units only.
- * For PUHZ-RP250YKM: 7.5m

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



For more information contact

www.mitsubishielectric.com.au

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Products in this brochure contain refrigerant R410A. Please refer to the specifications before installation and servicing of these products. 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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