MITSUBISHI ELECTRIC

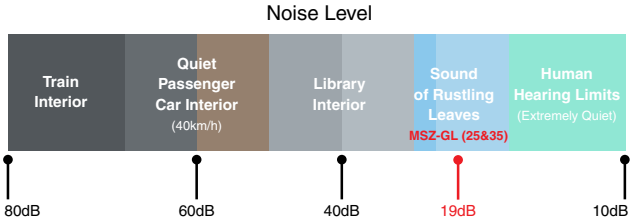
Ducted Air Conditioning

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.

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 todays marketplace in heating, cooling and air-conditioning for the home or office.

#**works**for**me**

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 it's design guarantees ease of installation.
- Provides optimum air conditioning efficiency and comfort.

PEAD Series

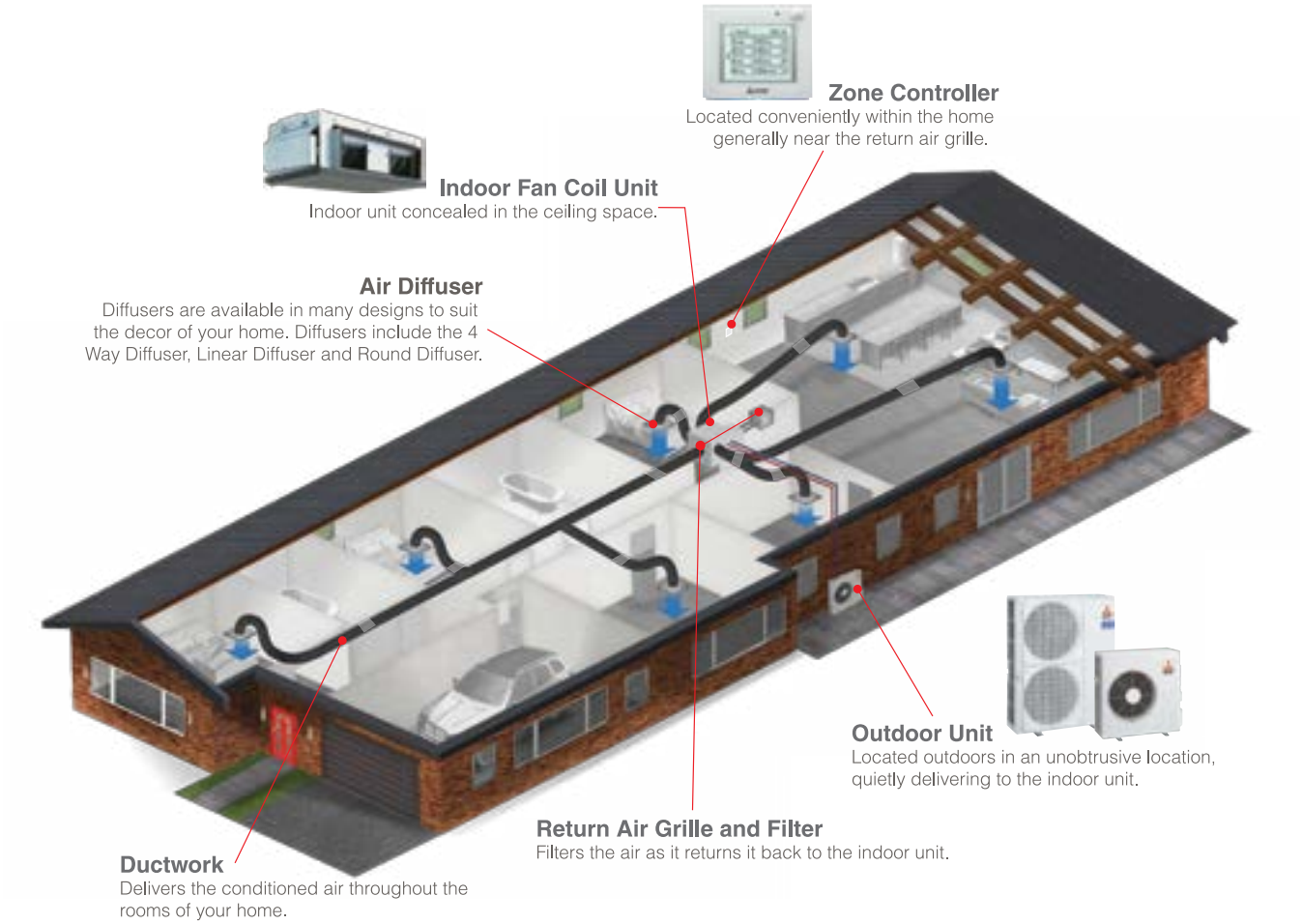
- A wide range of static pressures that allows airflow to be directed to different areas of your home or office with ease.
- Ideal for heating or cooling multiple rooms.
- The solution for buildings with low ceiling space.
  (as low as 250mm)

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)

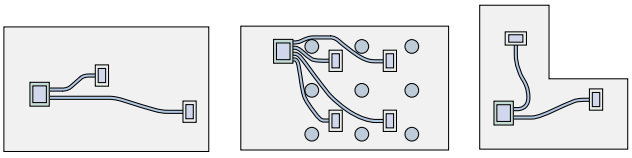
Outdoor Units

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 is now possible at lower speeds. Comfort is improved while power consumption is reduced.



Freedom in Installation

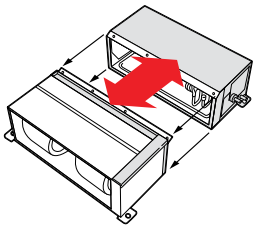
Versatile and easy installation is possible, for example, it is possible to adjust the distance between the air-intake and the air-outlet vents to create the optimal airflow configuration



Long rectangular room | **Room with fixed ceiling fixtures** | **L-shaped room**

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.

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-32MAA, 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-32MAA 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-32MAA 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

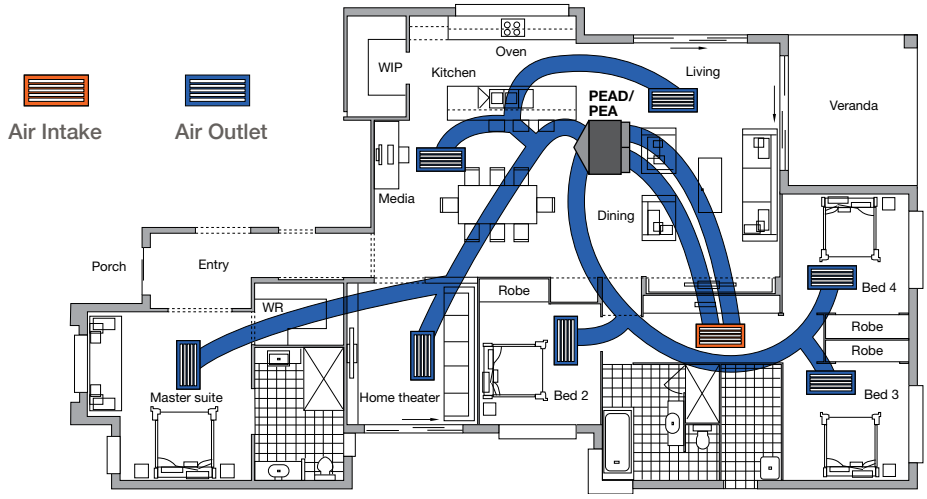
To simplify operation of the system, the range of controls has been limited to On/Off, mode, room temperature, fan speed and additional vane control for high walls, cassettes, and under ceilings units. The ability to sense the room ambient via the inbuilt thermostat. This means you are sensing the actual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

ZONE CONTROLLER

Mitsubishi Electric introduces the Zone Controller that 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 & 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
- Averaging Sensor Control
- Energy Save Control
- Easy Operation
- Wi-Fi Control (MAC-559IF adapter 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-559IF-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 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)	660×150		860×150				1,060×150			
Dimensions Height	(mm)	200		200				200			
Dimensions Width	(mm)	790		990				1,190			
Dimensions 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-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	
	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)	30				39		40		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	
	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					

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 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

MITSUBISHI ELECTRIC

For more information contact

www.mitsubishielectric.com.au

Call 1300 722 228

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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. PRINTED: DECEMBER 2016