



# Ducted Air Conditioning





## Changes for the Better

Mitsubishi Electric has been an integral part of Australian households for more than 45 years, providing high-quality, innovative products.

We pride ourselves on understanding Australian households and delivering products tailored to meet their needs.

MITSUBISHI ELECTRIC  
**#worksforME**



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# Why Choose Mitsubishi Electric?

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

## Quality & Reliability

When it comes to comfort, efficiency and durability, Mitsubishi Electric is distinctive, and in a very good way. We call it MEQ – Mitsubishi Electric Quality. The MEQ standard results in product tested in accordance with the Mitsubishi Electric standard, it's simply a different standard of testing. Every Mitsubishi Electric air conditioner for each production line, is placed on a testing rig and undergoes a variety of stringent tests before leaving the factory.

## Flexible Choice

Mitsubishi Electric air conditioners range from wall mounted, floor standing, ceiling concealed, ceiling cassettes to ceiling suspended units; offering end-users flexibility, with a wide range of options to satisfy most application requirements.

## After Sales Service & Spare Parts

We pride ourselves on our local after sales support, including in-house technical support and spare parts support.

## Peace of Mind

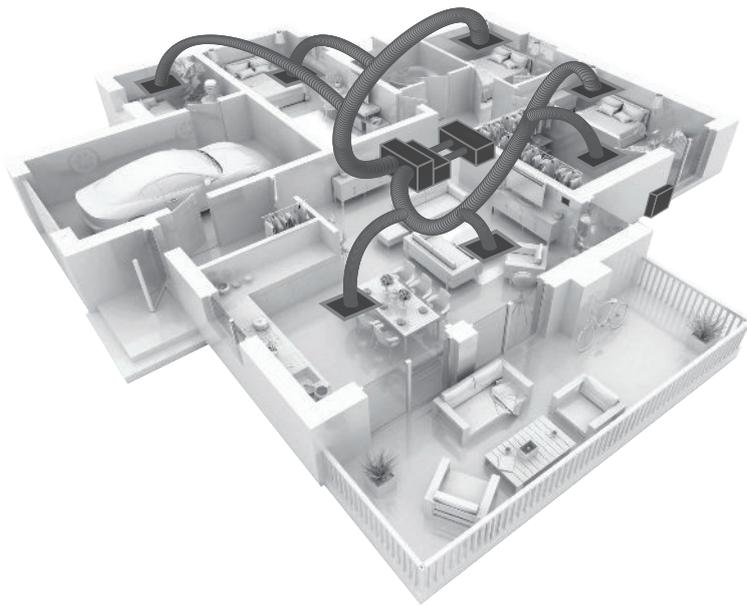
Mitsubishi Electric air conditioners deliver reliable performance year in, year out. When used in residential applications, Mitsubishi Electric air conditioners are covered by a full 5 year parts and labour warranty.



# Benefits of Ducted Air

Mitsubishi Electric ducted air conditioning is climate control at the touch of a button. It provides a central air conditioning solution to maintain total comfort throughout the whole home.

Ducted air conditioning starts with an indoor unit subtly installed in the ceiling, circulating conditioned air throughout the home. The outdoor unit is installed neatly on the side of the house, where there is plenty of free space on either side to allow for airflow and easy access for maintenance.



## Flexibility

Versatile installation options with distance variations of the air in-take and air-outlet. Ducted air conditioning allows cool or warm air to flow throughout the home.

## Design

Ducted air conditioning provides a discreet solution, with subtle usage of a range of diffusers, return air grilles and controllers, allowing for sleek installation that can seamlessly integrate into a space, without interfering with interior décor.

## Zone Control

Upgrading to a zone controller gives the option of up to 4 or 8 zones, to provide control to different rooms of the home.

## Concealed

Ducted air is an effective and convenient solution, with unobtrusive installation in the ceiling cavity or bulkhead space. This whole home application can be connected to up to 8 zones to distribute air where it is needed, whilst being hidden from view with subtle diffusers or grilles.

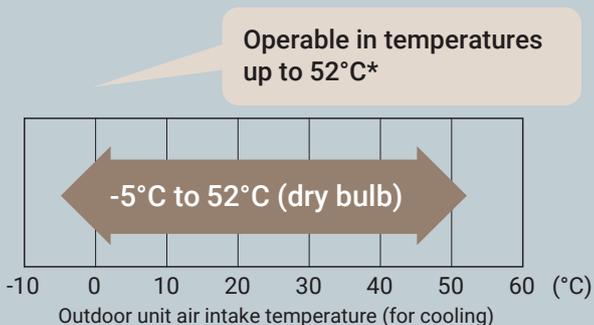
# Technology

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

## Guaranteed Operating Range

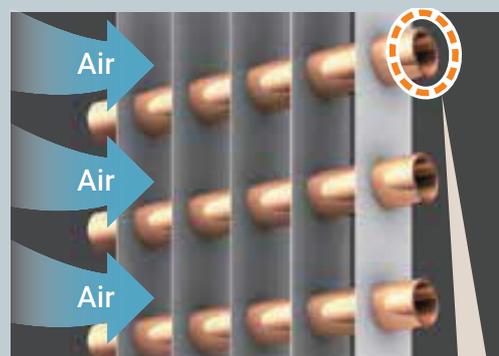
With the harsh Australian environment, it is comforting to know that your air conditioner will continue to operate with a guaranteed operating range of  $-5^{\circ}\text{C}$  to  $52^{\circ}\text{C}^*$ . This means your air conditioner will continue to operate when you need it most.

\*SUZ-M25-71, PUZ-ZM71-250 models only.



## Heat Exchanger

Multi row heat exchanger for highly efficient transfer, for rapid heating and cooling of your home.



Round-tube shape

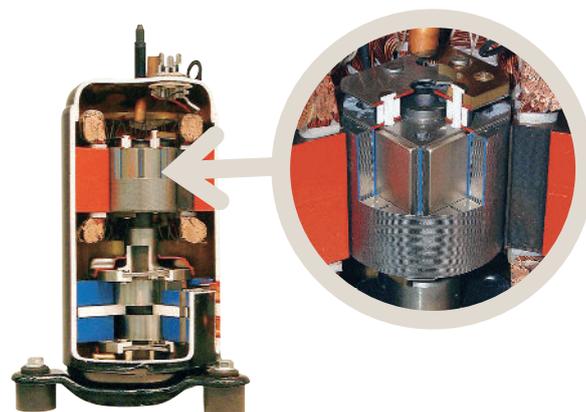
## Cleaning-Free Pipe Re-use Technology\*1

The Mitsubishi Electric clean free piping re-use technology allows the re-use of existing refrigerant pipe which may reduce the installation costs by eliminating the need to replace existing pipework. The system is fitted with a 'wide strainer' which captures iron particles and prevents them from entering the outdoor unit.

\*1 Please contact your local dealer for details.

## Indoor Unit DC Fan Motor

Efficiency of the DC motor is much higher than an equivalent AC motor. The closed type design conceals the electrical windings which increases safety.



## Outdoor Unit DC Scroll Compressor

Compressors can be described as the heart of an air conditioner, that pump the refrigerant around the system which heats or cools your home. Mitsubishi Electric utilises DC scroll compressors with the addition of a frame compliance mechanism, this technology reduces the internal friction of the compressor which increases its overall efficiency.

## Fan Speed & ESP

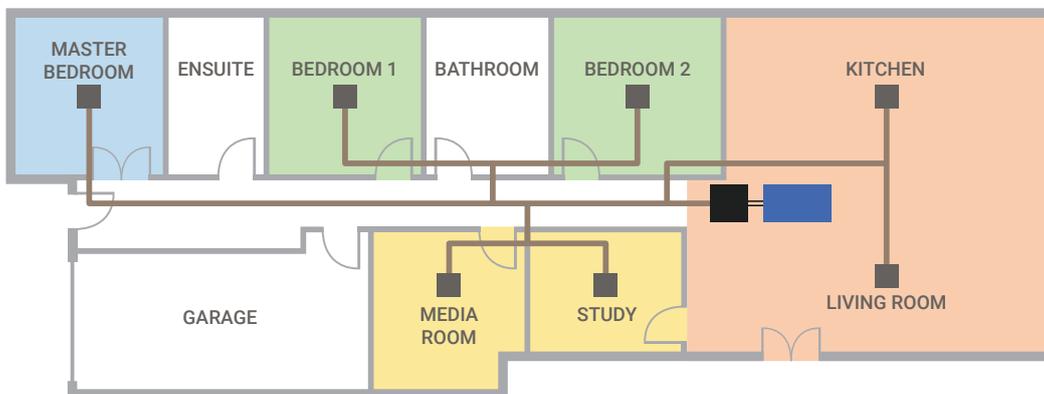
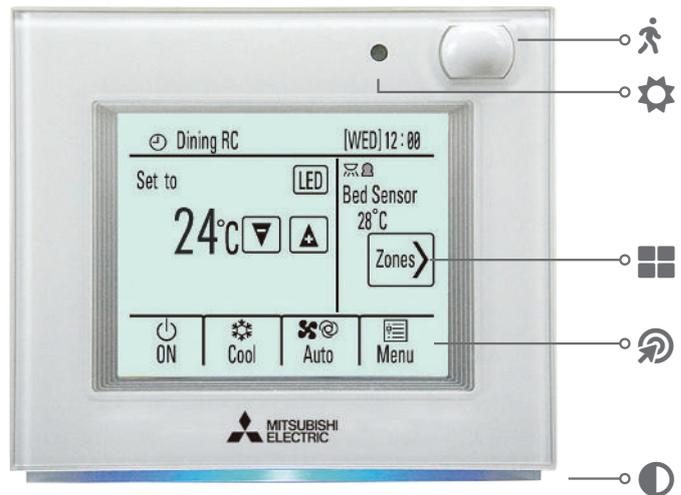
Multiple choices of static pressure allowing settings for ducted systems flexibility of airflow volume.

# Zone Controller

## What is Zoning?

Zoning is the ability to turn off a section of your ducted air conditioning system when not in use.

The Mitsubishi Electric Zone Controller expands functionality, delivering conditioned air where you want it in the home/office. With the ability of creating up to 4 or 8 separate zones, why condition air in unoccupied areas?



### Occupancy Sensor

If motion is undetected the air conditioner switches to energy saving mode.

### Brightness Sensor

Day and time settings can be combined with the brightness sensor to automatically turn the air conditioner off when lights are switched off.

### Up to 4 or 8 Zones

The Zone Controller makes it possible to distribute conditioned air to where you need it in your home/office. With the ability of creating up to 4 or 8 separate zones. Unoccupied spaces can be prevented from receiving airflow, reducing power consumption in unnecessary areas.

### Touch Panel

A 4.3" easy to use touch panel with backlight.

### LED Indicator

A colour band indicates the operating mode or can be configured to other settings. i.e. Off/Temperature/Colour preference.

### Weekly Timer

Zone Controller allows setting weekly schedule for unit On/Off, modes, set temperature and also zones On/Off. Up to eight operation patterns can be scheduled for each day.

### Averaging Sensor Control

Zone Controller allows having 4 sensors in the system. Control of the unit is based on averaging of the sensors of the active zone.

# Control your Comfort

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 a wide variety of controls by Mitsubishi Electric Australia, not only provides you with a selection to personalise your air conditioning system, but also increases flexibility in the way you use your unit.

## Wi-Fi CONTROL



## Wi-Fi Control\*1

Unlock the door to smarter heating and cooling systems through your Split and Ducted systems, 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.

### Features:

- Adjusting set temperature
- Changing mode
- Fan speed
- Auto-Off
- Zone Control

## Voice Control

Mitsubishi Electric air conditioning systems connected with Wi-Fi Control\*1 are Amazon Alexa\*2 and Google Assistant\*3 enabled. This means you can enjoy hands-free control.

\*1 Optional Wi-Fi adapter required per unit.

Requires an internet connection and the App downloaded on your smartphone or tablet with the latest operation system available.

\*2 To use Amazon Alexa to control your air conditioner you will need an Amazon Alexa Echo device.

\*3 To use Google Assistant to control your air conditioner you will need a Google Home Smart speaker.

## Develop Operating Rules

Tailor your system to meet your specific needs and 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.





PAR-41MAA



PAR-SL97A-E



PAR-CT01MAA-PB

## 7 Day Wired Controller

### PAR-41MAA

A large easy to read display with backlit LCD.

#### Features:

- Weekly timer – 8 patterns up to 7 days
- Auto-off timer
- Temperature range restriction – Limit minimum and maximum to prevent over heating/cooling
- Operation lock
- Multi Language (EN/FR/DE/ES/IT/PT/SV/RU)

## Handheld Controllers

### PAR-SL97A-E

With an easy to read display and a variety of operating modes at the touch of a button. This controller features On/Off timer to set operating times on a daily basis.

#### Features:

- 24 hour timer
- Setpoint temperature adjustment
- Fan speed adjustment
- Mode selection

\*Optional receiver PAR-SA9CA-E required.

## Bluetooth\* Touch Screen Controller

### PAR-CT01MAA-S/SB/PB

A full colour 3.5" touch LCD display suitable for both residential and commercial applications. Remote controller can communicate with smartphone or tablet device via Bluetooth Low Energy (BLE).

#### Features:

- Logo/photo image customisation
- White or Premium Black finishes
- 180 colour patterns available
- Customisable display
- Multilingual support: The smartphone app can be displayed in the language that the user's smartphone is set to

\*Available for PAR-CT01MAA-SB and PAR-CT01MAA-PB.

# Indoor Units



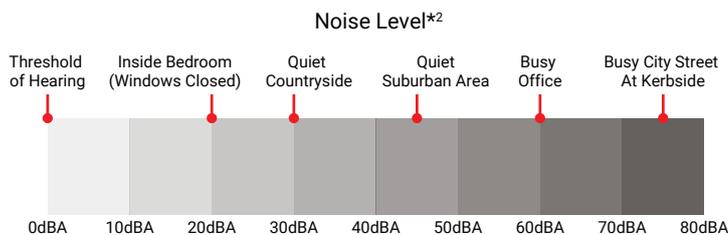
## SEZ-M Series

### Bulkhead

- Capacity Range: 2.5/3.5/5.0/6.0/7.1kW
- Unit Height: 200mm
- External Static Pressure: 5/15/35/50Pa
- Designed for homes, offices, restaurants and shops

### Impressively Quiet

With the sound of rustling leaves measuring at 20dBA, the Mitsubishi Electric SEZ Series (25/35 models) offers impressively quiet operation at a hushed 23dBA\*<sup>1</sup>; ensuring a calm and comfortable environment.



\*<sup>1</sup> The sound level for SEZ - is measured in an anechoic chamber, testing standard ISO 3745:2003.

\*<sup>2</sup> Source: NSW EPA.

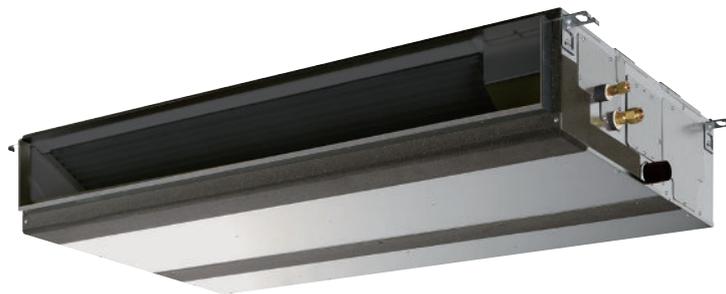
### DC Fan Motor

Efficiency of the DC motor is much higher than an equivalent AC motor. The closed type design conceals the electrical windings which increases safety.

### Discreet Design

The compact design requires minimal space with a height of only 200mm, ideal for installation in buildings with lower ceilings. The design allows for discreet installation with the air intake and outlet grilles visible maintaining your home or office with clean lines for interior décor.





## PEAD-M Series

### Low Profile Mid-Static Ceiling Concealed

- Capacity Range: 5.0/6.0/7.1/10.0/12.0/14.0kW
- Unit Height: 250mm
- Lightweight for ease of installation
- Built-in condensate pump

For elegance and style, the PEAD Series compliments the room environment with an aesthetically pleasing ceiling installation and high-pressure static fan.

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### Compact Design

The height of the PEAD Series (5.0kW-14.0kW) has been unified to 250mm making installation possible in low ceilings with minimal clearance space. It has variable airflow settings to establish the best operation to match different room layouts. The drainage pump lift is 700mm from the lower surface of the indoor units main body. The solution for low ceiling space, as low as 250mm.

### Wide Selection of Fan Speeds and External Static Pressure

The PEAD Series has five-stage external static pressure conversions and three fan speed options, giving you flexibility in comfort options. PEAD Series is designed for human comfort in mind and can be installed in a wide range of building types with broad static pressures requirements ranging from 35 to 125Pa.



## PEA-M GAA Series

- Capacity Range: 10.0/12.5/14.0kW
- Unit Dimensions (mm): 1,400 (W) x 634 (D) x 400 (H)
- External Static Pressure: 50/100/150Pa

The GAA Series is a range of high static pressure units, with increased variation in airflow options.

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### Flexibility in Design

A flexible duct design and increased variation in airflow options allow operation that best matches room layouts.

### Ideal Airflow

It is possible to adjust distance between air intake and outlets for optimal airflow. With high static pressures (150Pa), GAA Series units are applicable to a wide range of building types and applications.

### Optional Zone Controller

Upgrading to an optional zone controller gives the option of up to 4 or 8 zones, to provide control to different rooms of the home. Zone Controller is compatible with the optional Wi-Fi Control interface and app.





## PEA-M HAA Series

### 2 Piece Construction



- Capacity Range: 10.0/12.5/14.0/16.0kW
- Unit Dimensions (mm): 1,405 (W) x 900 (D) x 380 (H)
- External Static Pressure: 50/100/150Pa

### Ease of Installation

The indoor unit can be separated into the fan deck and heat exchanger for ease of transportation and installation into ceiling space. Ideal for the re-modelling of existing homes into roof trusses, thanks to the two-piece construction.

### Ease of Maintenance

With 2-way maintenance access, regular maintenance is easy. Even when the unit is installed near the ceiling and inaccessible from the bottom, the unit is accessible from another side.

### Wide Selection of Fan Speeds and External Static Pressure

The HAA Series models incorporate three-stage external static pressure conversions and four fan speed selections, offering the ultimate in comfort solutions. The HAA Series features a maximum static pressure of 150 Pa, which allows longer ductwork and is suitable for a wide range of building types.



## PEA-M LAA Series



- Capacity Range: 18.0/20.0/24.5kW
- Unit Dimensions (mm): 1,370 (W) x 1,120 (D) x 470 (H)
- External Static Pressure: 75/100/150/200/250Pa

### 2 Piece Construction

This ducted fan coil has a two-piece construction, which allows for the separation of the indoor unit heat exchanger and the fan deck assembly. This is beneficial for installation into the roof space, for greater room capacities and increased variation in airflow; providing operation that suits most room layouts.

### Low Power Input with New Fan Design

The PEA-M LAA Series fan motor has been upgraded with a maximum external static pressure of up to 250 Pa and has four fan speed settings. We can achieve this with a newly designed patented Turbo In Sirocco fan that delivers high efficiency with lower power input.

### Wide Selection of Fan Speeds and External Static Pressure

The LAA Series models incorporate five-stage external static pressure conversions and four fan speed selections, offering the ultimate in comfort solutions. The LAA Series features a maximum static pressure from 75 to 250 Pa, which allows longer ductwork and is suitable for a wide range of building types.



# Functions List

Category	Combination	Ducted							
	Indoor Unit	SEZ-M 25/35/50/60/71	PEAD-M50/60/ 71JAAD	PEAD-M100/ 125/140JAAD	PEA-M100/ 125/140GAA	PEAD-M71/100/ 125/140JAAD	PEA-M100/ 125/140GAA	PEA-M100/125/ 140/160HAA	PEA-M180/ 200/250LAA
	Outdoor Unit	SUZ-M	SUZ-M	PUZ-M	PUZ-M	PUZ-ZM	PUZ-ZM	PUZ-ZM	PUZ-ZM
Technology	DC Inverter	●	●	●	●	●	●	●	●
	Reluctance DC Rotary Compressor	●	●	●	●	71	-	-	-
	Highly Efficient DC Scroll Compressor			-	-	●	●	●	●
	DC Fan Motor	●	●	●	●	●	●	●	●
	Vector-Wave Eco Inverter	-	-	●	●	●	●	●	●
	PAM (Pulse Amplitude Modulation)	●	●						-
	Power Receiver and Twin LEV Control	-	-	●	●	●	●	●	●
	Grooved Piping	●	●	●	●	●	●	●	●
Energy Saving	Demand Function	-	-	○	○	○	○	○	○
	Demand Response Capable	●	●	●	●	●	●	●	●
Quality	Long-Life Filter	-	●	●	-	●	-	-	-
	Filter Check Signal	-	●	●	-	●	-	-	-
	Auto Fan Speed Mode	●	-	-	-	-	-	-	-
Convenience	On/Off Operation Timer	●	●	●	●	●	●	●	●
	Auto Change Over	●	●	●	●	●	●	●	●
	Auto Restart	●	●	●	●	●	●	●	●
	Low-Temperature Cooling	●	●	●	●	●	●	●	●
	Low-Noise Operation (Outdoor Unit)	●	●	●	●	●	●	●	●
System Control	PAR-41MAA Control	○	○	○	○	○	○	○	○
	PAC-YT52CRA Control	○	○	○	○	○	○	○	○
	Centralised On/Off Control	○	○	○	○	○	○	○	○
	System Group Control	○	○	○	○	○	○	○	○
	M-NET Connection	○	○	○	○	○	○	○	○
Installation	Cleaning-Free Pipe Re-Use	●	●	●	●	●	●	●	●
	Reuse of Existing Wiring	-	-	○	○	○	○	○	○
	Drain Pump	○	○	●	-	●	-	-	○
	Pump Down Switch	-		●	●	●	●	●	●
	Flare Connection	●	●	●	●	●	●	●	●
Maintenance	Self-Diagnosis Function (Check Code Display)	●	●	●	●	●	●	●	●
	Failure Recall Function	●	●	●	●	●	●	●	●

● Standard ○ Optional - Not Available

# Outdoor Units



## Inverter

### SUZ-M Series

- Capacity Range: 2.5/3.5/5.0/6.0/7.1kW
- Single Phase only

SUZ-M Series outdoor units are now available in R32 refrigerant, making it more energy efficient compared to previous R410A models. Ideal for residential and light commercial applications. i.e. shop front applications, SUZ-M Series works with a broad range of indoor units, perfect for many interior designs.

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## Compact Design

The compact design allows the SUZ-M units to be more versatile, with the ability to fit into small spaces where limited room is an issue.

## Easier Transportation & Installation

The SUZ-M50 has an 18% reduction in height and a 24% reduction in weight, compared to the previous model. Facilitating easier transportation and installation.

## Guaranteed Operating Range

-5(-10)°C\* to 52°C (Cooling), -10°C to 24°C (Heating) (SUZ-M25-35).  
-5(-15)°C\* to 52°C (Cooling), -10°C to 24°C (Heating) (SUZ-M50-71).  
Continue to operate when you need it most.

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





## Inverter

### PUZ-M Series

- Capacity Range: 10.0/12.5/14.0kW
- Single Phase only

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### Compact Design

With a new compact design that is suitable for smaller spaces, installation is more flexible and less obtrusive. The compact nature of the PUZ-M Series also makes transportation and handling easier. (Models PUZ-M100/125 only)

### R32

R32 enables increased energy efficiency compared to R410A, with just one third of the global warming potential, the risk of environmental harm is greatly reduced.

### Full Inverter

The Full Inverter ensures a high level of performance, including the finer control of operation frequency. As a result, improved power management is applied in all heating/cooling ranges and improved comfort is achieved while consuming less energy.

### Guaranteed Operating Range

-5(-15)°C\* to 46°C (Cooling), -5°C to 21°C (Heating).  
Continue to operate when you need it most.

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



## Power Inverter

### PUZ-ZM Series

- Capacity Range: 7.1\*<sup>1</sup>/10.0/12.5/14.0kW
- Single & Three Phase

Ideal for larger homes or medium to large offices, the Power Inverter boasts all of the technological advances of the Compact Inverter with further design features that reduce power consumption and make it ideally suited to commercial applications.

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### Energy Efficiency

Mitsubishi Electric developed the unique 'Poki-Poki motor' in Japan. This innovative motor operates based on high density, high magnetic force, leading to high efficiency and reliability. Utilising the DC motor driving the outdoor unit, efficiency is much higher than an equivalent AC motor. One of the most energy efficient combinations in the market\*<sup>2</sup>.

### Guaranteed Operating Range

-5(-15)°C\*<sup>3</sup> to 52°C (Cooling), -20°C to 21°C (Heating).  
Continue to operate when you need it most.

\*<sup>1</sup> 7.1kW is single phase only.

\*<sup>2</sup> ZM Series with the GAA Indoor based on EER and COP values.

\*<sup>3</sup> Optional air protection guide is required where ambient temperature is lower than -5°C.





## Power Inverter

### PUZ-ZM Series

- Capacity Range: 16.0/18.0/20.0/24.5kW
- Single & Three Phase (20.0/24.5kW Three Phase only)

Mitsubishi Electric introduces Mr Slim Power Inverter PUZ-ZM series outdoor units with R32 refrigerant from 16kW to 24.5 kW. The 16.0 kW and 18.0 kW units are available with either single phase or three phase power supply, making the 18.0 kW model one of the largest single phase available in the market.

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### New Side Discharge Outdoor Unit

The Mr Slim outdoor PUZ-ZM250YKA-A is now a side discharge unit with twin fans, compared to the previous PUZ-RP250YKM-A top discharge unit. The new design is 1,338mm high and 139kg, making it possible to install the outdoor unit in discrete locations and easier to transport to sites.

### Long Pipe Lengths

The Mr Slim outdoor units feature power inverter technology with superior turndown capacity and long piping lengths up to 100m for PUZ-ZM200/250YKA-A. For installations with a pipe length of 50m or less, it is possible to use 7/8" soft drawn copper pipe for Mr Slim outdoor units PUZ-ZM200/250YKA-A. These two models do not require additional refrigerant charge when the installed pipe length is 50m or less and helps reduce installation cost and time.

### Guaranteed Operating Range

-5(-15)°C\* to 52°C (Cooling), -20°C to 21°C (Heating).  
Continue to operate when you need it most.

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

# Product Specifications



SEZ-M Series (Bulkhead)								
Indoor Unit		SEZ-M25DA(L)*4	SEZ-M35DA(L)*4	SEZ-M50DA(L)*4	SEZ-M60DA(L)*4	SEZ-M71DA(L)*4		
Outdoor Unit		SUZ-M25VAD-A	SUZ-M35VAD-A	SUZ-M50VAD-A	SUZ-M60VAD-A	SUZ-M71VAD-A		
Refrigerant		R32						
Power Supply (V, Phase, Hz)		230 V, Single, 50/60 Hz, Outdoor unit supply						
Cooling	Capacity [Min-Rated*5-Max]	kW	1.50 - 2.50 - 3.30	1.50 - 3.50 - 4.00	2.30 - 5.00 - 6.30	2.30 - 6.00 - 6.50	2.80 - 7.10 - 8.30	
	Total Input [Rated]*5	kW	0.70	1.01	1.40	1.73	2.14	
	EER/AEER*1		3.57/3.45	3.46/3.39	3.57/3.51	3.46/3.41	3.31/3.27	
	Running Current [Rated]*5	A	3.70	4.70	6.40	7.60	9.40	
	Sound Pressure Level*2	In (Lo-Mid-Hi)	dBA	22 - 25 - 29	23 - 28 - 33	29 - 33 - 36	29 - 33 - 37	29 - 34 - 39
		Out (PWL)	dBA	45 (59)	48 (63)	48 (66)	49 (68)	49 (68)
	Air Volume (In) Lo-Mid-Hi	L/s	92 - 117 - 150	117 - 150 - 183	167 - 208 - 250	200 - 250 - 300	200 - 267 - 333	
Heating	Capacity [Min-Rated*5-Max]	kW	1.30 - 3.00 - 4.20	1.30 - 4.00 - 5.00	1.70 - 6.00 - 7.20	2.50 - 7.00 - 8.00	2.60 - 8.00 - 10.40	
	Total Input [Rated]*6	kW	0.78	1.11	1.66	2.0	2.22	
	COP/ACOP*1		3.44/3.35	3.60/3.53	3.61/3.57	3.50/3.45	3.60/3.55	
	Running Current [Rated]*6	A	4.30	5.00	7.50	8.70	9.70	
	Sound Pressure Level*2	In (Lo-Mid-Hi)	dBA	22 - 25 - 29	23 - 28 - 33	29 - 33 - 36	29 - 33 - 37	29 - 34 - 39
		Out (PWL)	dBA	59 (59)	62 (63)	64 (66)	65 (68)	66 (68)
	Air Volume (In) Lo-Mid-Hi	L/s	92 - 117 - 150	117 - 150 - 183	167 - 208 - 250	200 - 250 - 300	200 - 267 - 333	
Max. Running Current	A	7.20	9.00	16.10	15.50	15.70		
Indoor Unit	Input [Rated]	kW	0.04	0.05	0.07	0.07	0.10	
	Dimensions [HxWxD]	mm	200 x 790 x 700	200 x 990 x 700	200 x 990 x 700	200 x 1190 x 700	200 x 1190 x 700	
	Weight [Panel]	kg	17.5	21.0	22.0	25.5	25.5	
	Static Pressure	Pa	5/15/35/50	5/15/35/50	5/15/35/50	5/15/35/50	5/15/35/50	
Outdoor Unit	Dimensions [HxWxD]	mm	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285	880 x 840 x 330	880 x 840 x 330	
	Weight	kg	30.0	35.0	41.0	54.0	55.0	
	Breaker Size	A	10	10	20	20	20	
Ext. Piping	Diameter [Liquid/Gas]	mm	ø6.35/ø9.52	ø6.35/ø9.52	ø6.35/ø12.70	ø6.35/ø15.88	ø9.52/ø15.88	
	Max. Length/Height	m	20/12	20/12	30/30	30/30	30/30	
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-10 ~ 52	-10 ~ 52	-15 ~ 52	-15 ~ 52	-15 ~ 52	
	Heating	°C	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24	
Supply Air Duct	mm	660 x 150	860 x 150	860 x 150	1060 x 150	1060 x 150		
Return Air Duct	mm	660 x 157.5	860 x 157.5	860 x 157.5	1060 x 157.5	1060 x 157.5		
Pre-Charge Refrigerant	kg	0.65 (7m)	0.90 (7m)	1.20 (7m)	1.25 (7m)	1.45 (7m)		
Additional Refrigerant	g/m	20	20	20	20	40		

## Notes:

- \*1 MEPS compliant.
- \*2 Sound pressure level measured in anechoic room at 1m.
- \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.
- \*4 For wireless controller option, use SEZ-M DAL (include wireless controller).  
For wired controller option, use SEZ-M DA (exclude wired controller which should be ordered separately).

## Rating Conditions:

- \*5 Cooling: Indoor 27°CDB/19°CWB  
Outdoor 35°CDB/24°CWB
- \*6 Heating: Indoor 20°CDB/15°CWB  
Outdoor 7°CDB/6°CWB



PEAD-M Series (Ceiling Concealed)								
Indoor Unit		PEAD-M50JAAD	PEAD-M60JAAD	PEAD-M71JAAD	PEAD-M100JAAD	PEAD-M125JAAD	PEAD-M140JAAD	
Outdoor Unit		SUZ-M50VAD-A	SUZ-M60VAD-A	SUZ-M71VAD-A	PUZ-M100VKA	PUZ-M125VKA	PUZ-M140VKA	
Refrigerant		R32						
Power Supply (V, Phase, Hz)		V: 230 V, Single-phase, 50/60 Hz			V: 230 V, Single-phase, 50 Hz			
Cooling	Capacity [Min-Rated*4-Max]	kW	2.30 - 5.00 - 6.20	2.30 - 6.00 - 6.50	2.80 - 7.10 - 8.10	4.00 - 10.00 - 10.60	6.00 - 12.00 - 13.50	6.20 - 14.00 - 15.30
	Total Input [Rated]*4	kW	1.33	1.72	1.98	3.06	3.83	4.40
	EER/AEER*1		3.75/3.70	3.48/3.43	3.58/3.53	3.26/3.13	3.13/3.03	3.18/3.09
	Running Current [Rated]*4	A	6.00	7.50	8.70	14.10	17.80	20.40
	Sound Pressure Level*2	In (Lo-Mid-Hi)	dBA	30 - 35 - 39	30 - 33 - 37	30 - 34 - 39	33 - 38 - 42	36 - 40 - 44
Out (PWL)		dBA	48 (64)	49 (65)	49 (66)	52 (71)	54 (72)	53 (71)
Air Volume (In) Lo-Mid-Hi		L/s	200 - 242 - 283	242 - 300 - 350	292 - 350 - 417	400 - 483 - 567	492 - 592 - 700	533 - 650 - 767
Heating	Capacity [Min-Rated*5-Max]	kW	1.70 - 6.00 - 7.40	2.80 - 7.00 - 8.00	2.60 - 8.00 - 10.20	2.80 - 12.50 - 12.50	4.10 - 14.00 - 15.50	5.70 - 16.00 - 18.00
	Total Input [Rated]*5	kW	1.44	1.85	2.00	3.35	3.68	4.30
	COP/ACOP*1		4.16/4.09	3.78/3.72	4.00/3.93	3.73/3.59	3.80/3.67	3.72/3.61
	Running Current [Rated]*5	A	6.40	8.10	8.80	16.50	17.10	20.00
	Sound Pressure Level*2	In (Lo-Mid-Hi)	dBA	30 - 35 - 39	30 - 33 - 37	30 - 34 - 39	33 - 38 - 42	36 - 40 - 44
Out (PWL)		dBA	49 (66)	51 (68)	51 (68)	54 (72)	56 (74)	54 (72)
Air Volume (In) Lo-Mid-Hi		L/s	200 - 242 - 283	242 - 300 - 350	292 - 350 - 417	400 - 483 - 567	492 - 592 - 700	533 - 650 - 767
Max. Running Current		A	14.50	15.80	16.10	29.00	29.30	29.64
Indoor Unit	Input [Rated] (Cooling/Heating)	kW	0.11/0.09	0.12/0.10	0.17/0.15	0.25	0.36	0.39
	Dimensions [HxWxD]	mm	250 x 900 x 732	250 x 1100 x 732	250 x 1100 x 732	250 x 1400 x 732	250 x 1400 x 732	250 x 1600 x 732
	Weight	kg	27.0	30.0	30.0	39.0	40.0	44.0
	Static Pressure	Pa	35/50/70/100/125	35/50/70/100/125	35/50/70/100/125	35/50/70/100/125	35/50/70/100/125	35/50/70/100/125
Outdoor Unit	Dimensions [HxWxD]	mm	714 x 800 x 285	880 x 840 x 330	880 x 840 x 330	981 x 1050 x 330 (+40)	981 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)
	Weight	kg	41.0	54.0	55.0	76.0	84.0	99.0
	Breaker Size	A	20	20	20	32	32	40
Ext. Piping	Diameter [Liquid/Gas]	mm	ø6.35/ø12.70	ø6.35/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88
	Max. Length/Height	m	30/30	30/30	30/30	55/30	55/30	55/30
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-15 ~ 52	-15 ~ 52	-15 ~ 52	-15 ~ 46	-15 ~ 46	-15 ~ 46
	Heating	°C	-10 ~ 24	-10 ~ 24	-10 ~ 24	-15 ~ 21	-15 ~ 21	-15 ~ 21
Supply Air Duct		mm	860 x 178	1060 x 178	1060 x 178	1360 x 178	1360 x 178	1560 x 178
Return Air Duct		mm	858 x 210	1058 x 210	1058 x 210	1358 x 210	1358 x 210	1558 x 210
Pre-Charge Refrigerant		kg	1.20 (7m)	1.25 (7m)	1.45 (7m)	3.1 (30m)	3.6 (30m)	4.0 (55m)
Additional Refrigerant		g/m	20	20	40	40	40	N/A

**Notes:**

- \*1 MEPS compliant.
- \*2 Sound pressure level measured in anechoic room at 1m.
- \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

**Rating Conditions:**

- \*4 Cooling: Indoor 27°CDB/19°CWB  
Outdoor 35°CDB/24°CWB
- \*5 Heating: Indoor 20°CDB/15°CWB  
Outdoor 7°CDB/6°CWB

# Product Specifications



PEAD-M Series (Ceiling Concealed)										
Indoor Unit		PEAD-M71JAAD	PEAD-M100JAAD			PEAD-M125JAAD		PEAD-M140JAAD		
Outdoor Unit		PUZ-ZM 71VHA-A	PUZ-ZM 100VKA-A	PUZ-ZM 100YKA2-A	PUZ-ZM 125VKA	PUZ-ZM 125YKA	PUZ-ZM 140VKA	PUZ-ZM 140YKA		
Refrigerant		R32								
Power Supply (V, Phase, Hz)		V: 230 V, Single-phase, 50 Hz Y: 400 V, Three-phase, 50 Hz								
Cooling	Capacity [Min-Rated*4-Max]	kW	3.30 - 7.10 - 8.10	4.90 - 10.00 - 11.40	4.90 - 10.00 - 11.40	5.50 - 12.50 - 14.00	5.50 - 12.50 - 14.00	6.20 - 14.00 - 15.30	6.20 - 14.00 - 15.30	
	Total Input [Rated]*4	kW	1.85	2.67	2.67	3.66	3.66	4.37	4.37	
	EER/AEER*1		3.83/3.63	3.74/3.60	3.74/3.54	3.41/3.32	3.41/3.28	3.20/3.13	3.20/3.09	
	Running Current [Rated]*4	A	8.30	12.20	4.53	16.70	6.10	19.77	7.10	
	Sound Pressure Level*2	In (Lo-Mid-Hi)	dBA	30 - 34 - 39	33 - 38 - 42	33 - 38 - 42	36 - 40 - 44	36 - 40 - 44	40 - 44 - 49	40 - 44 - 49
		Out (PWL)	dBA	47 (67)	49 (69)	49 (69)	50 (70)	50 (70)	50 (70)	50 (70)
Air Volume (In) Lo-Mid-Hi	L/s	292 - 350 - 417	400 - 483 - 567	400 - 483 - 567	492 - 592 - 700	492 - 592 - 700	533 - 650 - 767	533 - 650 - 767		
Heating	Capacity [Min-Rated*5-Max]	kW	3.50 - 8.00 - 10.20	4.50 - 11.20 - 14.00	4.50 - 11.20 - 14.00	5.00 - 14.00 - 16.00	5.00 - 14.00 - 16.00	5.70 - 16.00 - 18.00	5.70 - 16.00 - 18.00	
	Total Input [Rated]*5	kW	1.93	2.80	2.80	3.52	3.52	4.18	4.18	
	COP/ACOP*1		4.14/3.93	4.00/3.86	4.00/3.79	3.97/3.86	3.97/3.81	3.82/3.73	3.82/3.69	
	Running Current [Rated]*5	A	8.80	12.70	4.76	16.00	5.90	18.80	6.70	
	Sound Pressure Level*2	In (Lo-Mid-Hi)	dBA	30 - 34 - 39	33 - 38 - 42	33 - 38 - 42	36 - 40 - 44	36 - 40 - 44	40 - 44 - 49	40 - 44 - 49
		Out (PWL)	dBA	51 (70)	51 (69)	51 (69)	52 (70)	52 (70)	52 (71)	52 (71)
Air Volume (In) Lo-Mid-Hi	L/s	292 - 350 - 417	400 - 483 - 567	400 - 483 - 567	492 - 592 - 700	492 - 592 - 700	533 - 650 - 767	533 - 650 - 767		
Max. Running Current	A	21.18	29.10	14.14	29.30	14.30	31.14	14.64		
Indoor Unit	Input [Rated]	kW	0.17/0.15	0.25/0.23	0.25/0.23	0.36/0.34	0.36/0.34	0.39/0.37	0.39/0.37	
	Dimensions [HxWxD]	mm	250 x 1100 x 732	250 x 1400 x 732	250 x 1400 x 732	250 x 1400 x 732	250 x 1400 x 732	250 x 1600 x 732	250 x 1600 x 732	
	Weight	kg	30.0	39.0	39.0	40.0	40.0	44.0	44.0	
	Static Pressure	Pa	35/50/70/100/125	35/50/70/100/125	35/50/70/100/125	35/50/70/100/125	35/50/70/100/125	35/50/70/100/125	35/50/70/100/125	
Outdoor Unit	Dimensions [HxWxD]	mm	943 x 950 x 300 (+25)	1338 x 1050 x 330 (+40)						
	Weight	kg	70.0	113.0	114.0	113.0	114.0	113.0	114.0	
	Breaker Size	A	25	32	16	32	16	40	16	
Ext. Piping	Diameter [Liquid/Gas]	mm	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	
	Max. Length/Height	m	50/30	75/30	75/30	75/30	75/30	75/30	75/30	
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-15 ~ 52	-15 ~ 52	-15 ~ 52	-15 ~ 52	-15 ~ 52	-15 ~ 52	-15 ~ 52	
	Heating	°C	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	
Supply Air Duct	mm	1060 x 178	1360 x 178	1360 x 178	1360 x 178	1360 x 178	1560 x 178	1560 x 178		
Return Air Duct	mm	1058 x 210	1358 x 210	1358 x 210	1358 x 210	1358 x 210	1558 x 210	1558 x 210		
Pre-Charge Refrigerant	kg	2.8kg (30m)	4.0kg (30m)	4.0kg (30m)	4.0kg (30m)	4.0kg (30m)	4.0kg (30m)	4.0kg (30m)		
Additional Refrigerant	g/m	40	40	40	40	40	70 (up to 60m)*4	70 (up to 60m)*4		

## Notes:

\*1 MEPS compliant.

\*2 Sound pressure level measured in anechoic room at 1m.

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

## Rating Conditions:

\*4 Cooling: Indoor 27°CDB/19°CWB  
Outdoor 35°CDB/24°CWB

\*5 Heating: Indoor 20°CDB/15°CWB  
Outdoor 7°CDB/6°CWB



PEA-GAA Series (Ceiling Concealed)												
Indoor Unit		PEA-M100GAA			PEA-M125GAA			PEA-M140GAA				
Outdoor Unit		PUZ-M 100VKA-A	PUZ-ZM 100VKA-A	PUZ-ZM 100YKA2-A	PUZ-M 125VKA-A	PUZ-ZM 125VKA-A	PUZ-ZM 125YKA-A	PUZ-M 140VKA-A	PUZ-ZM 140VKA-A	PUZ-ZM 140YKA-A		
Refrigerant		R32										
Power Supply (V, Phase, Hz)		Outdoor power supply										
		V: 230 V, Single-phase, 50 Hz Y: 400 V, Three-phase, 50 Hz										
Cooling	Capacity [Min-Rated*4-Max]	kW	4.00 - 10.00 - 10.60	4.90 - 10.00 - 11.40	4.90 - 10.00 - 11.40	6.00 - 12.00 - 13.50	5.50 - 12.50 - 14.00	5.50 - 12.50 - 14.00	6.20 - 14.00 - 15.30	6.20 - 14.00 - 15.30	6.20 - 14.00 - 15.30	
	Total Input [Rated]*4	kW	3.08	2.39	2.39	3.81	3.52	3.52	4.22	4.10	4.10	
	EER/AEER*1		3.24/3.12	4.18/4.01	4.18/3.93	3.14/3.04	3.55/3.45	3.55/3.40	3.31/3.22	3.41/3.33	3.41/3.29	
	Running Current [Rated]*4	A	14.50	11.30	4.05	18.50	16.00	5.80	20.40	18.70	6.60	
	Sound Pressure Level*2	In (Lo - Hi)	dBA	39 - 42	39 - 42	39 - 42	42 - 45	42 - 45	42 - 45	42 - 45	42 - 45	42 - 45
		Out (PWL)	dBA	52 (71)	49 (69)	49 (69)	54 (72)	50 (70)	50 (70)	53 (71)	50 (70)	50 (70)
Air Volume (In) Lo - Hi	L/s	560 - 700	560 - 700	560 - 700	800 - 1000	800 - 1000	800 - 1000	800 - 1000	800 - 1000	800 - 1000		
Heating	Capacity [Min-Rated*5-Max]	kW	6.20 - 12.50 - 12.50	4.50 - 11.20 - 14.00	4.50 - 11.20 - 14.00	7.00 - 14.00 - 15.50	5.00 - 14.00 - 16.00	5.00 - 14.00 - 16.00	8.00 - 16.00 - 18.00	5.70 - 16.00 - 18.00	5.70 - 16.00 - 18.00	
	Total Input [Rated]*5	kW	3.36	2.51	2.51	3.54	3.27	3.27	4.20	3.90	3.90	
	COP/ACOP*1		3.72/3.58	4.46/4.28	4.46/4.21	3.95/3.81	4.28/4.15	4.28/4.09	3.80/3.69	4.10/3.99	4.10/3.95	
	Running Current [Rated]*5	A	15.80	11.50	4.26	17.30	15.40	5.40	20.30	17.70	6.30	
	Sound Pressure Level*2	In (Lo - Hi)	dBA	39 - 42	39 - 42	39 - 42	42 - 45	42 - 45	42 - 45	42 - 45	42 - 45	42 - 45
		Out (PWL)	dBA	54 (72)	51 (69)	51 (69)	56 (74)	52 (70)	52 (70)	54 (72)	52 (71)	52 (71)
Air Volume In (Lo - Hi)	L/s	560 - 700	560 - 700	560 - 700	800 - 1000	800 - 1000	800 - 1000	800 - 1000	800 - 1000	800 - 1000		
Max. Running Current	A	23.30	29.78	14.78	30.90	30.86	15.86	30.90	32.36	15.86		
Indoor Unit	Input [Rated]	kW	0.41	0.21	0.21	0.57	0.49	0.49	0.57	0.49	0.49	
	Dimensions [HxWxD]	mm	400 x 1400 x 634	400 x 1400 x 634	400 x 1400 x 634	400 x 1400 x 634	400 x 1400 x 634	400 x 1400 x 634	400 x 1400 x 634	400 x 1400 x 634	400 x 1400 x 634	
	Weight	kg	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	
	Static Pressure	Pa	50/100/150	50/100/150	50/100/150	50/100/150	50/100/150	50/100/150	50/100/150	50/100/150	50/100/150	
Outdoor Unit	Dimensions [HxWxD]	mm	981 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	981 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)					
	Weight	kg	76.0	113.0	114.0	84.0	113.0	114.0	99.0	113.0	114.0	
	Breaker Size	A	32	32	16	32	32	16	40	40	16	
Ext. Piping	Diameter [Liquid/Gas]	mm	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88		
	Max. Length/Height	m	55/30	75/30	75/30	55/30	75/30	75/30	55/30	75/30	75/30	
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-15 ~ 46	-15 ~ 52	-15 ~ 52	-15 ~ 46	-15 ~ 52	-15 ~ 52	-15 ~ 46	-15 ~ 52	-15 ~ 52	
	Heating	°C	-15 ~ 21	-20 ~ 21	-20 ~ 21	-15 ~ 21	-20 ~ 21	-20 ~ 21	-15 ~ 21	-20 ~ 21	-20 ~ 21	
Supply Air Duct	mm	921 x 250	921 x 250	921 x 250	921 x 250	921 x 250	921 x 250	921 x 250	921 x 250	921 x 250		
Return Air Duct	mm	1102 x 330	1102 x 330	1102 x 330	1102 x 330	1102 x 330	1102 x 330	1102 x 330	1102 x 330	1102 x 330		
Pre-Charge Refrigerant	kg	3.1 (30m)	4.0 (30m)	4.0 (30m)	3.6 (30m)	4.0 (30m)	4.0 (30m)	4.0 (55m)	4.0 (30m)	4.0 (30m)		
Additional Refrigerant	g/m	40	40	40	40	40	40	-	40	40		

**Notes:**

- \*1 MEPS compliant
- \*2 Sound pressure level measured in anechoic room at 1m.
- \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

**Rating Conditions:**

- \*4 Cooling: Indoor 27°CDB/19°CWB  
Outdoor 35°CDB/24°CWB
- \*5 Heating: Indoor 20°CDB/15°CWB  
Outdoor 7°CDB/6°CWB

# Product Specifications



PEA-M HAA Series (Ceiling Concealed)											
Indoor Unit			PEA-M100HAA			PEA-M125HAA					
Outdoor Unit			PUZ-M100VKA-A	PUZ-ZM100VKA-A	PUZ-ZM100YKA2-A	PUZ-M125VKA-A	PUZ-ZM125VKA-A	PUZ-ZM125YKA-A			
Refrigerant			R32								
Power Supply	Source		Outdoor power supply								
	Outdoor		V: 230V, Single-phase, 50Hz Y: 400V, Three-phase, 50Hz								
	Indoor		-								
Cooling	Capacity [Min-Rated*4-Max]		kW	4.00 - 10.00 - 10.60	4.90 - 10.00 - 11.40	4.90 - 10.00 - 11.40	6.00 - 12.00 - 13.50	5.50 - 12.50 - 14.00	5.50 - 12.50 - 14.00		
	Total Input [Rated]*4		kW	3.02	2.65	3.11	3.78	3.50	3.50		
	AEER/EER*1			3.21/3.31	3.63/3.77	3.57/3.77	3.10/3.17	3.47/3.57	3.42/3.57		
	TCSPF (Residential)		Hot	4.73	4.87	4.87	4.30	4.52	4.52		
			Average	4.03	4.08	4.08	3.77	3.92	3.92		
			Cold	4.09	4.05	4.05	3.83	3.93	3.93		
	Running Current [Rated]*4		A	13.80	12.20	5.20	17.40	15.40	5.90		
	Sound Pressure Level*2		In (Lo-Mid2-Mid1-Hi) (SPL)	dBA	29 - 32 - 36 - 38	29 - 32 - 36 - 38	29 - 32 - 36 - 38	35 - 38 - 42 - 45	35 - 38 - 42 - 45	35 - 38 - 42 - 45	
			Out (PWL)	dBA	52 (71)	49 (69)	50 (70)	54 (72)	50 (70)	50 (70)	
	Air Volume (In) Lo-Mid2-Mid1-Hi		L/s	500 - 567 - 633 - 700	500 - 567 - 633 - 700	500 - 567 - 633 - 700	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000		
Heating	Capacity [Min-Rated*5-Max]		kW	2.80 - 12.50 - 12.50	4.50 - 11.20 - 14.00	4.50 - 11.20 - 14.00	4.10 - 14.00 - 15.50	5.00 - 14.00 - 16.00	5.00 - 14.00 - 16.00		
	Total Input [Rated]*5		kW	3.24	2.71	3.12	3.44	3.40	3.40		
	ACOP/COP *1			3.75/3.85	3.98/4.13	3.91/4.13	3.69/4.06	3.99/4.11	3.94/4.11		
	HSPF (Residential)		Hot	4.39	4.94	4.94	4.42	4.70	4.70		
			Average	3.85	4.44	4.44	3.87	4.29	4.29		
			Cold	3.28	3.89	3.89	3.27	3.80	3.80		
	Running current [Rated]*5		A	14.80	12.70	5.20	16.00	15.00	5.60		
	Sound Pressure Level*2		In (Lo-Mid2-Mid1-Hi) (SPL)	dBA	29 - 32 - 36 - 38	29 - 32 - 36 - 38	29 - 32 - 36 - 38	35 - 38 - 42 - 45	35 - 38 - 42 - 45	35 - 38 - 42 - 45	
			Out (PWL)	dBA	54 (72)	51 (69)	52 (70)	56 (74)	52 (70)	52 (70)	
	Air Volume (In) Lo-Mid2-Mid1-Hi		L/s	500 - 567 - 633 - 700	500 - 567 - 633 - 700	500 - 567 - 633 - 700	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000		
Max. Running Current		A	23.40	29.88	13.88	30.20	31.20	15.20			
Indoor Unit	Input [Rated]		kW	0.187/0.187	0.187/0.187	0.187/0.187	0.477/0.477	0.477/0.477	0.477/0.477		
	Dimensions [HxWxD]		mm	380 x 1405 x 900	380 x 1405 x 900	380 x 1405 x 900	380 x 1405 x 900	380 x 1405 x 900	380 x 1405 x 900		
	Weight		kg	63.0	63.0	63.0	66.0	66.0	66.0		
	Static Pressure		Pa	50/100/150	50/100/150	50/100/150	50/100/150	50/100/150	50/100/150		
Outdoor Unit	Dimensions [HxWxD]		mm	981 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	981 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)		
	Weight		kg	76.0	113.0	114.0	84.0	113.0	114.0		
	Breaker Size		A	32	32	16	32	32	16		
Ext. Piping	Diameter [Liquid/Gas]		mm	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88		
	Max. Length/Height		m	55/30	75/30	75/30	55/30	75/30	75/30		
Guaranteed Operating Range [Outdoor]	Cooling*3		°C	-15 ~ 46	-5 (-15) ~ 52	-5 (-15) ~ 52	-15 ~ 46	-5 (-15) ~ 52	-5 (-15) ~ 52		
	Heating		°C	-15 ~ 21	-20 ~ 21	-20 ~ 21	-15 ~ 21	-20 ~ 21	-20 ~ 21		
Supply Air Duct		mm	1325 x 266	1325 x 266	1325 x 266	1325 x 266	1325 x 266	1325 x 266			
Return Air Duct		mm	2 x 400 (2 x 16")	2 x 400 (2 x 16")	2 x 400 (2 x 16")	2 x 400 (2 x 16")	2 x 400 (2 x 16")	2 x 400 (2 x 16")			
Pre-Charge Refrigerant		kg	3.10 (30m)	4.00 (30m)	4.00 (30m)	3.60 (30m)	4.00 (30m)	4.00 (30m)			
Additional Refrigerant		g/m	40	40	40	40	40	40			

**Notes:**

- \*1 MEPS compliant.
- \*2 Sound pressure level measured in anechoic room at 1m.
- \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

**Rating Conditions:**

- \*4 Cooling: Indoor 27°CDB/19°CWB  
Outdoor 35°CDB/24°CWB
- \*5 Heating: Indoor 20°CDB/15°CWB  
Outdoor 7°CDB/6°CWB



PEA-M HAA Series (Ceiling Concealed)								
Indoor Unit		PEA-M140HAA			PEA-M160HAA			
Outdoor Unit		PUZ-M140VKA-A	PUZ-ZM140VKA-A	PUZ-ZM140YKA-A	PUZ-ZM160VKA	PUZ-ZM160YKA		
Refrigerant		R32						
Power Supply	Source	Outdoor power supply						
	Outdoor	V: 230 V, Single-phase, 50 Hz Y: 400 V, Three-phase, 50 Hz						
	Indoor	-						
Cooling	Capacity [Min-Rated*4-Max]	kW	6.20 - 14.00 - 15.30	6.20 - 14.00 - 15.30	6.20 - 14.00 - 15.30	4.70 - 16.00 - 17.00	4.70 - 16.00 - 17.00	
	Total Input [Rated]*4	kW	4.24	4.19	4.19	4.95	4.95	
	AEER/EER*1		3.23/3.30	3.26/3.34	3.22/3.34	3.16/3.23	3.16/3.23	
	TCSPF (Residential)	Hot		4.49	4.42	4.42	5.15	5.15
		Average		3.98	3.88	3.88	4.45	4.45
		Cold		4.06	3.93	3.93	4.56	4.56
	Running Current [Rated]*4	A	19.50	18.30	6.80	19.12	5.04	
	Sound Pressure Level*2	In (Lo-Mid2-Mid1-Hi) (SPL)	dBA	35 - 38 - 42 - 45	35 - 38 - 42 - 45	35 - 38 - 42 - 45	35 - 38 - 42 - 45	35 - 38 - 42 - 45
		Out (PWL)	dBA	53 (71)	50 (70)	50 (70)	58 (74)	58 (74)
	Air Volume (In) Lo-Mid2-Mid1-Hi	L/s	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	
Heating	Capacity [Min-Rated*5-Max]	kW	5.70 - 16.00 - 18.00	5.70 - 16.00 - 18.00	5.70 - 16.00 - 18.00	5.40 - 18.00 - 20.00	5.40 - 18.00 - 20.00	
	Total Input [Rated]*5	kW	3.85	3.97	3.97	4.58	4.58	
	ACOP/COP		4.06/4.15	3.92/4.03	3.88/4.03	3.84/3.93	3.84/3.93	
	HSPF (Residential)	Hot		4.69	4.63	4.63	4.73	4.73
		Average		4.20	4.20	4.20	4.16	4.16
		Cold		3.60	3.70	3.70	3.62	3.62
	Running current [Rated]*5	A	17.70	17.70	6.30	17.95	4.27	
	Sound Pressure Level*2	In (Lo-Mid2-Mid1-Hi) (SPL)	dBA	35 - 38 - 42 - 45	35 - 38 - 42 - 45	35 - 38 - 42 - 45	35 - 38 - 42 - 45	17.95/4.27
		Out (PWL)	dBA	54 (72)	52 (71)	52 (71)	59 (75)	59 (75)
	Air Volume (In) Lo-Mid2-Mid1-Hi	L/s	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	700 - 800 - 900 - 1000	
Max. Running Current	A	30.20	32.20	15.20	33.06	14.26		
Indoor Unit	Input [Rated]	kW	0.477/0.477	0.477/0.477	0.477/0.477	-	-	
	Dimensions [HxWxD]	mm	380 x 1405 x 900					
	Weight	kg	66.0	66.0	66.0	66	66	
	Static Pressure	Pa	50/100/150	50/100/150	50/100/150	50 - 100 - 150	50 - 100 - 150	
Outdoor Unit	Dimensions [HxWxD]	mm	1338 x 1050 x 330 (+40)					
	Weight	kg	99.0	113.0	114.0	115	116	
	Breaker Size	A	40	40	16	40	16	
Ext. Piping	Diameter [Liquid/Gas]	mm	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø19.10	ø9.52/ø19.10	
	Max. Length/Height	m	55/30	75/30	75/30	75/30	75/30	
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-5(-15) ~ 46	-5 (-15) ~ 52	-5 (-15) ~ 52	-5(-15) ~ 52	-5(-15) ~ 52	
	Heating	°C	-15 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	
Supply Air Duct	mm	1325 x 266	1325 x 266	1325 x 266	1325 x 266	1325 x 266		
Return Air Duct	mm	2 x 400 (2 x 16")	2 x 400 (2 x 16")	2 x 400 (2 x 16")	2 x 400 (2 x 16")	2 x 400 (2 x 16")		
Pre-Charge Refrigerant	kg	4.00 (55m)	4.00 (30m)	4.00 (30m)	5.00 (30m)	5.00 (30m)		
Additional Refrigerant	g/m	Not required	40	40	70 (up to 60m)*4	70 (up to 60m)*4		

**Notes:**

- \*1 MEPS compliant.
- \*2 Sound pressure level measured in anechoic room at 1m.
- \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.
- \*4 Maximum additional charge is 2.1kg (for pipe length longer than 60m).

**Rating Conditions:**

- \*4 Cooling: Indoor 27°CDB/19°CWB  
Outdoor 35°CDB/24°CWB
- \*5 Heating: Indoor 20°CDB/15°CWB  
Outdoor 7°CDB/6°CWB

# Product Specifications



PEA-M LAA Series (Ceiling Concealed)						
Indoor Unit		PEA-M180LAA	PEA-M200LAA	PEA-M250LAA		
Outdoor Unit		PUZ-ZM180V/YKA	PUZ-ZM200YKA	PUZ-ZM250YKA		
Refrigerant		R32				
Power Supply	Source	Indoor/outdoor separate power supply				
	Outdoor	V: 230 V, Single-phase, 50 Hz Y: 400 V, Three-phase, 50 Hz				
	Indoor	230 V, Single-phase, 50 Hz				
Cooling	Capacity [Min-Rated* <sup>1</sup> -Max]	kW	4.90 - 18.00 - 20.00	4.90 - 20.00 - 22.40	6.30 - 24.50 - 24.50	
	Total Input [Rated]* <sup>1</sup>	kW	5.52	6.40	8.00	
	AEER/EER		3.20/3.26	3.07/3.12	3.02/3.06	
	TCSPF (Residential)	Hot		4.62	4.62	4.33
		Average		4.16	4.13	3.94
		Cold		4.23	4.25	4.04
	Running Current [Rated]* <sup>1</sup>	A	22.23/5.45	10.29	12.50	
	Sound Pressure Level* <sup>2</sup>	In (Lo-Mid2-Mid1-Hi) (SPL)	dBA	30 - 37.5 - 42 - 46	30 - 37.5 - 42 - 46	32.5 - 40 - 45.5 - 48.5
Out (PWL)		dBA	58 (74)	60 (75)	60 (75)	
Air Volume (In) Lo-Mid2-Mid1-Hi	L/s	600 - 833 - 1017 - 1200	600 - 833 - 1017 - 1200	700 - 967 - 1200 - 1400		
Heating	Capacity [Min-Rated* <sup>1</sup> -Max]	kW	5.40 - 20.00 - 22.40	5.70 - 22.40 - 25.00	7.90 - 28.00 - 29.00	
	Total Input [Rated]* <sup>1</sup>	kW	5.10	5.90	7.50	
	ACOP/COP		3.84/3.92	3.72/3.79	3.67/3.73	
	HSPF (Residential)	Hot		4.79	4.38	4.59
		Average		4.18	3.78	3.89
		Cold		3.58	3.41	3.40
	Running Current [Rated]* <sup>1</sup>	A	20.97/5.46	9.29	11.14	
	Sound Pressure Level* <sup>2</sup>	In (Lo-Mid2-Mid1-Hi) (SPL)	dBA	30 - 37.5 - 42 - 46	30 - 37.5 - 42 - 46	32.5 - 40.0 - 45.5 - 48.5
Out (PWL)		dBA	60 (76)	60 (76)	60 (76)	
Air Volume (In) Lo-Mid2-Mid1-Hi	L/s	600 - 833 - 1017 - 1200	600 - 833 - 1017 - 1200	700 - 967 - 1200 - 1400		
Indoor Unit	Dimensions [HxWxD]	mm	470 x 1370 x 1120	470 x 1370 x 1120	470 x 1370 x 1120	
	Weight	kg	88	88	88	
	Static Pressure	Pa	75 - 100 - 150 - 200 - 250	75 - 100 - 150 - 200 - 250	75 - 100 - 150 - 200 - 250	
	Max. Running Current	A	4.80	4.80	4.80	
Outdoor Unit	Dimensions [HxWxD]	mm	1338 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	
	Weight	kg	115/116	136	139	
	Max. Running Current	A	28.22 (V)/9.27 (Y)	18.00	20.00	
	Breaker Size	A	40 (V)/16 (Y)	25	25	
Ext. Piping	Diameter [Liquid/Gas]	mm	ø9.52/ø19.10	ø9.52/ø22.20* <sup>3</sup>	ø12.70/ø22.20* <sup>3</sup>	
	Max. Length/Height	m	75/30	100/30	100/30	
Guaranteed Operating Range [Outdoor]	Cooling	°C	-5(-15)* <sup>5</sup> ~ 52	5(-15)* <sup>5</sup> ~ 52	-5(-15)* <sup>5</sup> ~ 52	
	Heating	°C	-20 ~ 21	-20 ~ 21	-20 ~ 21	
Supply Air Duct	mm	1100 x 340	1100 x 340	1100 x 340		
Return Air Duct	mm	1100 x 420	1100 x 420	1100 x 420		
Pre-Charge Refrigerant	kg	5.0 (30m)	5.5 (50m)	6.5 (50m)		
Additional Refrigerant	g/m	70* <sup>4</sup>	70	90		

## Notes:

\*1 The rated capacity, total input power and running current are determined under conditions T1 (cooling) and H1 (heating) of AS/NZS 3823.1.2

Cooling: Indoor 27°CDB/19°CWB, Outdoor 35°CDB/24°CWB

Heating: Indoor 20°CDB/15°CWB, Outdoor 7°CDB/6°CWB

\*2 Indoor and outdoor sound pressure levels are measured in anechoic chamber and may differ to the actual installation.

\*3 Gas pipe 25.4mm (1 inch) is required if the piping length is 50m or longer.

\*4 Maximum additional charge is 2.1kg (for pipe length longer than 60m).

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

Guaranteed Operating Range					
		SUZ-M	PUZ-M	PUZ-ZM	
		25/35/50/60/71	100/125/140	71/100/125/140/160/180/200/250	
Cooling	Upper Limit	52°C D.B.	46°C	52°C	
	Lower Limit	-10°C* (SUZ-M25/35) -15°C* (SUZ-M50/60/71)	-15°C*	-15°C*	
Heating	Upper Limit	24°C	21°C	21°C	
	Lower Limit	-10°C	-15°C	-20°C	

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

**Sound Pressure Level:**

- Sound pressure measurements were conducted in an anechoic chamber, testing standard ISO 3745:2003
- 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 D.B./ 19°C W.B.  
Outdoor: 35°C D.B./24°C W.B.
- Heating - Indoor: 20°C D.B./15°C W.B.  
Outdoor: 7°C D.B./ 6°C W.B.
- Refrigerant piping length (one-way): 5m

Total Input Based on the Indicated Voltage		
	Indoor	Outdoor
50 Hz	Single-phase, 230V	Single-phase, 230V/ Three-phase, 400V

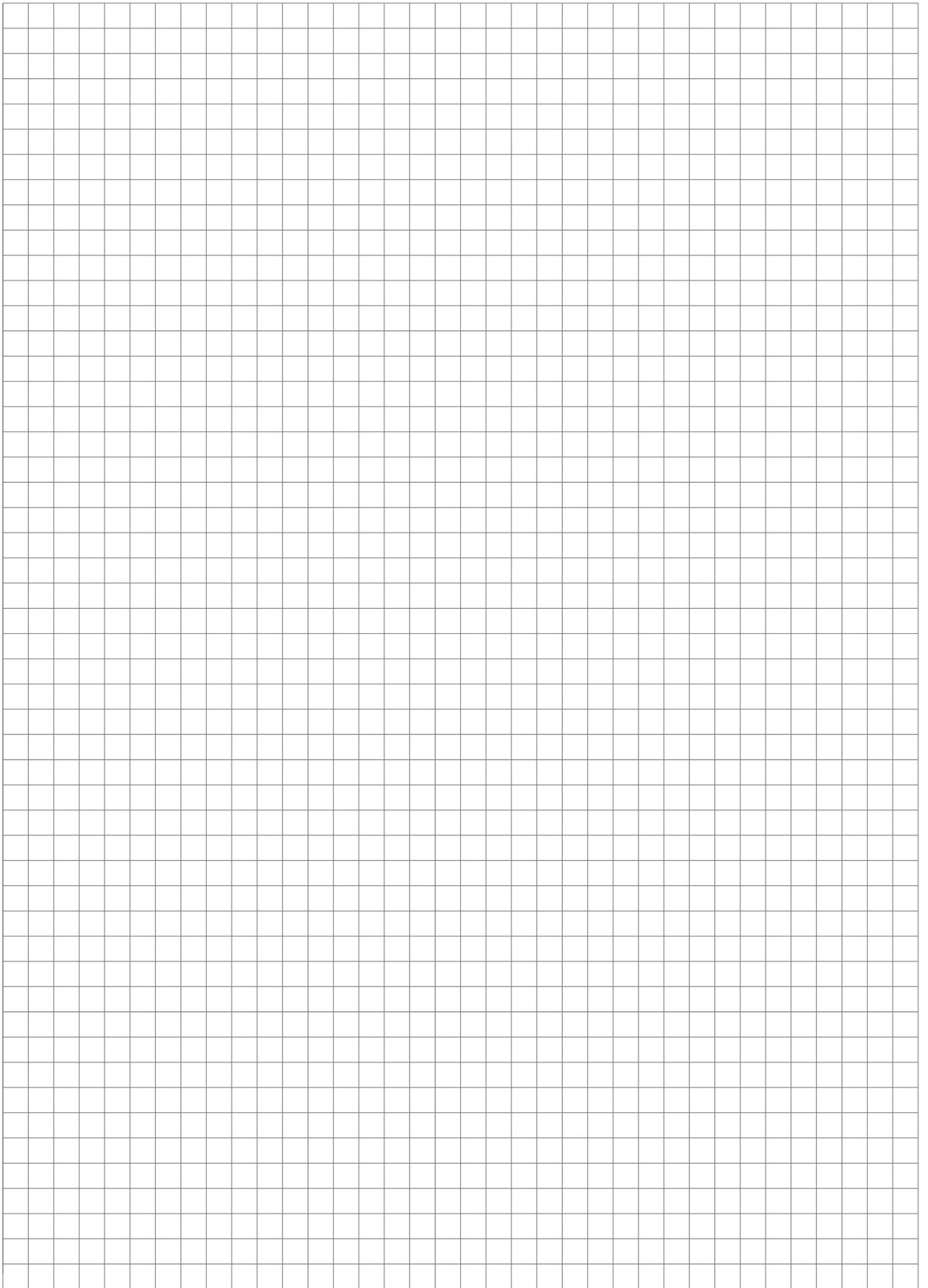
Zone Controller	
Parts	Specifications
<b>Zone Controller</b>	Make sure the correct zone controller is selected from the following 4 models. <ul style="list-style-type: none"> <li>• Maximum 4 of 24V AC damper motor connecting type: PAC-ZC40L-E</li> <li>• Maximum 8 of 24V AC damper motor connecting type: PAC-ZC80L-E</li> <li>• Maximum 4 of 240V AC damper motor connecting type: PAC-ZC40H-E</li> <li>• Maximum 8 of 240V AC damper motor connecting type: PAC-ZC80H-E</li> </ul>
<b>Zone Remote Controller</b>	A maximum of 2 remote controllers can be connected. 1 x remote controller is included in the Zone Controller. Additional remote part #: PAR-ZC01M-E.
<b>Temperature Sensors</b>	A maximum of 5 temperature sensors. <ul style="list-style-type: none"> <li>• Intake air temperature sensor in the indoor unit</li> <li>• Temperature sensor in the main remote controller</li> <li>• Temperature sensor in the sub remote controller</li> <li>• Optional temperature sensor 1: PAC-SE41TS-E</li> <li>• Optional temperature sensor 2: PAC-SE41TS-E</li> </ul> They can be assigned to each of the zones.
<b>Damper Motor (Locally Supplied)</b>	Only drive open, drive close damper motor can be connected. (Spring motor damper cannot be used) If 24V AC motors are used ensure the transformer is adequately sized for the zone motors connected and ensure it's suitable for the installation conditions.

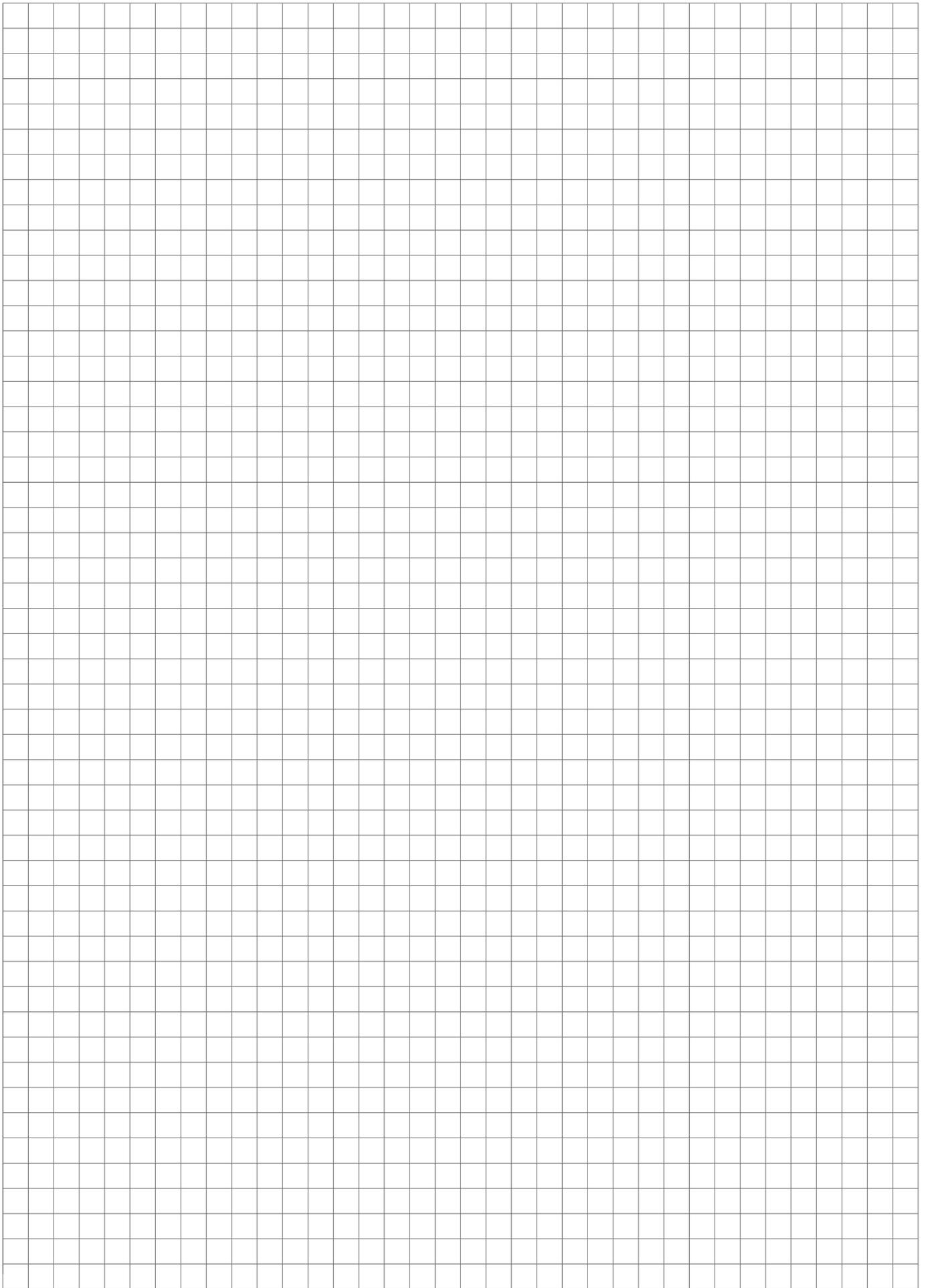
# Optional Parts

	Joint Pipe		Liquid Ref. Dryer	Air Outlet Guide					Air Protection Guide		Drain Socket	Centralised Drain Pan		M-NET Converter	Control/Service Tool
	Unit Ø9.52 Pipe Ø12.7		For Pipe Ø9.52												
	PAC-SG73RJ-E	PAC-SJ88RJ-E	PAC-SG82DR-E	MAC-881SG	MAC-886SG	MAC-889SG	PAC-SG59SG-E	PAC-SH96SG-E	PAC-SH63AG-E	PAC-SH95AG-E	PAC-SH77DS-E	PAC-SG64DP-E	PAC-SH97DP-E	PAC-SJ95MA-E	PAC-SK52ST
S Series	SUZ-M25VAD-A			●		●									
	SUZ-M35VAD-A			●		●									
	SUZ-M50VAD-A				●										
	SUZ-M60VAD-A				●										
	SUZ-M71VAD-A				●										
P Series	PUZ-M100VKA-A	●	●						●		●		●	●	●
	PUZ-M125VKA-A	●	●						●		●		●	●	●
	PUZ-M140VKA-A	●	●						●		●		●	●	●
	PUZ-ZM71VHA-A	●	●				●		●		●	●		●	●
	PUZ-ZM100VKA-A	●	●						●		●		●	●	●
	PUZ-ZM100YKA-A	●	●						●		●		●	●	●
	PUZ-ZM125VKA-A	●	●						●		●		●	●	●
	PUZ-ZM125YKA-A	●	●						●		●		●	●	●
	PUZ-ZM140VKA-A	●	●						●		●		●	●	●
	PUZ-ZM140YKA-A	●	●						●		●		●	●	●
	PUZ-ZM160V/YKA		●						●		●		●	●	●
	PUZ-ZM180V/YKA		●						●		●		●	●	●
	PUZ-ZM200YKA		●						●		●		●	●	●
	PUZ-ZM250YKA								●		●		●	●	●

		Filter Box				Drain Pump		System Control Interface	Wi-Fi Interface	Power Supply Terminal Kit	Wired Remote Controller		Wireless Remote Controller		Remote Sensor	Remote On/Off Adapter
		PAC-KE93 TB-E	PAC-KE94 TB-E	PAC-KE95 TB-E	PAC-KE95 TB-F	PAC-KED7 DM-F1	PAC-KED7 DM-E	MAC-334IF-E	MAC-568IF-E	PAC-S697 HR-E	Controller		Signal Sender	Signal Receiver		
											PAR-41MAA	PAC-YT52 CRA	PAR-SL97A-E	PAR-SA9CA-E		
S Series	Ceiling Concealed	SEZ-M25DA(L)					●	●	●		●*1	●*1	●	●	●	●
		SEZ-M35DA(L)					●	●	●		●*1	●*1	●	●	●	●
		SEZ-M50DA(L)					●	●	●		●*1	●*1	●	●	●	●
		SEZ-M60DA(L)					●	●	●		●*1	●*1	●	●	●	●
		SEZ-M71DA(L)					●	●	●		●*1	●*1	●	●	●	●
P Series	Ceiling Concealed	PEAD-M50JAA(D)	●					●	●	●	●	●	●	●	●	●
		PEAD-M60JAA(D)	●					●	●	●	●	●	●	●	●	●
		PEAD-M71JAA(D)	●					●	●	●	●	●	●	●	●	●
		PEAD-M100JAA(D)		●				●	●	●	●	●	●	●	●	●
		PEAD-M125JAA(D)		●				●	●	●	●	●	●	●	●	●
		PEAD-M140JAA(D)			●			●	●	●	●	●	●	●	●	●
		PEA-M100GAA							●	●	●	●	●	●	●	●
		PEA-M125GAA							●	●	●	●	●	●	●	●
		PEA-M140GAA							●	●	●	●	●	●	●	●
		PEA-M100HAA							●	●	●	●	●	●	●	●
		PEA-M125HAA							●	●	●	●	●	●	●	●
		PEA-M140HAA							●	●	●	●	●	●	●	●
		PEA-M160HAA							●	●	●	●	●	●	●	●
		PEA-M180LAA				●	●	●	●	●	●	●	●	●	●	●
		PEA-M200LAA				●	●	●	●	●	●	●	●	●	●	●
PEA-M250LAA				●	●	●	●	●	●	●	●	●	●	●		

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