



**NEW**

# Product Release 2023

Mr Slim R32 Large Capacity  
Ducted Systems





# PEA-M HAA/LAA Series

## Mr Slim R32 Large Capacity Ducted Systems



PEA-M160HAA



PEA-M180/200/250LAA



PUZ-ZM160/180V/YKA  
PUZ-ZM200/250YKA

Mitsubishi Electric introduces the **NEW** Mr Slim large capacity ducted units in R32 refrigerant. A new 16 kW model has been added to complete the range and now delivers 16 kW - 25 kW. In addition, the 16 kW and 18 kW indoor models can be connected to a single or three-phase Mr Slim outdoor unit, making the 18 kW model one of the largest ducted units available in the market with a single-phase power supply.

The new PEA-M Series are designed to suit Australian homes with guaranteed cooling performance at higher ambient temperatures and heating performances at low ambient conditions. It complements the aesthetically designed house with concealed installation, wide range of capacities and airflows to best suit the comfort conditions.

### Product Line-Up

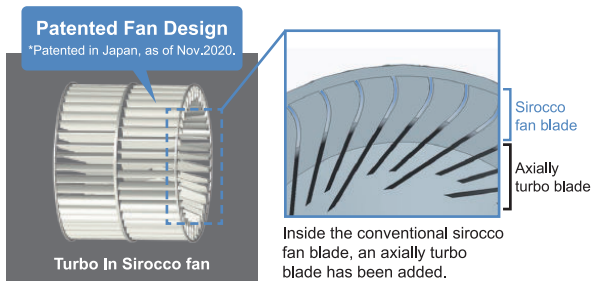
PEA-M160HAA PUZ-ZM160V/YKA	PEA-M180LAA PUZ-ZM180V/YKA	PEA-M200LAA PUZ-ZM200YKA	PEA-M250LAA PUZ-ZM250YKA

## 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.

## Low 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.

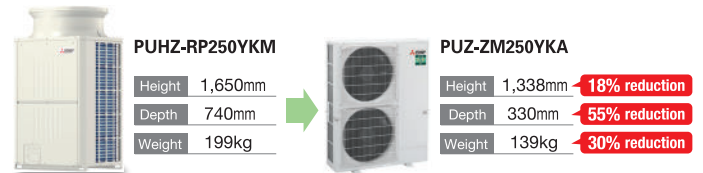


## Long Pipe Lengths

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.

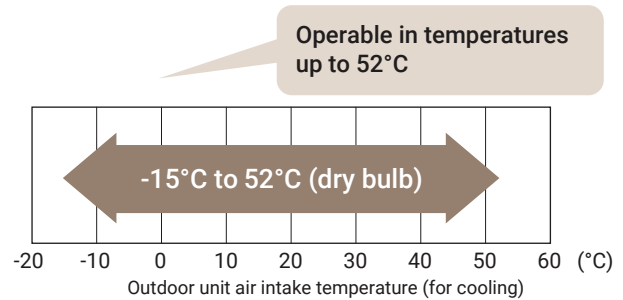
## New Side Discharge Outdoor Unit

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



## 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 -15°C to 52°C. This means your air conditioner will continue to operate when you need it most.



# Product Specifications

PEA-M LAA Series (Ceiling Concealed)							
Indoor Unit		PEA-M160HAA	PEA-M180LAA	PEA-M200LAA	PEA-M250LAA		
Outdoor Unit		PUZ-ZM160VKA/YKA	PUZ-ZM180V/YKA	PUZ-ZM200YKA	PUZ-ZM250YKA		
Refrigerant		R32					
Power Supply	Source	Outdoor power supply		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*1-Max]	kW	4.70 - 16.00 - 17.00	4.90 - 18.00 - 20.00	4.90 - 20.00 - 22.40	6.30 - 24.50 - 24.50	
	Total Input [Rated]*1	kW	4.95	5.52	6.40	8.00	
	AEER/EER	3.16/3.23		3.20/3.26	3.07/3.12	3.02/3.06	
	TCSPF (Residential)	Hot	5.15	4.62	4.62	4.33	
		Average	4.45	4.16	4.13	3.94	
		Cold	4.56	4.23	4.25	4.04	
	Running Current [Rated]*1	A	19.12/5.04	22.23/5.45	10.29	12.50	
	Sound Pressure Level*2	In (Lo-Mid2-Mid1-Hi) (SPL)	dBA	35 - 38 - 42 - 45	30 - 37.5 - 42 - 46	30 - 37.5 - 42 - 46	32.5 - 40 - 45.5 - 48.5
		Out (PWL)	dBA	58 (74)	58 (74)	60 (75)	60 (75)
	Air Volume (In) Lo-Mid2-Mid1-Hi	L/s	700 - 800 - 900 - 1000	600 - 833 - 1017 - 1200	600 - 833 - 1017 - 1200	700 - 967 - 1200 - 1400	
Heating	Capacity [Min-Rated*1-Max]	kW	5.40 - 18.00 - 20.00	5.40 - 20.00 - 22.40	5.70 - 22.40 - 25.00	7.90 - 28.00 - 29.00	
	Total Input [Rated]*1	kW	4.58	5.10	5.90	7.50	
	ACOP/COP	3.84/3.93		3.84/3.92	3.72/3.79	3.67/3.73	
	HSPF (Residential)	Hot	4.73	4.79	4.38	4.59	
		Average	4.16	4.18	3.78	3.89	
		Cold	3.62	3.58	3.41	3.40	
	Running Current [Rated]*1	A	17.95/4.27	20.97/5.46	9.29	11.14	
	Sound Pressure Level*2	In (Lo-Mid2-Mid1-Hi) (SPL)	dBA	17.95/4.27	30 - 37.5 - 42 - 46	30 - 37.5 - 42 - 46	32.5 - 40.0 - 45.5 - 48.5
		Out (PWL)	dBA	59 (75)	60 (76)	60 (76)	60 (76)
	Air Volume (In) Lo-Mid2-Mid1-Hi	L/s	700 - 800 - 900 - 1000	600 - 833 - 1017 - 1200	600 - 833 - 1017 - 1200	700 - 967 - 1200 - 1400	
Indoor Unit	Dimensions [HxWxD]	mm	380 x 1405 x 900	470 x 1370 x 1120	470 x 1370 x 1120	470 x 1370 x 1120	
	Weight	kg	66	88	88	88	
	Static Pressure	Pa	50 - 100 - 150	75 - 100 - 150 - 200 - 250	75 - 100 - 150 - 200 - 250	75 - 100 - 150 - 200 - 250	
	Max. Running Current	A	3.70	4.80	4.80	4.80	
	Dimensions [HxWxD]	mm	1338 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	1338 x 1050 x 330 (+40)	
Outdoor Unit	Weight	kg	115/116	115/116	136	139	
	Max. Running Current	A	29.36 (V)/10.56(Y)	28.22 (V)/9.27 (Y)	18.00	20.00	
	Max. Running Current (System)	A	33.06(V)/14.26(Y)	33.02(V)/14.07(Y)	22.80	24.80	
Ext. Piping	Diameter [Liquid/Gas]	mm	ø9.52/ø19.10	ø9.52/ø19.10	ø9.52/ø22.20*3	ø12.70/ø22.20*3	
	Max. Length/Height	m	75/30	75/30	100/30	100/30	
Guaranteed Operating Range [Outdoor]	Cooling*4	°C	-5(-15) ~ 52	-5(-15) ~ 52	5(-15) ~ 52	-5(-15) ~ 52	
	Heating	°C	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	
Supply Air Duct	mm	1325 x 266	1100 x 340	1100 x 340	1100 x 340		
Return Air Duct	mm	2 x 400 (2 x 16")	1100 x 420	1100 x 420	1100 x 420		
Pre-Charge Refrigerant	kg	5.00 (30m)	5.0 (30m)	5.5 (50m)	6.5 (50m)		
Additional Refrigerant	g/m	70 (up to 60m)*5	70 (up to 60m)*5	70 (up to 80m)*5	90 (up to 80m)*6		

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

\*5 Max additional charge is 2.1kg

\*6 Max additional charge is 2.7 kg



[MitsubishiElectric.com.au](https://www.mitsubishielectric.com.au)

The specifications and information in this flyer are subject to change without notice. Colours depicted in this flyer may vary slightly. Images are for illustrational purposes only.  
Printed August 2023. © Mitsubishi Electric 2023