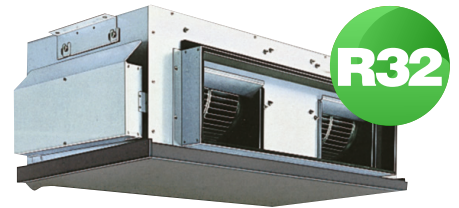


PEA Series

DUCTED SYSTEM



Mr. SLIM



The high static airflow of the PEA Series allows air to be directed to different areas of your home or office with ease, ideal for heating or cooling a number of rooms at once. With an aesthetically pleasing ceiling installation and vast line-up of performance functions, the PEA Series provides the ultimate in comfort.

Key Features

R32

Next-Generation R32 Technology

The PEA-GAA Series ducted systems feature the latest in super-efficient and more environmentally friendly R32 refrigerant. With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.



Flexible Duct Design Enables Use of High-Pressure Static Fan

With a maximum 150Pa external static high-pressure setting, PEA Series models offer complete flexibility in duct design. The increased variation in airflow options ensures operation that best matches virtually all room layouts.



Versatile and Easy Installation Options

PEA Series models offer both versatility and ease of installation/application; for example, it is possible to adjust the distance between the air-intake and air-outlet vents to create the optimal airflow configuration.



Standard or Deluxe Outdoor Units

The Standard Range of our ducted systems, available for all PEA-M100/125/140GAA models, are the ideal economical solution for building or homes where extended pipe runs are not necessary. The Deluxe Outdoor Unit offers longer pipe runs, slightly lower Sound Pressure Levels and extended guaranteed heating down to -20°C.

PEA-M100GAA

Heating Capacity: 11.2 kW | Cooling Capacity: 10.0 kW*

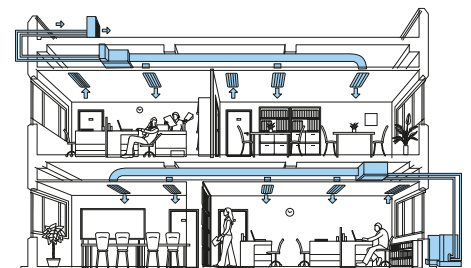
PEA-M125GAA

Heating Capacity: 14.0 kW | Cooling Capacity: 12.5 kW*

PEA-M140GAA

Heating Capacity: 16.0 kW | Cooling Capacity: 14.0 kW

*Deluxe Outdoor Unit Values





Optional Lossnay Fresh Air Ventilation

The Mitsubishi Electric Lossnay System is an energy recovery ventilation solution that can be integrated with a Ducted Heat Pump System. The two systems will work together to further increase energy savings while ventilating your home to remove stale air and help control moisture. The Lossnay System will recover the energy from stale air to pre-heat or pre-cool incoming fresh air, reducing the amount of additional heating or cooling required. Both systems can be controlled from one central wall mounted controller for optimum ease of use.



Optional Wi-Fi Control: Elevate Comfort, Maximise Efficiency

Upgrade your system with optional Wi-Fi Control. Make real-time adjustments on-the-go, no matter where you are via remote access. Optimise energy efficiency with smart scheduling and customisable zone/room control.



Optional Zone Controller

The optional Zone Controller brings intuitive yet simple control to a whole new level, with the ability to control up to eight zones, automatic unloading/ramping and energy saving sensor functions.



Specifications: PEA-GAA Ducted Series

REFRIGERANT		R32											
INDOOR UNIT		PEA-M100GAA				PEA-M125GAA				PEA-M140GAA			
OUTDOOR UNIT		PUZ-M100VKA		PUZ-ZM100VKA		PUZ-M125VKA		PUZ-ZM125VKA		PUZ-M140VKA		PUZ-ZM140VKA	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)	(kW)	10.0 (4.0-10.6)	12.5 (2.8-12.5)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (6.0-13.5)	14.0 (4.1-15.5)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)
Power Input	(kW)	3.08	3.36	2.39	2.51	3.81	3.54	3.52	3.27	4.22	4.20	4.10	3.90
Rated EER/COP		3.24	3.72	4.18	4.46	3.14	3.95	3.55	4.28	3.31	3.80	3.41	4.10
Rated AEER/ACOP		3.12	3.58	4.01	4.28	3.04	3.81	3.45	4.15	3.22	3.69	3.33	3.99
Power Supply		230V, Single-phase, 50Hz											
Airflow	m³/min	34-42								48-60			
	L/S	567-700								800-1000			
Indoor Sound Pressure Level	(dB)	33-38-42		39-42						42-45			
External Static Pressure	(Pa)	50 / 100 / 150											
Dimensions (indoor)	Height	(mm)											
	Width	(mm)											
	Depth	(mm)											
Weight (indoor)	(kg)	63											
Refrigerant Piping	Max. Length/Height (m)	55 / 30		75 / 30		55 / 30		75 / 30		55 / 30		75 / 30	
Operation Range Outdoor	Cooling	(-15 ~ 46)		-5(-15*) ~ 52		-15 ~ 46		-5(-15*) ~ 52		-15 ~ 46		-5(-15*) ~ 52	
	Heating	(-15 ~ 21)		-20 ~ 21		-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21	

* With optional air protection guide.

Outdoor Unit Specifications

REFRIGERANT		R32					
OUTDOOR UNIT		PUZ-M100VKA	PUZ-M125VKA	PUZ-M140VKA	PUZ-ZM100VKA	PUZ-ZM125VKA	PUZ-ZM140VKA
External Finish		Munsell 3.0Y 7.8 / 1.1					
Power Supply		Single-phase, 50Hz, 230V					
Compressor Output	(kW)	1.5		2.5			
Airflow (Cooling/Heating)	m³/min(L/S)	79 (1317)	86 (1433)	120 (1996)	110 (1831)	120 (1996)	
Sound Pressure Level (Cooling/Heating)	(dB)*2	52 / 54	54 / 56	53 / 54	49 / 51	50 / 52	
Sound Power Level	(dB)	71 / 72	72 / 74	71 / 72	69 / 69	70 / 70	70 / 71
Dimensions (H x W x D)	(mm)	981x1050x330+40		1338x1050x330+40	1338x1050x330+40		
Weight	(kg)	76	84	99	113		
Piping Length (Chargeless/ Max.)		30 / 55			30 / 75		
Protection Device		Comp. surface thermo, HP Switch			Discharge thermo, HP switch		
Breaker Size	(A)	32		40	32	40	

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

Amount of Required Refrigerant (R32:kg)

PIPING LENGTH	FACTORY CHARGED (kg)	ADDITIONAL CHARGE (kg)				
	30m	40m	50m	60m	75m	
PUZ-M100	3.10	0.40	0.80	-	-	
PUZ-M125	3.60	0.40	0.80	-	-	
PUZ-M140	3.90	0.00	0.00	-	-	
PUZ-ZM100/125/140	4.00	0.40	0.80	1.20	1.80	

Refrigerant Piping

CAPACITY	BETWEEN INDOOR AND OUTDOOR UNITS		PIPE SIZE OD (mm - in.)	THICKNESS (mm)
	MAX. HEIGHT DIFFERENCE (m)	MAX. PIPING LENGTH (m)		
PUZ-M100/125/140	30	55	Liquid: Ø 9.52 - 3/8"	t 0.8
			Gas: Ø 15.88 - 5/8"	t 1.0
75		Liquid: Ø 9.52 - 3/8"	t 0.8	
		Gas: Ø 15.88 - 5/8"	t 1.0	

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