

PEA Series

Ducted Split-Type Air Conditioners



 **POWER INVERTER**

Mr. SLIM

R410A





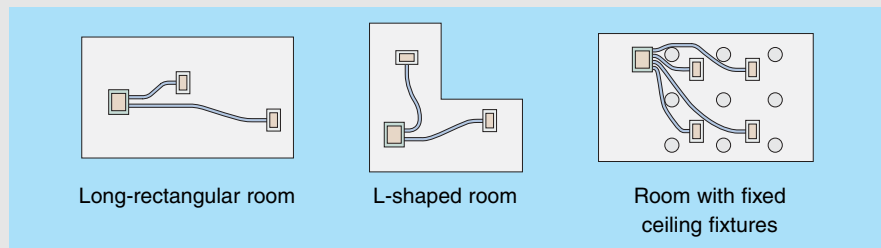
Ceiling Concealed

PEA Series

This flexible, high-quality series, which is concealed in the ceiling to enhance interior aesthetics, provides all the benefits of split-type models plus much more.

Limitless installation possibilities

Offering all the benefits of split-type models plus other important advantages, the PEA Series is not only easy to install but also very versatile. For example, the distance between the air-intake and air-outlet vents can be varied to allow airflow to be positioned in the optimum location.



High Static Pressure

Even when ductwork is very long, the volume of airflow remains large enough due to the high static pressure available.

Computerized dehumidification

The electronic dehumidifier mode — where fan speed is controlled precisely — increases dehumidification volume while improving dehumidifying efficiency.

Series	3HP	4HP	5HP	6HP	Remote control
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Ceiling Concealed

PEA					
	Cooling capacity (kW)	7.1	10.0	12.5	14.0
	Heating capacity (kW)	8.4	11.2	14.0	16.0

Outdoor Unit



NEW REFRIGERANT

This range of air conditioners uses R410A refrigerant.

REUSE OF EXISTING PIPEWORKS

To simplify installation and conserve resources, we promote the reuse of existing pipework.

SPECIFICATIONS : Ceiling concealed type (PEA)

Indoor unit		PEA-RP3EA		PEA-RP4EA		PEA-RP5EA		PEA-RP6EA	
Outdoor unit		PUHZ-RP3VHA		PUHZ-RP4VHA		PUHZ-RP5VHA		PUHZ-RP6VHA	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	7.1 (3.3-8.1)	8.4 (3.5-10.6)	10.0 (5.0-11.4)	11.2 (5.6-14.0)	12.5 (6.0-14.0)	14.0 (6.0-16.0)	14.0 (6.2-15.3)	16.0 (6.2-18.0)
Input	(kW)	2.48	2.51	3.25	3.20	4.42	4.30	5.03	4.73
COP		2.86	3.35	3.08	3.49	2.83	3.25	2.78	3.38
Indoor unit		PEA-RP3EA		PEA-RP4EA		PEA-RP5EA		PEA-RP6EA	
External finish		Galvanized sheets							
Power supply		Single phase, 50Hz, 240V							
Airflow (Lo-Hi)	CMM	22-27		27-34		34-42		48-60	
	L/S	367-450		450-567		567-700		800-1000	
External static pressure Pa (mmAq)		125Pa (12.7mmAq)							
Sound pressure level*	dB (A)	52-55		54-58				51-55	
Dimensions	Height (mm)	428							
	Width (mm)	785		1055		1255		1415	
	Depth (mm)	690							
Weight	(kg)	46		58		72		73	

SPECIFICATIONS : Outdoor unit

Outdoor unit		PUHZ-RP3VHA		PUHZ-RP4VHA		PUHZ-RP5VHA		PUHZ-RP6VHA	
External finish		Munsell 3.0Y 7.8/1.1							
Power supply		Single phase, 50Hz, 240V							
Compressor output	(kW)	1.6		1.9		2.4		2.9	
Airflow	CMM	55		100		100		100	
	L/S	920		1670		1670		1670	
Sound pressure level*	dB (A)	47	48	49	51	50	52	50	52
	Night mode	44		46		47		48	
Sound Power level	dB (A)	66		69		70		71	
Dimensions	Height (mm)	943				1,350			
	Width (mm)	950				950			
	Depth (mm)	330+30				330+30			
Weight	(kg)	75				121			
Chargelss piping length	(m)	30				30			
Max. piping length	(m)	50				75			
Protection device		Discharge thermo, HP switch				Discharge thermo, HP switch, LP switch			

*Notes: • Noise levels are measured in a soundproof test room. In actual applications, noise levels of these units may be perceived as higher due to sound emanating from the surroundings.
• Noise level of the outdoor unit is measured at point that is 1 meter away in length and 1.5 meters in height from the unit.

Notes for All Specifications

Rating conditions

Cooling - Indoor: 27°C (80° F) DB, 19°C (66° F) WB

Outdoor: 35°C (95° F) DB

Heating - Indoor: 20°C (68° F) DB

Outdoor: 7°C (45° F) DB, 6°C (43° F) WB

Refrigerant piping length (one-way); 5m (16ft.)

Total input based on indicated voltage (indoor/outdoor)

	Indoor	Outdoor
50Hz	1ph. 240V	1ph. 240V

Guaranteed Operating Range

		Indoor	Outdoor
Cooling	Upper limit	35°C (90°F) DB, 22.5°C (73.5°F) WB	46°C (110°F) DB
	Lower limit	19°C (70°F) DB, 15°C (59°F) WB	-5°C (23°F) DB
Heating	Upper limit	28°C (80°F)	21°C (70°F) DB, 15°C (59°F) WB
	Lower limit	17°C (68°F)	-11°C (23°F) DB, -12°C (21°F) WB

Refrigerant Piping

Capacity	Between indoor & outdoor units			Pipe size OD / mm (in.)	Pipe wall thickness
	Max. height difference / m (ft.)	Max. piping length / m (ft.)	Max. number of bends		
RP3	30 (98)	50 (164)	15	Liquid: $\varnothing 9.52$ (3 / 8)	0.8
				Gas : $\varnothing 15.88$ (5 / 8)	1.0
RP4 / RP5 / RP6	30 (98)	75 (246)	15	Liquid: $\varnothing 9.52$ (3 / 8)	0.8
				Gas : $\varnothing 15.88$ (5 / 8)	1.0

Quantity of Necessary Refrigerant [R410A: kg]

Capacity	Piping length (one way)							Factory charged
	10m	20m	30m	40m	50m	60m	75m	
RP3	Precharged with 3.5kg up to 30m			4.1	4.7	-	-	3.5
RP4	Precharged with 5.5kg up to 30m			6.1	6.7	7.3	7.9	5.5
RP5	Precharged with 5.5kg up to 30m			6.1	6.7	7.3	7.9	5.5
RP6	Precharged with 5.5kg up to 30m			6.1	6.7	7.3	7.9	5.5

Optional Parts for Outdoor Units

PAC-SG73RJ-E	Joint Pipe ($\varnothing 9.52$ -12.7)	PAC-SG64DP-E	Drain Pan
PAC-SG75RJ-E	Joint Pipe ($\varnothing 15.88$ -19.05)	PAC-SK52ST	Control/Service Tool
PAC-SG82DR-E	Filter Dryer ($\varnothing 9.52$)	SDD-50SR-E	Distribution Pipe (for twin use)
PAC-SG59SG-E	Air Outlet Guide	SDT-111R-E	Distribution Pipe (for triple use)
PAC-SG61DS-E	Drain Socket	PAC-SF50MA	A-M NET Converter (M-NET Adaptor)



Certificate
Number
49385



Certificate
Number
EC97J1227

Mitsubishi Electric Shizuoka Works acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of Quality warranties for the production of air conditioning equipment. The plant also acquired environmental management system standard ISO 14001 certification.

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