

Air Conditioning

Product Information

PLA-RP R410A 4-Way Blow Ceiling Cassette System

Standard Inverter Heat Pump (Three Phase)

Making a
World of
Difference

Mr.SUM.



The **PLA-RP Standard Inverter** range is a ceiling cassette system that blends a host of outstanding features with a sophisticated streamlined design. Offering advanced control options and quiet operation, this range provides extreme flexibility and ease of installation whilst being cost effective.

Key Features

- Improved airflow control, including horizontal airflow for greater comfort
- Optional 3D i-see sensor grille (PLP-6EAE) provides customised comfort by automatically monitoring room occupancy, position and body temperatures
- Optional filter lowering operation down to 4m (PLP-6EAJ)
- Replace Technology available
- New single fan chassis on 12.5 and 14kW models



Cooling | Heating | Ventilation | Controls

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PLA-RP - INDOOR UNITS		PLA-RP100EA	PLA-RP125EA	PLA-RP140EA
CAPACITY (kW)	Heating (nominal)	11.2 (2.8-12.5)	13.5 (4.8-15.0)	15.0 (4.9-15.8)
	Cooling (nominal)	9.4 (3.7-10.6)	12.1 (5.6-13.0)	13.6 (5.8-14.1)
	Heating (UK)	9.63 (2.41-10.75)	11.61 (4.13-12.9)	12.9 (4.21-13.59)
	Cooling (UK)	8.55 (3.37-9.65)	11.01 (5.1-11.83)	12.38 (5.28-12.83)
SHF (nominal)		0.77	0.73	0.70
COP / EER (nominal)		3.43 / 2.95	3.51 / 2.95	3.21 / 2.51
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.60 / 6.10	4.01 (160.2%) / 5.76 (230.3%)	4.00 (160.1%) / 5.76 (230.2%)
EP ENERGY EFFICIENCY CLASS Heating/Cooling		A++ / A++	N/A	N/A
AIRFLOW l/s Lo-Mi-Mi2-Hi		317-383-433-483	350-417-467-517	400-433-483-533
PIPE SIZE mm (in) Gas/Liquid		15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")
SOUND PRESSURE LEVEL (dBA) Lo-Mi-Mi2-Hi		31-34-37-40	33-37-41-44	36-39-42-44
SOUND POWER LEVEL (dBA)		61	65	65
DIMENSIONS (mm) Width x Depth x Height (Grille)		840 (950) x 840 (950) x 298 (40)	840 (950) x 840 (950) x 298 (40)	840 (950) x 840 (950) x 298 (40)
WEIGHT (kg) Unit / Panel		24 / 5	26 / 5	26 / 5
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4
GRILLE REFERENCE		PLP-6EA	PLP-6EA	PLP-6EA
WIRED REMOTE CONTROLLER REFERENCE		PAR-33MAA	PAR-33MAA	PAR-33MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E

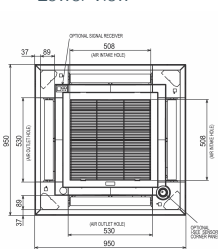
PUHZ-P - OUTDOOR UNITS		PUHZ-P100YKA	PUHZ-P125YKA	PUHZ-P140YKA
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		54 / 51	56 / 54	57 / 56
SOUND POWER LEVEL (dBA) Cooling		70	72	75
WEIGHT (kg)		78	85	85
DIMENSIONS (mm) Width x Depth x Height		1050 x 330 x 981	1050 x 330 x 981	1050 x 330 x 981
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three	Three
SYSTEM POWER Heating/Cooling (nominal)		3.26 / 3.18	3.84 / 4.10	4.67 / 5.42
INPUT (kW) Heating/Cooling (UK)		2.93 / 2.64	3.46 / 3.40	4.20 / 4.50
STARTING CURRENT (A)		2.9	4.0	4.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		5.3 / 5.3 [11.5]	6.8 / 6.4 [11.5]	8.9 / 7.9 [11.5]
FUSE RATING (BS88) - HRC (A)		16	16	16
MAINS CABLE No. Cores		5	5	5
MAX PIPE LENGTH (m)		50	50	50
MAX HEIGHT DIFFERENCE (m)		30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088) - 30m		3.30 / 6.89	3.80 / 7.93	3.80 / 7.93
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		1.20 / 2.51	1.20 / 2.51	1.20 / 2.51

3 Three Phase

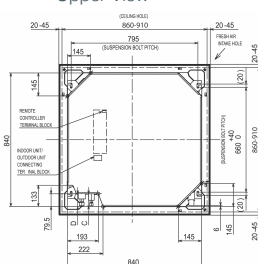
PRODUCT DIMENSIONS

PLA-RP100/125/140EA

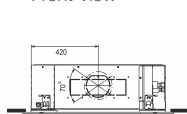
Lower View



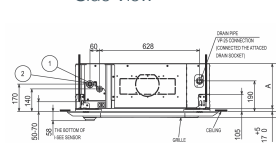
Upper View



Front View



Side View



PLA-RP.EA*:100/125/140

RP	①	②	A	B	C	D
100-140	REFRIGERANT PIPE Φ 9.52 FLARED CONNECTION 3/8"	REFRIGERANT PIPE Φ 15.88 FLARED CONNECTION 5/8"	281	298	79.5	75



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP-2088), R32 (GWP-675), R407C (GWP-1774) or R134a (GWP-1430). These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows: R410A (GWP-1975), R32 (GWP- 650), R407C (GWP-1650) or R134a (GWP-1300).



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