

Product Information

**PLA-RP R410A 4-Way Blow
Ceiling Cassette System**
Standard Inverter Heat Pump (Single 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



Air Conditioning

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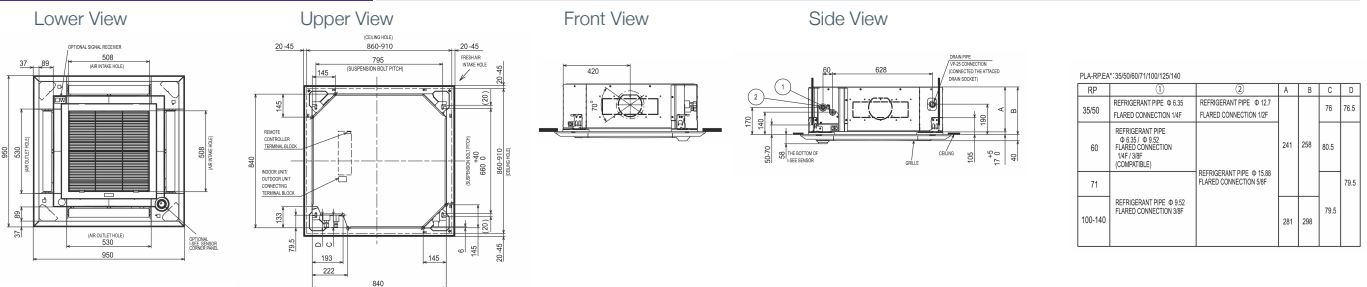


PLA-RP - INDOOR UNITS		PLA-RP35EA	PLA-RP50EA	PLA-RP60EA	PLA-RP71EA	PLA-RP100EA	PLA-RP125EA	PLA-RP140EA
CAPACITY (kW)	Heating (nominal)	4.1 (1.7-5.0)	5.8 (1.7-7.2)	6.9 (2.5-8.0)	8.0 (2.6-10.2)	11.2 (2.8-12.5)	13.5 (4.8-15.0)	15.0 (4.9-15.8)
	Cooling (nominal)	3.6 (1.4-3.9)	5.5 (2.3-5.6)	5.7 (2.3-6.3)	7.1 (2.8-8.1)	9.4 (3.7-10.6)	12.1 (5.6-13.0)	13.6 (5.8-14.1)
	Heating (UK)	3.49 (1.45-4.25)	4.93 (1.45-6.12)	5.87 (2.13-6.80)	6.80 (2.21-8.67)	9.63 (2.41-10.75)	11.61 (4.13-12.9)	12.9 (4.21-13.59)
	Cooling (UK)	3.31 (1.29-3.59)	5.06 (2.12-5.15)	5.25 (2.12-5.80)	6.53 (2.58-7.45)	8.55 (3.37-9.65)	11.01 (5.1-11.83)	12.38 (5.28-12.83)
SHF (nominal)		0.84	0.81	0.76	0.73	0.77	0.73	0.70
COP / EER (nominal)		4.10 / 3.50	3.43 / 3.40	3.50 / 3.23	3.56 / 3.38	3.43 / 2.95	3.51 / 2.95	3.21 / 2.51
SCOP (nsh) / SEER (nsc) (BS EN14825)		4.40 / 6.90	4.00 / 6.50	4.30 / 6.50	4.30 / 6.20	4.60 / 6.10	4.01 (160.2%) / 5.76 (230.3%)	4.00 (160.1%) / 5.76 (230.2%)
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A++	A+ / A++	A+ / A++	A+ / A++	A++ / A++	N/A	N/A
AIRFLOW (l/s)	Lo-Mi-Mi2-Hi	183-217-250-267	200-233-317-350	200-233-317-350	233-283-317-350	317-383-433-483	350-417-467-517	400-433-483-533
PIPE SIZE mm (in)	Gas/Liquid	9.52 (3/8") / 6.35 (1/4")	12.7 (1/2") / 6.35 (1/4")	15.88 (5/8") / 6.35 (1/4")	15.88 (5/8") / 9.52 (3/8")	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	26-28-29-31	27-29-31-32	27-29-31-32	28-30-32-34	31-34-37-40	33-37-41-44	36-39-42-44
SOUND POWER LEVEL (dBA)		51	54	54	56	61	65	65
DIMENSIONS (mm)	Width x Depth x Height (Grille)	840 (850) x 840 (850) x 258 (40)	840 (850) x 840 (850) x 258 (40)	840 (850) x 840 (850) x 258 (40)	840 (850) x 840 (850) x 258 (40)	840 (850) x 840 (850) x 258 (40)	840 (850) x 840 (850) x 258 (40)	840 (850) x 840 (850) x 258 (40)
WEIGHT (kg)	Unit / Panel	19 / 5	19 / 5	21 / 5	21 / 5	24 / 5	26 / 5	26 / 5
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4	4	4	4	4
GRILLE REFERENCE		PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA
WIRED REMOTE CONTROLLER REFERENCE		PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E
SUZ-KA / PUHZ-P - OUTDOOR UNITS		SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VKA	PUHZ-P125VKA	PUHZ-P140VKA
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	50 / 49	52 / 52	55 / 55	55 / 55	54 / 51	56 / 54	57 / 56
SOUND POWER LEVEL (dBA)	Cooling	62	65	65	69	70	72	75
WEIGHT (kg)		35	54	50	53	76	84	84
DIMENSIONS (mm)	Width x Depth x Height	800 x 285 x 550	840 x 330 x 880	840 x 330 x 880	840 x 330 x 880	1050 x 330 x 981	1050 x 330 x 981	1050 x 330 x 981
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single	Single
SYSTEM POWER	Heating/Cooling (nominal)	1.00 / 1.02	1.69 / 1.61	1.97 / 1.76	2.20 / 2.10	3.26 / 3.18	3.84 / 4.10	4.67 / 5.42
INPUT (kW)	Heating/Cooling (UK)	0.85 / 0.88	1.44 / 1.38	1.67 / 1.51	1.87 / 1.81	2.93 / 2.64	3.46 / 3.40	4.20 / 4.50
STARTING CURRENT (A)		4.7	7.7	8.7	9.9	7.0	11.1	11.1
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	4.7 / 4.6 [8.4]	7.3 / 7.7 [12.2]	7.8 / 8.7 [14.2]	9.3 / 9.9 [16.4]	14.3 / 14.3 [20]	18.3 / 17.9 [26.5]	23.95 / 20.9 [30]
FUSE RATING (BS88) - HRC (A)		10	20	20	20	32	40	40
MAINS CABLE No. Cores		3	3	3	3	3	3	3
MAX PIPE LENGTH (m)		20	30	30	30	50	50	50
MAX HEIGHT DIFFERENCE (m)		12	30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		1.15 / 2.40 (7m)	1.60 / 3.34 (7m)	1.60 / 3.34 (7m)	1.80 / 3.76 (7m)	3.30 / 6.89 (30m)	3.80 / 7.93 (30m)	3.80 / 7.93 (30m)
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		0.39 / 0.81	0.46 / 0.96	0.46 / 0.96	1.265 / 2.64	1.20 / 2.51	1.20 / 2.51	1.20 / 2.51

Note: No duty/standby operation on SUZ-KA35/50/60/71VA6.

PRODUCT DIMENSIONS

PLA-RP35/50/60/71/100/125/140EA



RP	①	②	A	B	C	D
35/50	REFRIGERANT PIPE Ø 6.35 FLARED CONNECTION 1/4"	REFRIGERANT PIPE Ø 12.7 FLARED CONNECTION 1/2"			76	76.5
60	REFRIGERANT PIPE Ø 9.52 FLARED CONNECTION 1/2" (COMPATIBLE)	REFRIGERANT PIPE Ø 15.88 FLARED CONNECTION 3/8"	241	258	80.5	
71	REFRIGERANT PIPE Ø 9.52 FLARED CONNECTION 3/8"	REFRIGERANT PIPE Ø 15.88 FLARED CONNECTION 3/8"				79.5
100-140	REFRIGERANT PIPE Ø 9.52 FLARED CONNECTION 3/8"		281	298		



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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: 550), R407C (GWP:1650) or R134a (GWP:1300).



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