

PLA-RP Power Inverter Heat Pump

R410A 4-Way Blow Ceiling Cassette System

New Models

- > Airflow controllable for ceiling heights up to 4.2m
- > Electronic fan speed control
- > Quiet start up cycle



Technical Information >>

PLA-RP - INDOOR UNITS								
MODEL REFERENCE		PLA-RP35AA	PLA-RP50AA	PLA-RP60AA	PLA-RP71AA	PLA-RP100AA	PLA-RP125AA	PLA-RP140AA
CAPACITY (kW)	Heating (nominal)	4.1 (1.6-5.2)	6.0 (2.5-7.3)	7.0 (2.8-8.2)	8.0 (3.5-10.2)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (5.0-18.0)
	Cooling (nominal)	3.6 (1.6-4.5)	5.0 (2.3-5.6)	6.0 (2.7-6.7)	7.1 (3.3-8.1)	10.0 (4.9-11.4)	12.5 (5.5-14.0)	14.0 (5.5-15.3)
	Heating (UK)	3.5 (1.35-4.4)	5.1 (2.15-6.2)	5.95 (2.4-6.95)	6.8 (3.0-8.65)	9.5 (3.85-11.9)	11.9 (4.25-13.6)	13.6 (4.25-15.3)
	Cooling (UK)	3.25 (1.45-4.05)	4.5 (2.05-5.05)	5.4 (2.45-6.05)	6.4 (2.95-7.3)	9.0 (4.4-10.25)	11.25 (4.95-13.75)	12.6 (4.95-13.75)
SHF (nominal)		0.89	0.86	0.78	0.74	0.75	0.74	0.71
COP / EER (nominal)		3.66 / 3.36	3.70 / 3.23	3.78 / 3.64	3.42 / 3.60	3.30 / 3.30	3.28 / 3.21	3.26 / 2.81
ENERGY LABEL Heating/Cooling		A / A	A / A	A / A	B / A	C / A	C / A	C / C
AIRFLOW (m3/min)		Lo-Mi1-Mi2-Hi	11-12-13-14	14-15-16-18	15-16-18-20	20-23-26-28	22-25-28-30	22-25-28-30
PIPE SIZE mm(in)	Gas	12.7 (1/2")	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Liquid	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
NOISE (dBA)		Lo-Mi1-Mi2-Hi	27-28-29-31	28-29-31-33	28-30-32-34	33-36-39-41	37-40-43-45	37-40-43-45
DIMENSIONS (mm) (Grille)	Width	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)
	Depth	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)
	Height	258 (30)	258 (30)	258 (30)	258 (30)	298 (30)	298 (30)	298 (30)
WEIGHT (kg)	Unit	24	24	24	24	30	32	32
	Panel	5	5	5	5	5	5	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
PHASE		Single	Single	Single	Single	Single	Single	Single
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-6AA	PLP-6AA	PLP-6AA	PLP-6AA	PLP-6AA	PLP-6AA	PLP-6AA
WIRED REMOTE CONTROLLER REFERENCE		PAR-21MAA	PAR-21MAA	PAR-21MAA	PAR-21MAA	PAR-21MAA	PAR-21MAA	PAR-21MAA

PUHZ-RP - OUTDOOR UNITS								
MODEL REFERENCE		PUHZ-RP35VHA	PUHZ-RP50VHA	PUHZ-RP60VHA	PUHZ-RP71VHA	PUHZ-RP100VHA/YHA	PUHZ-RP125VHA/YHA	PUHZ-RP140VHA/YHA
NOISE (dBA) Heating/Cooling		46 / 44	46 / 44	48 / 47	48 / 47	51 / 49	52 / 50	52 / 50
WEIGHT (kg)		45	45	75	75	121 / 135	121 / 135	121 / 135
DIMENSIONS (mm)	Width	800	800	950	950	950	950	950
	Depth	330 + 23	330 + 23	330 + 30	330 + 30	330 + 30	330 + 30	330 + 30
	Height	600	600	943	943	1350	1350	1350
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz / 380-415,50Hz	220-240v, 50Hz / 380-415,50Hz	220-240v, 50Hz / 380-415,50Hz
PHASE		Single	Single	Single	Single	Single / 3	Single / 3	Single / 3
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	1.12 / 1.07	1.62 / 1.55	1.85 / 1.65	2.34 / 1.97	3.39 / 3.03	4.27 / 3.89	4.91 / 4.99
	Heating/Cooling (UK)	1.00 / 0.91	1.44 / 1.32	1.65 / 1.40	2.08 / 1.68	3.02 / 2.58	3.80 / 3.31	4.37 / 4.25
STARTING CURRENT (A)		5	5	5	5	5	5	5
SYSTEM RUNNING CURRENT (A) Single Phase	Heating/Cooling	5.02 / 4.8	7.26 / 6.95	8.29 / 7.4	10.53 / 8.83	15.19 / 13.58	19.14 / 17.44	22.01 / 22.37
	3 Phase	-	-	-	-	5.58 / 5.04	7.05 / 6.49	8.01 / 8.13
FUSE RATING (BS88) – HRC (A)		16	16	25	25	32 / 16	32 / 16	40 / 16
MAINS CABLE No. Cores		3	3	3	3	3 / 5	3 / 5	3 / 5
MAX PIPE LENGTH (m)		50	50	50	50	75	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30	30
CHARGE R410A (kg) - 30m		2.5	2.5	3.5	3.5	5.0	5.0	5.0

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Technical drawing showing the front view of a rectangular duct with a central circular branch duct hole. The main duct has a width of 840 and a height of 100. The branch duct hole has a diameter of $\phi 175$. The distance from the center of the branch duct hole to the nearest side of the main duct is 350. The distance from the center of the branch duct hole to the nearest end of the main duct is 150. The drawing includes dimension lines and labels for "Branch duct hole (Cut out hole)", "840", "100", " $\phi 175$ ", "350", "150", "A", and "B".

Models	A	B
Size 35-71	241	258
Size 100-140	281	298

Technical drawing of the front view of a rectangular device. The overall width is 950 and the overall height is 577. The central feature is a large rectangular area with a grid pattern, labeled "Air intake hole" at the bottom. Above this central area is a smaller rectangular section labeled "Air outlet hole" with a width of 411. The distance from the top edge to the "Air outlet hole" is 51, and the distance from the "Air outlet hole" to the top edge of the central grid is 77. The distance from the bottom edge of the central grid to the bottom edge is 51, and the distance from the bottom edge of the central grid to the "Air outlet hole" is 77. The distance from the left edge to the left edge of the central grid is 411, and the distance from the right edge of the central grid to the right edge is 411. The distance from the left edge to the left edge of the "Air outlet hole" is 51, and the distance from the right edge of the "Air outlet hole" to the right edge is 51.