

PLA-RP Standard Inverter Heat Pump (Single Phase)

4-Way Blow Ceiling Cassette System



Our Standard Inverter range offers customers all the features and benefits of inverter technology whilst being cost effective.

Key Features

- Airflow controllable for ceiling heights up to 4.2m, with automatic adjustment of fan speed
- Reduced draft air distribution, with independent vane control
- Filter lowering operation down to 4m (optional PLP-6BAJ grille required)
- Optional 'i-see sensor' for energy saving and smooth temperature control throughout the room
- 3-phase Standard Inverters available



PLA-RP - INDOOR UNITS		PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA	PLA-RP100BA	PLA-RP125BA	PLA-RP140BA2
CAPACITY (kW)	Heating (nominal)	4.1 (1.7-5.0)	6.0 (1.7-7.2)	6.9 (2.5-8.0)	8.0 (2.6-10.2)	11.2 (4.5-12.5)	14.0 (5.0-16.0)	16.0 (5.0-18.0)
	Cooling (nominal)	3.6 (1.4-3.9)	5.5 (2.3-5.6)	6.1 (2.3-6.3)	7.1 (2.8-8.1)	9.4 (4.9-11.2)	12.3 (5.5-14.0)	13.6 (5.5-15.0)
	Heating (UK)	3.49 (1.45-4.25)	5.10 (1.45-6.12)	5.87 (2.13-6.80)	6.80 (2.21-8.67)	9.5 (3.85-10.65)	11.9 (4.25-13.6)	13.6 (4.25-15.3)
	Cooling (UK)	3.31 (1.29-3.59)	5.06 (2.12-5.15)	5.61 (2.12-5.80)	6.53 (2.58-7.45)	8.65 (4.5-10.3)	11.3 (5.05-12.9)	12.5 (5.05-13.8)
SHF (nominal & UK)		0.84	0.81	0.76	0.73	0.74	0.71	0.71
COP / EER (nominal)		3.94 / 3.30	3.43 / 3.31	3.50 / 3.32	3.56 / 3.38	3.41 / 3.01	3.41 / 3.01	3.21 / 2.61
SCOP / SEER (BS EN14825)		4.2 / 6.0	4.0 / 6.0	4.1 / 6.0	4.3 / 5.8	3.8 / 5.2	3.7 / 3.6	3.4 / 3.1
E/P ENERGY EFFICIENCY CLASS		A+ / A+	A+ / A+	A+ / A+	A+ / A+	A / A	N/A	N/A
AIRFLOW (m³/min)		Lo-Mi1-Mi2-Hi	11-12-13-15	12-14-16-18	12-14-16-18	14-16-18-21	20-23-26-30	22-25-28-31
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")
SOUND PRESSURE LEVEL (dBA)		Lo-Mi1-Mi2-Hi	27-28-29-31	28-29-31-32	28-29-31-32	28-30-32-34	32-34-37-40	34-36-39-41
SOUND POWER LEVEL (dBA)			54	55	55	56	62	63
DIMENSIONS (mm)		Width x Depth x Height (Grille)	840 (950) x 840 (950) x 258 (35)	840 (950) x 840 (950) x 258 (35)	840 (950) x 840 (950) x 258 (35)	840 (950) x 840 (950) x 258 (35)	840 (950) x 840 (950) x 298 (35)	840 (950) x 840 (950) x 298 (35)
WEIGHT (kg)		Unit / Panel	22 / 6	22 / 6	23 / 6	23 / 6	25 / 6	27 / 6
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
FUSE RATING (BS88) - HRC (A)			6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores			4	4	4	4	4	4
GRILLE REFERENCE			PLP-6BA	PLP-6BA	PLP-6BA	PLP-6BA	PLP-6BA	PLP-6BA
WIRED REMOTE CONTROLLER REFERENCE			PAR-31MAA	PAR-31MAA	PAR-31MAA	PAR-31MAA	PAR-31MAA	PAR-31MAA

SUZ-KA / PUHZ-P- OUTDOOR UNITS		SUZ-KA35VA4	SUZ-KA50VA4	SUZ-KA60VA4	SUZ-KA71VA4	PUHZ-P100VHA4	PUHZ-P125VHA3	PUHZ-P140VHA3
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		50 / 49	52 / 52	55 / 55	55 / 55	54 / 50	55 / 51	56 / 52
SOUND POWER LEVEL (dBA) Cooling		62	65	65	69	70	71	73
WEIGHT (kg)		35	54	50	53	75	99	99
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	950 x 330 x 30 x 943	950 x 330 x 30 x 1350	950 x 330 x 30 x 1350
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)	1.04 / 1.09	1.75 / 1.66	1.97 / 1.84	2.25 / 2.10	3.280 / 3.120	4.110 / 4.090	4.980 / 5.210
	Heating/Cooling (UK)	0.93 / 0.93	1.56 / 1.41	1.75 / 1.56	2.00 / 1.79	2.92 / 2.65	3.66 / 3.48	4.43 / 4.43
STARTING CURRENT (A)		5.0	7.7	8.7	9.7	12.0	15.0	15.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		5.00 / 5.00 [8.4]	7.70 / 7.40 [12.4]	7.90 / 8.70 [14.4]	9.20 / 9.70 [16.6]	15.57 / 14.92 [28.9]	17.68 / 18.37 [29.0]	22.31 / 23.55 [30.5]
FUSE RATING (BS88) - HRC (A)		10	20	20	20	32	32	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 R410A (kg)		1.15	1.45	1.55	1.9	3.0	4.5	4.5

Notes: All units charged to 7m (35-71), 30m (100-140) pipe length. No duty/standby operation on SUZ-KA35/50/60/71VA4.

Accessories

Indoor Units

PLP-6BA

Grille for PLA-RP35-140BA(2)

PAC-SH53TM

Multi function casement PLA-RP35-140BA(2)
for fresh air 100mm knockout or to hold the high
efficiency filter option

PLP-6BALM

Grille and infra-red controller PLA-RP35-140BA(2)

PLP-6BAJ

Grille with filter lowering function PLA-RP35-140BA(2)

PAC-SA1ME

Corner panel 'i-see sensor' PLA-RP35-140BA(2)

Outdoor Units

PAC-SG59SG

Air outlet guide for PUHZ-P100-140

System Control Units

PAC-SA89TA

Remote on/off adaptor

PAC-SA88HA

Run/fault adapter

PAC-SE41TS

Remote sensor

MAC-557IF

MELCloud WiFi interface

PAC-SF83MA

A/M-NET adaptor for PUHZ-P100-140VHA4(3)

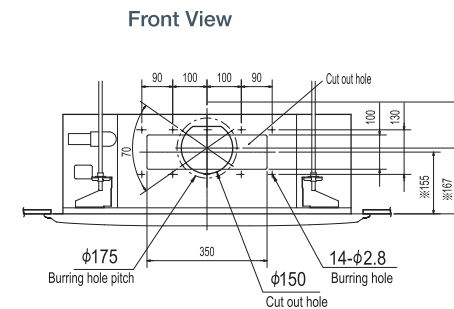
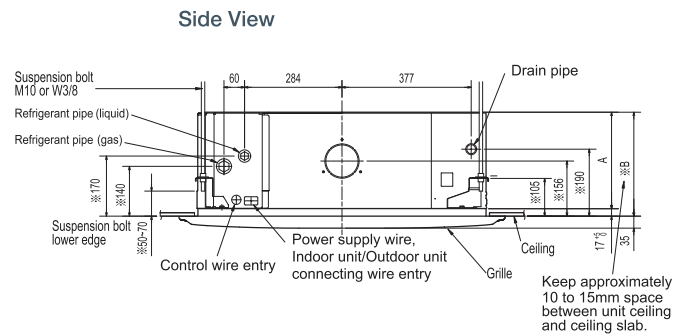
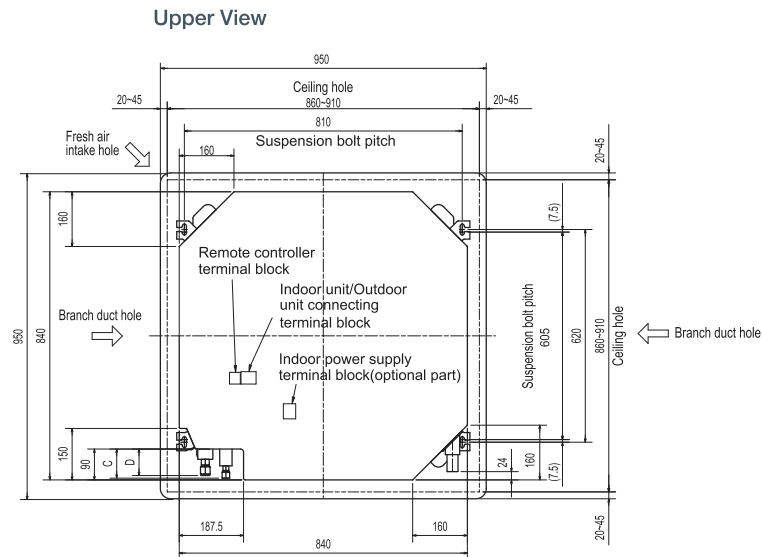
PAR-31MAA

Remote controller

Note: additional accessories are available, please see the Optional Extras page at the end of this section for the full range.

Product Dimensions

PLA-RP35/50/60/71/100/125/140BA(2)



Models	B	C	AD	E
PLA-RP35/50BA		80		
PLA-RP60BA	241	258	74	400
PLA-RP71BA		87		
PLA-RP100,125BA	281	298	85	77
PLA-RP140BA2				440

PLA-RP Standard Inverter Heat Pump (Three Phase)

4-Way Blow Ceiling Cassette System

Our Standard Inverter range offers customers all the features and benefits of inverter technology whilst being cost effective.

Key Features

- Airflow controllable for ceiling heights up to 4.2m, with automatic adjustment of fan speed
- Reduced draft air distribution, with independent vane control
- Filter lowering operation down to 4m (optional PLP-6BAJ grille required)
- Optional 'i-see sensor' for energy saving and smooth temperature control throughout the room



PLA-RP - INDOOR UNITS		PLA-RP100BA	PLA-RP125BA	PLA-RP140BA2
CAPACITY (kW)	Heating (nominal)	11.2 (4.5-12.5)	14.0 (5.0-16.0)	16.0 (5.0-18.0)
	Cooling (nominal)	9.4 (4.9-11.2)	12.3 (5.5-14.0)	13.6 (5.5-15.0)
	Heating (UK)	9.5 (3.85-10.65)	11.9 (4.25-13.6)	13.6 (4.25-15.3)
	Cooling (UK)	8.65 (4.5-10.3)	11.3 (5.05-12.9)	12.5 (5.05-13.8)
SHF (nominal & UK)		0.74	0.71	0.71
COP / EER (nominal)		3.41 / 3.01	3.41 / 3.01	3.21 / 2.61
SCOP / SEER (BS EN14825)		3.8 / 5.2	3.7 / 3.6	3.4 / 3.1
ErP ENERGY EFFICIENCY CLASS		A / A	N/A	N/A
AIRFLOW (m³/min)		20-23-26-30	22-25-28-31	24-26-29-32
PIPE SIZE mm (in)		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)		32-34-37-40	34-36-39-41	36-39-42-44
SOUND POWER LEVEL (dBA)		62	63	70
DIMENSIONS (mm)	Width x Depth x Height (Grille)	840 (950) x 840 (950) x 298 (35)	840 (950) x 840 (950) x 298 (35)	840 (950) x 840 (950) x 298 (35)
	Unit / Panel	25 / 6	25 / 6	27 / 6
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-6BA	PLP-6BA	PLP-6BA
WIRED REMOTE CONTROLLER REFERENCE		PAR-31MAA	PAR-31MAA	PAR-31MAA

PUHZ-P - OUTDOOR UNITS		PUHZ-P100YHA2 Three Phase	PUHZ-P125YHA Three Phase	PUHZ-P140YHA Three Phase
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		54 / 50	55 / 51	56 / 52
SOUND POWER LEVEL (dBA) Cooling		70	71	73
WEIGHT (kg)		77	101	101
DIMENSIONS (mm) Width x Depth x Height		950 x 330 + 30 x 943	950 x 330 + 30 x 1350	950 x 330 + 30 x 1350
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three	Three
SYSTEM POWER	Heating/Cooling (nominal)	3.280 / 3.120	4.110 / 4.090	4.980 / 5.210
	Heating/Cooling (UK)	2.92 / 2.65	3.66 / 3.48	4.43 / 4.43
INPUT (kW)				
STARTING CURRENT (A)		4.0	5.0	5.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		6.13 / 5.94 [13.9]	7.03 / 7.18 [14.0]	8.58 / 8.99 [14.0]
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 R410A (kg)		3.0	4.5	4.5

③ Three Phase Notes: All units charged to 7m (35-71), 30m (100-140) pipe length.

