

PLA-ZRP Power Inverter Heat Pump (Single Phase)

4-Way Blow Ceiling Cassette System



Our wide range of Power Inverters offer customers high seasonal efficiency, advanced control options and quiet operation, whilst providing greater flexibility and ease of installation.

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-ZRP - INDOOR UNITS		PLA-ZRP35BA	PLA-ZRP50BA	PLA-ZRP60BA	PLA-ZRP71BA	PLA-ZRP100BA	PLA-ZRP125BA	PLA-ZRP140BA
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 (5.7-18.0)
	Cooling (nominal)	3.6 (1.6-4.5)	5.0 (2.3-5.6)	6.1 (2.7-6.5)	7.1 (3.3-8.1)	10.0 (4.9-11.4)	12.5 (5.5-14.0)	13.4 (6.2-15.0)
	Heating (UK)	3.5 (1.35-4.4)	5.1 (2.15-6.2)	6.0 (2.38-6.97)	6.8 (3.0-8.65)	9.5 (3.85-11.9)	11.9 (4.25-13.6)	13.6 (4.85-15.3)
	Cooling (UK)	3.3 (1.45-4.15)	4.6 (2.1-5.15)	5.6 (2.48-5.98)	6.55 (3.05-7.45)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	12.9 (5.7-14.1)
SHF (nominal & UK)		0.96	0.84	0.77	0.85	0.74	0.74	0.72
COP / EER (nominal)		4.77 / 4.56	3.82 / 3.50	3.43 / 3.43	4.02 / 4.01	4.29 / 3.85	3.81 / 3.23	3.40 / 3.07
SCOP / SEER (BS EN14825)		4.6 / 6.8	4.6 / 6.4	4.2 / 6.1	4.5 / 6.7	4.6 / 6.5	4.1 / 6.0	4.5 / 6.1
EP ENERGY EFFICIENCY CLASS	Heating/Cooling	A++ / A++	A++ / A+	A+ / A++	A+ / A++	A++ / A++	N/A	N/A
AIRFLOW (m³/min)	Lo-Mi-Mi2-Hi	11-13-15-16	12-14-16-18	12-14-16-18	17-19-21-23	20-23-26-30	22-25-28-31	24-26-29-32
PIPE SIZE mm (in)	Gas/Liquid	12.7 (1/2") / 6.35 (1/4")	12.7 (1/2") / 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")	15.88 (5/8") / 9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)	Lo-Mi-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	36-39-42-44
SOUND POWER LEVEL (dBA)		54	55	55	58	65	66	70
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 298 (35)	840 (950) x 840 (950) x 298 (35)	840 (950) x 840 (950) x 298 (35)	840 (950) x 840 (950) x 298 (35)
WEIGHT (kg)	Unit / Panel	23 / 6	23 / 6	23 / 6	25 / 6	26 / 6	27 / 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	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-6BA	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	PAR-31MAA

PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP35VKA	PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA	PUHZ-ZRP100VKA	PUHZ-ZRP125VKA	PUHZ-ZRP140VKA
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		46 / 44	46 / 44	48 / 47	48 / 47	51 / 49	52 / 50	52 / 50
SOUND POWER LEVEL (dBA) Cooling		65	65	67	67	69	70	70
WEIGHT (kg)		43	46	67	67	116	116	119
DIMENSIONS (mm) Width x Depth x Height		809 x 300 + 23 x 630	809 x 300 + 23 x 630	950 x 330 + 30 x 943	950 x 330 + 30 x 943	1050 x 330 + 30 x 1338	1050 x 330 + 30 x 1338	1050 x 330 + 30 x 1338
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 INPUT (kW)	Heating/Cooling (nominal)	0.86 / 0.79	1.57 / 1.43	2.04 / 1.90	1.99 / 1.77	2.61 / 2.60	3.67 / 3.87	4.70 / 4.37
	Heating/Cooling (UK)	0.77 / 0.67	1.40 / 1.22	1.71 / 1.51	1.77 / 1.50	2.32 / 2.21	3.27 / 3.29	4.18 / 3.71
STARTING CURRENT (A)		4.0	5.0	5.0	6.0	12.0	12.0	12.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		4.17 / 3.82 [13.3]	7.13 / 6.49 [13.3]	9.14 / 7.98 [19.3]	8.80 / 7.81 [19.5]	11.90 / 11.87 [27.2]	16.37 / 17.30 [27.3]	21.14 / 19.75 [29.1]
FUSE RATING (BS88) - HRC (A)		16	16	25	25	32	32	40
MAINS CABLE No. Cores		3	3	3	3	3	3	3
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		2.2	2.4	3.5	3.5	5.0	5.0	5.0



Accessories

Indoor Units

PLP-6BA

Grille for PLA-ZRP35-140BA

PAC-SH53TM

Multi function casement PLA-ZRP35-140BA for fresh air 100mm knockout or to hold the high efficiency filter option

PLP-6BALM

Grille and infra-red controller PLA-ZRP35-140BA

PLP-6BAJ

Grille with filter lowering function PLA-ZRP35-140BA

PAC-SA1ME

Corner panel 'i-see sensor' PLA-ZRP35-140BA

Outdoor Units

PAC-SJ07SG

Air outlet guide for PUHZ-ZRP35-50VKA

PAC-SG59SG

Air outlet guide for PUHZ-ZRP60-71VHA

PAC-SH96SG

Air outlet guide for PUHZ-ZRP100-140VKA

System Control Units

PAC-SA89TA

Remote on/off adaptor

PAC-SA88HA

Run/fault adaptor

PAC-SE41TS

Remote sensor

MAC-557IF

MELCloud WiFi interface

PAC-SJ19MA

A/M-NET adaptor for PUHZ-ZRP35-50VKA

PAC-SF83MA

A/M-NET adaptor for PUHZ-ZRP60-140VHA (VKA)

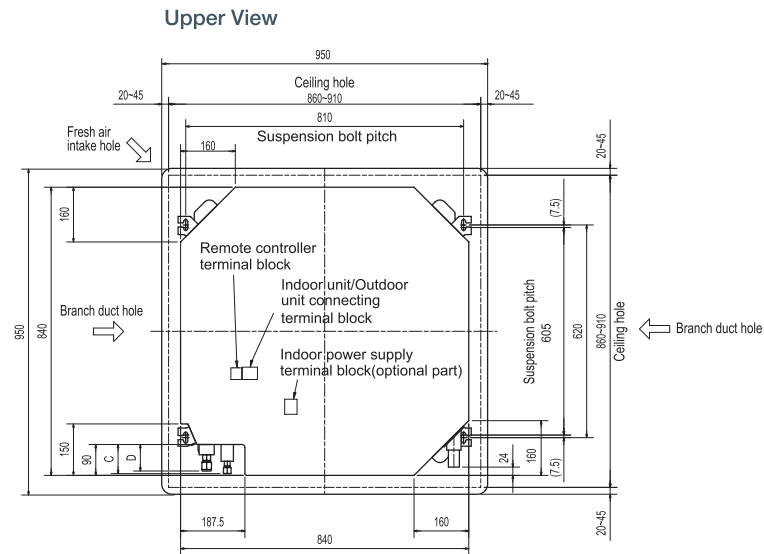
PAR-31MAA

Remote controller

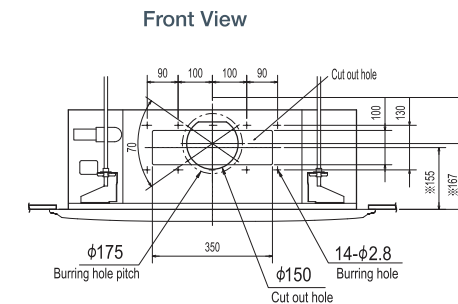
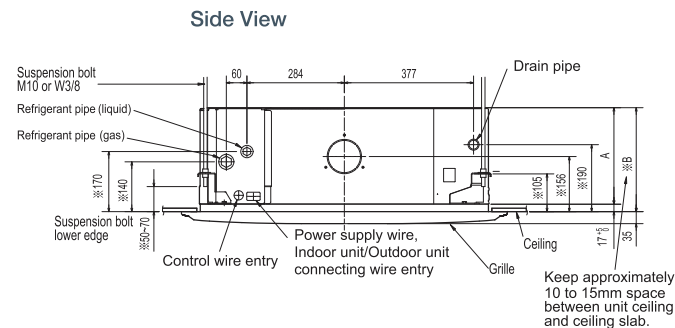
Note: additional accessories are available, please see the Optional Extras page at the end of this section for the full range.

Product Dimensions

PLA-ZRP35/50/60/71/100/125/140BA



Models	A	B	C	D	E
PLA-ZRP35BA	241	258	80	74	400
PLA-ZRP50BA			87		
PLA-ZRP60BA	281	298	85	77	440
PLA-ZRP71BA					
PLA-ZRP100BA					
PLA-ZRP125BA					
PLA-ZRP140BA					



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Remote on/off adaptor

PAC-SA88HA

Run/fault adaptor

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Remote sensor

MAC-557IF

MELCloud WiFi interface

PAC-SF83MA

A/M-NET adaptor for PUHZ-ZRP100-140YKA

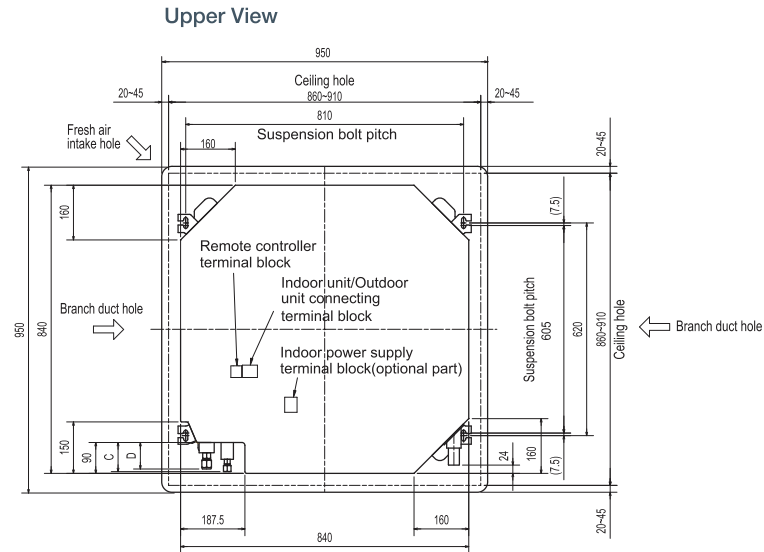
PAR-31MAA

Remote controller

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Product Dimensions

PLA-ZRP100/125/140BA



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PLA-ZRP125BA	281	298	85	77	440
PLA-ZRP140BA					

