

PCA-RP Power Inverter Heat Pump (Single Phase)

Ceiling Suspended 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

- Indoor unit designed for direct ceiling suspension
- Flush to wall installation for concealment of service connections



Note: High efficiency filter is optional.



PCA-RP - INDOOR UNITS		PCA-RP50KAQ	PCA-RP60KAQ	PCA-RP71KAQ	PCA-RP100KAQ	PCA-RP125KAQ	PCA-RP140KAQ
CAPACITY (kW)	Heating (nominal)	5.5 (2.5-6.6)	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)	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)	13.4 (6.2-15.0)
	Heating (UK)	4.7 (2.15-5.6)	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 (4.85-15.3)
	Cooling (UK)	4.6 (2.1-5.15)	5.5 (2.5-6.15)	6.55 (3.05-7.45)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	12.9 (5.7-13.8)
SHF (nominal & UK)		0.79	0.81	0.76	0.77	0.72	0.72
COP / EER (nominal)		3.79 / 3.73	3.63 / 3.67	3.64 / 3.90	3.68 / 3.75	3.68 / 3.14	3.50 / 3.39
SCOP / SEER (BS EN14825)		4.2 / 6.0	4.3 / 6.2	4.3 / 6.6	3.9 / 6.0	4.2 / 5.2	4.4 / 5.3
EPR ENERGY EFFICIENCY CLASS		A+ / A+	A+ / A++	A+ / A++	A / A+	N/A	N/A
AIRFLOW (m³/min)		Lo-Mi1-Mi2-Hi	10-11-13-15	15-16-17-19	16-17-18-20	22-24-26-28	23-25-27-29
PIPE SIZE mm (in)		Gas/Liquid	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")
SOUND PRESSURE LEVEL (dBA)		Lo-Mi1-Mi2-Hi	32-34-37-40	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45
SOUND POWER LEVEL (dBA)			60	60	62	63	65
DIMENSIONS (mm)		Width x Depth x Height	960 x 680 x 230	1280 x 680 x 230	1280 x 680 x 230	1600 x 680 x 230	1600 x 680 x 230
WEIGHT (kg)			25	32	32	36	39
ELECTRICAL SUPPLY			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
INTERCONNECTING CABLE No. Cores			4	4	4	4	4

PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA	PUHZ-ZRP100VKA	PUHZ-ZRP125VKA	PUHZ-ZRP140VKA
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		46 / 44	48 / 47	48 / 47	51 / 49	52 / 50	52 / 50
SOUND POWER LEVEL (dBA) Cooling		65	67	67	69	70	70
WEIGHT (kg)		46	67	67	116	116	119
DIMENSIONS (mm)		Width x Depth x Height	809 x 300 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
ELECTRICAL SUPPLY			220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE			Single	Single	Single	Single	Single
SYSTEM POWER		Heating/Cooling (nominal)	1.45 / 1.34	1.93 / 1.66	2.20 / 1.82	3.04 / 2.67	3.80 / 3.98
INPUT (kW)		Heating/Cooling (UK)	1.29 / 1.14	1.72 / 1.41	1.96 / 1.55	2.71 / 2.27	3.38 / 3.38
STARTING CURRENT (A)			5.0	5.0	6.0	12.0	12.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]			7.23 / 6.56 [13.4]	9.26 / 8.07 [19.4]	8.81 / 7.78 [19.4]	11.61 / 11.29 [27.2]	16.42 / 17.26 [27.3]
FUSE RATING (BS88) - HRC (A)			16	25	25	32	40
MAINS CABLE No. Cores			3	3	3	3	3
MAX PIPE LENGTH (m)			50	50	50	75	75
MAX HEIGHT DIFFERENCE (m)			30	30	30	30	30
CHARGE R410A (kg) - 30m			2.2	2.4	3.5	3.5	5.0



Accessories

Indoor Units

PAR-SL94B

Wireless remote controller and adaptor

Outdoor Units

PAC-SJ07SG

Air outlet guide for PUHZ-ZRP50VKA

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 adapter

PAC-SE41TS

Remote sensor

MAC-557IF

MELCloud WiFi interface

PAC-SJ19MA

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

PAC-SF83MA

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

PAR-31MAA

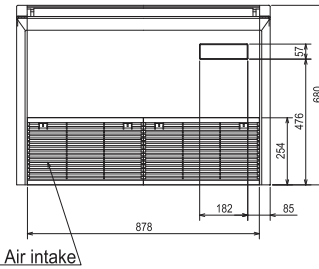
Remote controller

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

Product Dimensions

PCA-RP50KAQ

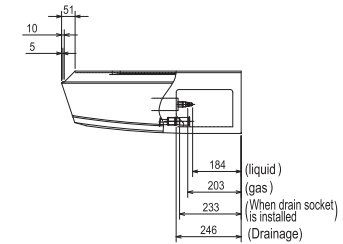
Front View



Upper View



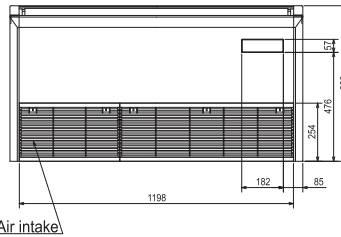
Back View



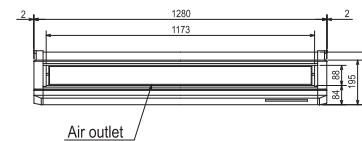
Product Dimensions

PCA-RP60/71KAQ

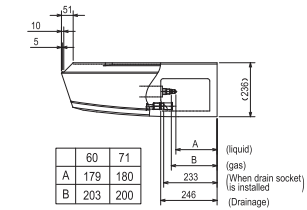
Front View



Upper View



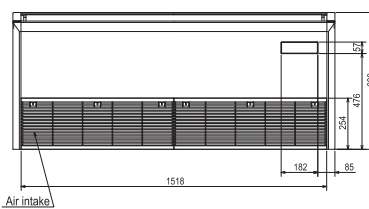
Back View



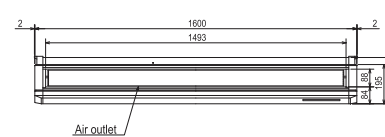
Product Dimensions

PCA-RP100/125/140KAQ

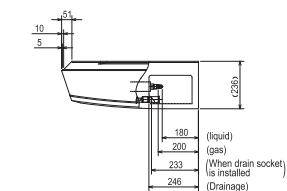
Front View



Upper View



Back View



PCA-RP Power Inverter Heat Pump (Three Phase)

Ceiling Suspended 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

- Indoor unit designed for direct ceiling suspension
- Flush to wall installation for concealment of service connections



Note: High efficiency filter is optional.



PCA-RP - INDOOR UNITS		PCA-RP100KAQ	PCA-RP125KAQ	PCA-RP140KAQ
CAPACITY (kW)	Heating (nominal)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (5.7-18.0)
	Cooling (nominal)	10.0 (4.9-11.4)	12.5 (5.5-14.0)	13.4 (6.2-15.0)
	Heating (UK)	9.5 (3.85-11.9)	11.9 (4.25-13.6)	13.6 (4.85-15.3)
	Cooling (UK)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	12.3 (5.7-13.8)
SHF (nominal & UK)		0.77	0.72	0.72
COP / EER (nominal)		3.68 / 3.75	3.68 / 3.14	3.50 / 3.39
SCOP / SEER (BS EN14825)		3.9 / 5.9	4.2 / 5.2	4.4 / 5.2
ErP ENERGY EFFICIENCY CLASS		A / A+	N/A	N/A
AIRFLOW (m³/min)		Lo-Mi1-Mi2-Hi	23-25-27-29	24-26-29-32
PIPE SIZE mm (in)		Gas/Liquid	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)		Lo-Mi1-Mi2-Hi	37-39-41-43	41-43-45-48
SOUND POWER LEVEL (dBA)			63	65
DIMENSIONS (mm)		Width x Depth x Height	1600 x 680 x 230	1600 x 680 x 230
WEIGHT (kg)			36	38
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

PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP100YKA Three Phase	PUHZ-ZRP125YKA Three Phase	PUHZ-ZRP140YKA Three Phase
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		51 / 49	52 / 50	52 / 50
SOUND POWER LEVEL (dBA) Cooling		69	70	70
WEIGHT (kg)		124	126	132
DIMENSIONS (mm) Width x Depth x Height		1050 x 330 + 30 x 1338	1050 x 330 + 30 x 1338	1050 x 330 + 30 x 1338
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three	Three
SYSTEM POWER Heating/Cooling (nominal)		3.04 / 2.67	3.80 / 3.98	4.57 / 3.95
INPUT (kW) Heating/Cooling (UK)		2.71 / 2.27	3.38 / 3.38	4.07 / 3.36
STARTING CURRENT (A)		4.0	4.0	4.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		4.53 / 4.49 [8.7]	6.30 / 6.60 [10.3]	8.04 / 7.51 [11.9]
FUSE RATING (BS88) - HRC (A)		16	16	16
MAINS CABLE No. Cores		5	5	5
MAX PIPE LENGTH (m)		75	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30
CHARGE R410A (kg) - 30m		5.0	5.0	5.0

③ Three Phase



Accessories

Indoor Units

PAR-SL94B

Wireless remote controller and adaptor

Outdoor Units

PAC-SH96SG

Air outlet guide for PUHZ-ZRP100-140YKA

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-ZRP100-140YKA

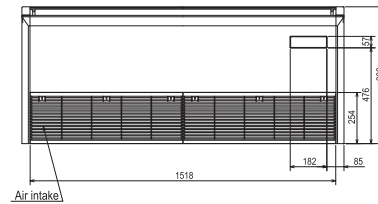
PAR-31MAA

Remote controller

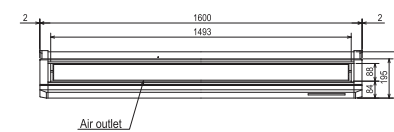
Product Dimensions

PCA-RP100/125/140KAQ

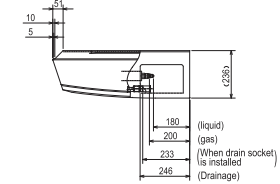
Front View



Upper View



Back View



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