

# 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)	9.5 (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 / 3.93	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	Heating/Cooling	A / A+	N/A	N/A
AIRFLOW (l/s)	Lo-Mi1-Mi2-Hi	367-400-433-467	383-417-450-483	400-433-483-533
PIPE SIZE mm (in)	Gas/Liquid	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	37-39-41-43	39-41-43-45	41-43-45-48
SOUND POWER LEVEL (dBA)		63	65	68
DIMENSIONS (mm)	Width x Depth x Height	1600 x 680 x 230	1600 x 680 x 230	1600 x 680 x 230
WEIGHT (kg)		36	38	39
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-ZRP100YKA2 Three Phase	PUHZ-ZRP125YKA2 Three Phase	PUHZ-ZRP140YKA2 Three Phase
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 49	52 / 50	52 / 50
SOUND POWER LEVEL (dBA)	Cooling	69	70	70
WEIGHT (kg)		123	125	131
DIMENSIONS (mm)	Width x Depth x Height	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three	Three
SYSTEM POWER	Heating/Cooling (nominal)	3.04 / 2.42	3.80 / 3.98	4.57 / 3.95
INPUT (kW)	Heating/Cooling (UK)	2.16 / 2.08	3.38 / 3.38	4.07 / 3.36
STARTING CURRENT (A)		4.0	4.0	4.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	4.07 / 4.04 [8.7]	6.30 / 6.60 [10.3]	8.04 / 7.51 [13.9]
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



## 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

#### PAC-YT52CRA

Simplified wired remote controller

#### PAR-31MAA

Wired remote controller

#### MAC-557IF

Interface for connection to WiFi MELCloud service

#### IO INTERFACE

Input / output interface

#### MELCOBEMS MINI

Modbus / BACnet Interface

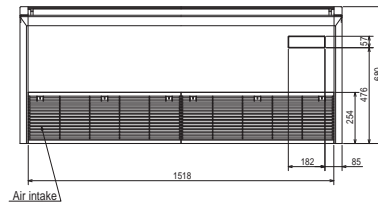
#### PAC-SF83MA

A/M-NET adaptor

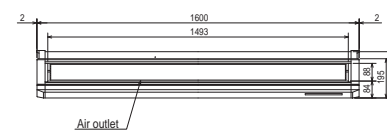
## Product Dimensions

PCA-RP100/125/140KAQ

Front View



Upper View



Back View

