

# PKA-RP Power Inverter Heat Pump

## Wall Mounted 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

- Flat panel, compact indoor unit design
- Adjustable louvres for uniform air distribution
- Internal pipe connection to wall mounted unit for easy and neat installation



PKA-RP - INDOOR UNITS		PKA-RP35HAL	PKA-RP50HAL	PKA-RP60KAL	PKA-RP71KAL	PKA-RP100KAL	PKA-RP100KAL
CAPACITY (kW)	Heating (nominal)	4.1 (1.6-5.2)	5.0 (2.5-7.3)	7.0 (2.8-8.2)	8.0 (3.5-10.2)	11.2 (4.5-14.0)	11.2 (4.5-14.0)
	Cooling (nominal)	3.6 (1.6-4.5)	4.6 (2.3-5.6)	6.1 (2.7-6.7)	7.1 (3.3-8.1)	9.5 (4.9-11.4)	9.5 (4.9-11.4)
	Heating (UK)	3.5 (1.35-4.4)	4.25 (2.15-6.2)	5.95 (2.4-6.95)	6.8 (3.0-8.65)	9.5 (3.85-11.9)	9.5 (3.85-11.9)
	Cooling (UK)	3.3 (1.45-4.15)	4.23 (2.1-5.15)	5.5 (2.5-6.15)	6.55 (3.05-7.45)	9.2 (4.5-10.5)	9.2 (4.5-10.5)
SHF (nominal & UK)		0.81	0.72	0.86	0.78	0.73	0.73
COP / EER (nominal)		3.83 / 3.83	3.33 / 3.26	3.57 / 3.81	3.65 / 3.94	3.68 / 3.96	3.68 / 3.96
SCOP / SEER (BS EN14825)		3.9 / 5.7	4.0 / 5.3	4.2 / 6.3	4.3 / 6.5	4.1 / 6.1	4.1 / 6.0
ErP ENERGY EFFICIENCY CLASS Heating/Cooling		A / A+	A+ / A	A+ / A++	A+ / A++	A+ / A++	A+ / A++
AIRFLOW (l/s) Lo-Mi-Hi		150-175-200	150-175-200	300-333-367	300-333-367	333-383-433	333-383-433
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")
	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")
SOUND PRESSURE LEVEL (dBA)		36-40-43	36-40-43	39-42-45	39-42-45	41-45-49	41-45-49
SOUND POWER LEVEL (dBA)		60	60	64	64	65	65
DIMENSIONS (mm) Width x Depth x Height		898 x 249 x 295	898 x 249 x 295	1170 x 295 x 365	1170 x 295 x 365	1170 x 295 x 365	1170 x 295 x 365
WEIGHT (kg)		13	13	21	21	21	21
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

PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3 <sup>3</sup>
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		46 / 44	46 / 44	48 / 47	48 / 47	51 / 49	51 / 49
SOUND POWER LEVEL (dBA) Cooling		65	65	67	67	69	69
WEIGHT (kg)		43	46	67	67	116	123
DIMENSIONS (mm) Width x Depth x Height		809 x 300 x 630	809 x 300 x 630	950 x 330 + 30 x 943	950 x 330 + 30 x 943	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	Single	Single	Single	Single	Three
SYSTEM POWER Heating/Cooling (nominal)		1.07 / 0.94	1.50 / 1.41	1.96 / 1.60	2.19 / 1.80	3.04 / 2.40	3.04 / 2.40
INPUT (kW) Heating/Cooling (UK)		0.89 / 0.80	1.26 / 1.20	1.64 / 1.36	1.84 / 1.53	2.55 / 2.04	2.55 / 2.04
STARTING CURRENT (A)		4.0	5.0	5.0	6.0	12.0	4.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		4.22 / 3.94 [13.4]	7.16 / 6.59 [13.4]	9.23 / 8.11 [19.4]	8.75 / 7.79 [19.4]	11.35 / 11.26 [27.1]	4.06 / 4.03 [8.6]
FUSE RATING (BS88) - HRC (A)		16	16	25	25	32	16
MAINS CABLE No. Cores		3	3	3	3	3	5
MAX PIPE LENGTH (m)		50	50	50	50	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30
CHARGE R410A (kg) - 30m		2.2	2.4	3.5	3.5	5.0	5.0

<sup>3</sup> Three Phase Note: Indoor price includes infra-red remote controller.



## Accessories

### Indoor Units

**S70 515 716**

Terminal block

**S71 000 028**

CN22 connector

### Outdoor Units

**PAC-SJ07SG**

Air outlet guide for PUHZ-ZRP35-50VKA2

**PAC-SG59SG**

Air outlet guide for PUHZ-ZRP60-71VHA2

**PAC-SH96SG**

Air outlet guide for PUHZ-ZRP100VKA3/YKA3

**PAC-SJ71FM-E**

30Pa outdoor fan motor for PUHZ-ZRP100-140VKA3

### 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-32MAA**

Wired remote controller

**MAC-557IF**

Interface for connection to WiFi MELCloud service

### IO INTERFACE

Input / output interface

**MELCOBEMS MINI**

Modbus / BACnet Interface

**PAC-SJ19MA**

A/M-NET adaptor for size 35 and 50

**PAC-SF83MA**

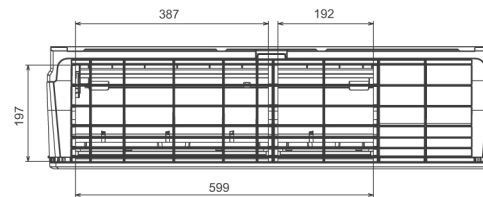
A/M-NET adaptor for size 60 to 100

Note: Please see page 1.3.70 for the full range of accessories.

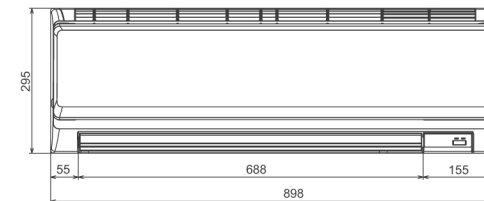
## Product Dimensions

PKA-RP35/50HAL

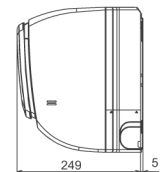
Upper View



Front View



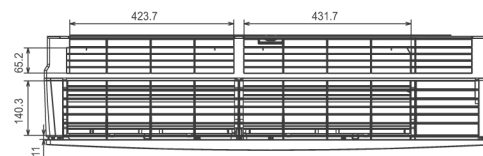
Side View



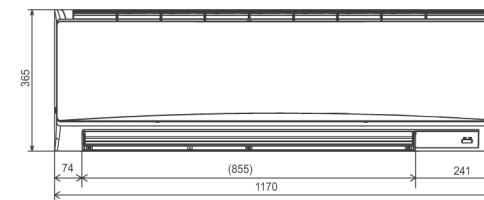
## Product Dimensions

PKA-RP60/71/100KAL

Upper View



Front View



Side View

