



## PKA-RP Standard Inverter Heat Pump

### Wall Mounted System

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

#### Key Features

- Swing Vane Mode with Auto Vane Shutter
- Infra-red remote controller
- Auto-Restart
- Quiet operation
- Auto-Changeover
- Hot Start - draught prevention
- Standard filter
- Quick clean design
- Replace Technology available
- Duty Standby Operation



# Air Conditioning

## Product Information

### PKA-RP Standard Inverter Heat Pump Wall Mounted System

Making a World of Difference



PKA-RP - INDOOR UNITS		PKA-RP100KAL	PKA-RP100KAL
CAPACITY (kW)	Heating (nominal)	11.2 (4.5-12.5)	11.2 (4.5-12.5)
	Cooling (nominal)	9.4 (4.9-11.2)	9.4 (4.9-11.2)
	Heating (UK)	9.5 (3.85-10.65)	9.5 (3.85-10.65)
	Cooling (UK)	8.65 (4.5-10.3)	8.65 (4.5-10.3)
SHF (nominal & UK)		0.75	0.75
COP / EER (nominal)		3.21 / 3.01	3.21 / 3.01
SCOP / SEER (BS EN14825)		3.8 / 4.8	3.8 / 4.8
ErP ENERGY EFFICIENCY CLASS Heating/Cooling		A / B	A / B
AIRFLOW (m³/min)	Lo-Mi-Hi	20-23-26	20-23-26
PIPE SIZE mm (in)	Gas	15.88 (5/8")	15.88 (5/8")
	Liquid	9.52 (3/8")	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA) Lo-Mi-Hi		41-45-49	41-45-49
SOUND POWER LEVEL (dBA)		65	65
DIMENSIONS (mm) Width x Depth x Height		1170 x 295 x 365	1170 x 295 x 365
WEIGHT (kg)		21	21
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6
INTERCONNECTING CABLE No. Cores		4	4

PUHZ-P - OUTDOOR UNITS		PUHZ-P100VHA4	PUHZ-P100YHA2 <sup>3</sup>
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		54 / 50	54 / 50
SOUND POWER LEVEL (dBA) Cooling		70	70
WEIGHT (kg)		75	77
DIMENSIONS (mm) Width x Depth x Height		950 x 330 + 30 x 943	950 x 330 + 30 x 943
ELECTRICAL SUPPLY		220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	3.49 / 3.12	3.49 / 3.12
	Heating/Cooling (UK)	3.11 / 2.65	3.11 / 2.65
STARTING CURRENT (A)		12.0	4.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		15.20 / 14.55 [ 28.6]	5.76 / 5.50 [13.6]
FUSE RATING (BS88) - HRC (A)		32	16
MAINS CABLE No. Cores		3	5
MAX PIPE LENGTH (m)		50	50
MAX HEIGHT DIFFERENCE (m)		30	30
CHARGE R410A (kg) - 20m		3.0	3.0

<sup>3</sup> Three Phase



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## 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

- Swing Vane Mode with Auto Vane Shutter
- Infra-red remote controller
- Auto-Restart
- Quiet operation
- Auto-Changeover
- Hot Start - draught prevention
- Factory charged refrigerant up to 30m
- Standard filter
- Quick clean design
- Replace Technology available
- Refrigerant volume check function
- Duty Standby Operation
- Demand Control
- Noise Reduction
- Optional Heating Only



# Air Conditioning

## Product Information

### PKA-RP Power Inverter Heat Pump Wall Mounted System

Making a  
World of  
Difference



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)	10.0 (4.9-11.4)	10.0 (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 / 3.77	3.68 / 3.77	
SCOP / SEER (BS EN14825)	3.9 / 5.7	4.0 / 5.3	4.2 / 6.3	4.3 / 6.5	4.0 / 6.1	4.0 / 6.0	
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A / A+	A+ / A	A+ / A++	A+ / A++	A+ / A++	A+ / A+
AIRFLOW (m³/min)	Lo-Mi-Hi	9-10.5-12	9-10.5-12	18-20-22	18-20-22	20-23-26	20-23-26
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			
WEIGHT (kg)		13	13	21	21	21	21
ELECTRICAL SUPPLY		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-ZRP35VKA	PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA	PUHZ-ZRP100VKA	PUHZ-ZRP100YKA <sup>3</sup> Three Phase
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	124
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 + 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	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 / 2.65	3.04 / 2.65
	INPUT (kW)	Heating/Cooling (UK)	0.84 / 0.91	1.25 / 1.28	1.42 / 1.67	1.60 / 1.86	2.36 / 2.58
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]	11.46 / 11.44 [27.1]	4.82 / 4.41 [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



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# PKA-RP Power Inverter Heat Pump

## High SHF Wall Mounted System

This connection provides a low cost split system solution to high sensible applications such as server rooms and laboratories where there is a need for sensible cooling.

### Key Features

- High SHF (0.94) system for use in server rooms and laboratories
- Flat panel, compact indoor unit design
- Adjustable louvres for uniform air distribution
- Internal pipe connection to wall mounted unit for easy and neat installation
- Duty Standby Operation available using multiple outdoor units (via PAR-31MAA)
- Able to connect to Run Standby Panel PANEL\_RS\_SMS (via Procon A1M). A maximum of 8 indoor units can be connected in this way, see the Controls section for further information
- Gravity drain to rear of indoor unit for safe installation and operation



PKA-RP - INDOOR UNITS		PKA-RP100KAL
CAPACITY (kW)	Cooling	6.0
SHF	(35°C outdoor / 27°C DB indoor, 47% relative humidity)	0.94
SHF	(35°C outdoor / 24°C DB indoor, 45% relative humidity)	0.96
EER	(35°C outdoor / 27°C DB indoor, 47% relative humidity)	4.29
EER	(35°C outdoor / 24°C DB indoor, 45% relative humidity)	3.75
SCOP / SEER (BSEN14825)		N/A
EP ENERGY EFFICIENCY CLASS	Heating/Cooling	N/A
AIRFLOW (m³/min)	Lo-Mi-Hi	20-23-26
PIPE SIZE mm (in)	Gas	15.88 (5/8")
	Liquid	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)	Lo-M-Hi	41-45-49
SOUND POWER LEVEL (dBA)		-
DIMENSIONS (mm)	Width x Depth x Height	1170 x 295 x 365
WEIGHT (kg)		21
ELECTRICAL SUPPLY		Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6
INTERCONNECTING CABLE No. Cores		4

PUHZ-RP - OUTDOOR UNITS		PUHZ-RP60VHA4
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling (silent)	48 / 47 (44)
SOUND POWER LEVEL (dBA)	Heating/Cooling	-
WEIGHT (kg)		67
DIMENSIONS (mm)	Width x Depth x Height	950 x 330 + 30 x 943
ELECTRICAL SUPPLY		220-240v, 50Hz
PHASE		Single
SYSTEM POWER INPUT (kW)		
Cooling	(35°C outdoor / 27°C DB indoor, 47% relative humidity)	1.4
Cooling	(35°C outdoor / 24°C DB indoor, 45% relative humidity)	1.6
STARTING CURRENT (A)		5
MAX SYSTEM RUNNING CURRENT (A)		19.6
FUSE RATING (BS88) - HRC (A)		20
MAINS CABLE No. Cores		3
MAX PIPE LENGTH (m)		50
MAX HEIGHT DIFFERENCE (m)		30
CHARGE R410A (kg) - 20m		3.5

Note: Indoor price includes infra-red remote controller.



## PKA-RP Zubadan Inverter Heat Pump Wall Mounted System

The Mr Slim Zubadan Inverter heat pumps achieve an excellent heating performance even when the outdoor air temperature is as low as  $-25^{\circ}\text{C}$  and can also maintain full heating capacity at  $-15^{\circ}\text{C}$ .

### Key Features

- Swing Vane Mode with Auto Vane Shutter
- Infra-red remote controller
- Auto-Restart
- Quiet operation
- Auto-Changeover
- Hot Start - draught prevention
- Factory charged refrigerant up to 30m
- Standard filter
- Quick clean design
- Replace Technology available
- Refrigerant volume check function
- Duty Standby Operation
- Demand Control
- Noise Reduction



# Air Conditioning

## Product Information

### PKA-RP Zubadan Inverter Heat Pump Wall Mounted System

Making a  
World of  
Difference



**ZUBADAN**

PKA-RP - INDOOR UNITS		PKA-RP100KAL	PKA-RP100KAL
CAPACITY (kW)	Heating (nominal)	11.2 (4.5-14.0)	11.2 (4.5-14.0)
	Cooling (nominal)	10.0 (4.9-11.4)	10.0 (4.9-11.4)
	Heating (UK)	11.1 (4.45-13.85)	11.1 (4.45-13.85)
	Cooling (UK)	9.2 (4.5-10.5)	9.2 (4.5-10.5)
SHF (nominal & UK)		0.73	0.73
COP / EER (nominal)		3.61 / 3.42	3.61 / 3.42
SCOP / SEER		3.8 / 5.2	3.8 / 5.2
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A / A	A / A
AIRFLOW (m³/min)	Lo-Mi-Hi	20-23-26	20-23-26
PIPE SIZE mm (in)	Gas	15.88 (5/8")	15.88 (5/8")
	Liquid	9.52 (3/8")	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)	Lo-Mi-Hi	41-45-49	41-45-49
SOUND POWER LEVEL (dBA)		65	65
DIMENSIONS (mm)	Width x Depth x Height	1170 x 295 x 365	1170 x 295 x 365
WEIGHT (kg)		21	21
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6
INTERCONNECTING CABLE No. Cores		4	4

PUHZ-SHW - OUTDOOR UNITS		PUHZ-SHW112YHA	PUHZ-SHW112YHA Three Phase <sup>③</sup>
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	52 / 51	52 / 51
SOUND POWER LEVEL (dBA)	Heating/Cooling	69	69
WEIGHT (kg)		120	134
DIMENSIONS (mm)	Width x Depth x Height	950 x 330 + 30 x 1350	950 x 330 + 30 x 1350
ELECTRICAL SUPPLY		220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	Three
SYSTEM POWER	Heating/Cooling (nominal)	3.103 / 2.924	3.103 / 2.924
INPUT (kW)	Heating/Cooling (UK)	2.76 / 2.49	2.76 / 2.49
STARTING CURRENT (A)		14	3
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	11.78 / 11.67 [35.6]	4.24 / 4.26 [13.6]
FUSE RATING (BS88) - HRC (A)		40	16
MAINS CABLE No. Cores		3	5
MAX PIPE LENGTH (m)		75	75
MAX HEIGHT DIFFERENCE (m)		30	30
CHARGE R410A (kg) - 30m		5.5	5.5

<sup>③</sup> Three Phase

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