Air Conditioning

Product Information

PCA-RP100KAQ: Standard Inverter Heat

Pump

R410A Ceiling Suspended System





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



FEATURES





























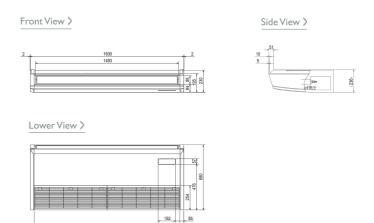




Heating Capacity (kW) (nominal)	INDOOR	
Heating Capacity (kW) (UK) 9.5 (3.85 - 10.65) Cooling Capacity (kW) (UK) 8.65 (4.5 - 10.3) SHF (nominal and UK) 0.77 COP / EER (nominal) 3.41 / 3.00 SCOP / SEER 3.8 / 5.1 Energy Efficiency Class - Heating / Cooling A / A Pipe Size Gas (mm [in]) 15.88 (5/8") Pipe Size Liquid (mm ([in]) 9.52 (3/8") Airflow (m³/min) Lo-Mi-Mi2-Hi 22 - 24 - 26 - 28 Sound Pressure Level (dBA) Lo-Mi-Mi2-Hi 37 - 39 - 41-43 Sound Power Level (dBA) Cooling 63 Dimensions (mm) Width x Depth x Height 1600 - 680 - 230 Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Power Level (dBA) Deoling 75 Sound Power Level (dBA) Cooling 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE S	Heating Capacity (kW) (nominal)	11.2 (4.5 - 12.5)
Cooling Capacity (kW) (UK) 8.65 (4.5 - 10.3) SHF (nominal and UK) 0.77 COP / EER (nominal) 3.41 / 3.00 SCOP / SEER 3.8 / 5.1 Energy Efficiency Class - Heating / Cooling A / A Pipe Size Gas (mm [in]) 15.88 (5/8") Pipe Size Liquid (mm (lin]) 9.52 (3/8") Airflow (m³/min) Lo-Mi-Mi2-Hi 22 - 24 - 26 - 28 Sound Pressure Level (dBA) Lo-Mi-Mi2-Hi 37 - 39 - 41-43 Sound Power Level (dBA) Cooling 63 Dimensions (mm) Width x Depth x Height 1600 - 680 - 230 Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 2.92 / 2.66	Cooling Capacity (kW) (nominal)	9.4 (4.9 - 11.2)
SHF (nominal and UK) 0.77 COP / EER (nominal) 3.41 / 3.00 SCOP / SEER 3.8 / 5.1 Energy Efficiency Class - Heating / Cooling A / A Pipe Size Gas (mm [in]) 15.88 (5/8") Pipe Size Liquid (mm (lin]) 9.52 (3/8") Airflow (m³/min) Lo-Mi-Mi2-Hi 22 - 24 - 26 - 28 Sound Pressure Level (dBA) Lo-Mi-Mi2-Hi 37 - 39 - 41-43 Sound Power Level (dBA) Cooling 63 Dimensions (mm) Width x Depth x Height 1600 - 680 - 230 Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR 54 / 50 Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK)	Heating Capacity (kW) (UK)	9.5 (3.85 - 10.65)
COP / SEER 3.41/3.00 SCOP / SEER 3.8 / 5.1 Energy Efficiency Class - Heating / Cooling A / A Pipe Size Gas (mm [in]) 15.88 (5/8") Pipe Size Liquid (mm ([in]) 9.52 (3/8") Airflow (m³/min) Lo-Mi-Mi2-Hi 22 - 24 - 26 - 28 Sound Pressure Level (dBA) Lo-Mi-Mi2-Hi 37 - 39 - 41-43 Sound Power Level (dBA) Cooling 63 Dimensions (mm) Width x Depth x Height 1600 - 680 - 230 Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 15.35 / 14.63 [28.7] Cooling 2.92 / 2.66 Weight Difference (m)	Cooling Capacity (kW) (UK)	8.65 (4.5 - 10.3)
SCOP / SEER	SHF (nominal and UK)	0.77
Energy Efficiency Class - Heating / Cooling	COP / EER (nominal)	3.41 / 3.00
Pipe Size Gas (mm [in]) 15.88 (5/8") Pipe Size Liquid (mm ([in]) 9.52 (3/8") Airflow (m³/min) Lo-Mi-Mi2-Hi 22 - 24 - 26 - 28 Sound Pressure Level (dBA) Lo-Mi-Mi2-Hi 37 - 39 - 41-43 Sound Power Level (dBA) Cooling 63 Dimensions (mm) Width x Depth x Height 1600 - 680 - 230 Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 15.35 / 14.63 [28.7] Cooling 2.92 / 2.66 Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Mains Cable No. Cores 3 Max P	SCOP / SEER	3.8 / 5.1
Pipe Size Liquid (mm ([in]) 9.52 (3/8") Airflow (m³/min) Lo-Mi-Mi2-Hi 22 - 24 - 26 - 28 Sound Pressure Level (dBA) Lo-Mi-Mi2-Hi 37 - 39 - 41-43 Sound Power Level (dBA) Cooling 63 Dimensions (mm) Width x Depth x Height 1600 - 680 - 230 Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 15.35 / 14.63 [28.7] Cooling 2.92 / 2.66 Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Mains Cable No. Cores 3	Energy Efficiency Class - Heating / Cooling	A/A
Airflow (m³/min) Lo-Mi-Mi2-Hi	Pipe Size Gas (mm [in])	15.88 (5/8")
Sound Pressure Level (dBA) Lo-Mi-Mi2-Hi 37 - 39 - 41-43 Sound Power Level (dBA) Cooling 63 Dimensions (mm) Width x Depth x Height 1600 - 680 - 230 Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 UK) 32 Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Cooling 15.35 / 14.63 [28.7] Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 <t< td=""><td>Pipe Size Liquid (mm ([in])</td><td>9.52 (3/8")</td></t<>	Pipe Size Liquid (mm ([in])	9.52 (3/8")
Sound Power Level (dBA) Cooling Dimensions (mm) Width x Depth x Height 1600 - 680 - 230 Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) System Power Input (kW) - Heating / Cooling (UK) Starting Current (A) System Running Current (A) [MAX] - Heating / Cooling Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) Max Height Difference (m) 36 SINGLE 36 SINGLE 37 SINGLE 38 SINGLE 39 SINGLE 30 SINGLE 30 SINGLE 30 SINGLE 30 SINGLE 30 SINGLE 31 System Power Input (kW) - Heating / Cooling (UK) Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50	Airflow (m³/min) Lo-Mi-Mi2-Hi	22 - 24 - 26 - 28
Dimensions (mm) Width x Depth x Height 1600 - 680 - 230 Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 (nominal) System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Cooling 32 Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Sound Pressure Level (dBA) Lo-Mi-Mi2-Hi	37 - 39 - 41-43
Weight (kg) 36 Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 (nominal) System Power Input (kW) - Heating / Cooling (UK) 15.35 / 14.63 [28.7] System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Cooling 15.35 / 14.63 [28.7] Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Sound Power Level (dBA) Cooling	63
Electrical Supply FED BY OUTDOOR UNIT Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 (nominal) System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 (UK) Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] (Cooling Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Dimensions (mm) Width x Depth x Height	1600 - 680 - 230
Phase SINGLE Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 (nominal) System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 (UK) Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] (Cooling Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Weight (kg)	36
Fuse Rating (BS88) - HRC (A) 6 Interconnecting Cable No. Cores 4 OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Cooling 32 Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Electrical Supply	FED BY OUTDOOR UNIT
DUTDOOR	Phase	SINGLE
OUTDOOR Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Cooling 32 Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Fuse Rating (BS88) - HRC (A)	6
Sound Pressure Level (dBA) Heating / Cooling 54 / 50 Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 (nominal) System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 (UK) Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Cooling 32 Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Interconnecting Cable No. Cores	4
Sound Power Level (dBA) Cooling 70 Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	OUTDOOR	
Weight (kg) 75 Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Cooling 32 Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Sound Pressure Level (dBA) Heating / Cooling	54 / 50
Dimensions (mm) Width x Depth x Height 950 x (300+30) x 943 Electrical Supply 220-240V, 50HZ Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Cooling 32 Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Sound Power Level (dBA) Cooling	70
Electrical Supply 220-240V, 50HZ	Weight (kg)	75
Phase SINGLE System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Dimensions (mm) Width x Depth x Height	950 x (300+30) x 943
System Power Input (kW) - Heating / Cooling (nominal) 3.28 / 3.13 (nominal) System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 (UK) Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Electrical Supply	220-240V, 50HZ
(nominal) 2.92 / 2.66 System Power Input (kW) - Heating / Cooling (UK) 2.92 / 2.66 Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Phase	SINGLE
(UK) Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30		3.28 / 3.13
Starting Current (A) 12 System Running Current (A) [MAX] - Heating / Cooling 15.35 / 14.63 [28.7] Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30		2.92 / 2.66
System Running Current (A) [MAX] - Heating / 15.35 / 14.63 [28.7] Cooling 15.35 / 14.63 [28.7] Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30		12
Fuse Rating (BS88) - HRC (A) 32 Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	System Running Current (A) [MAX] - Heating /	15.35 / 14.63 [28.7]
Mains Cable No. Cores 3 Max Pipe Length (m) 50 Max Height Difference (m) 30	Fuse Rating (BS88) - HRC (A)	32
Max Height Difference (m) 30	* , , , , , , , , , , , , , , , , , , ,	3
Max Height Difference (m) 30	Max Pipe Length (m)	50
Charge R410A (kg) - pre charged length (m) 3 - 30	1 0 ()	30
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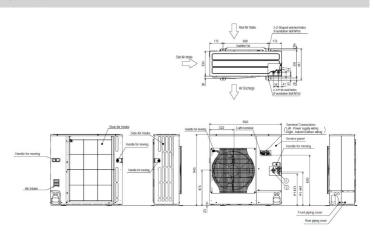
DIMENSIONS

PCA-RP100KAQ



DIMENSIONS

PUHZ-P100VHA4





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