

# PCA-RP Power Inverter Heat Pump

## R410A Ceiling Suspended System

New Models

- > Split system comprising of ceiling suspended indoor unit, outdoor unit and wall mounted control panel
- > Indoor unit designed for direct ceiling suspension
- > Flush to wall installation for concealment of service connections
- > Electronic control includes learning defrost, fault finding diagnostics, low ambient fan speed control and anti-phase/ single phase protection



Technical Information >>

### PCA-RP - INDOOR UNITS

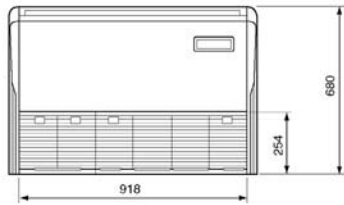
MODEL REFERENCE		PCA-RP50GA	PCA-RP60GA	PCA-RP71GA	PCA-RP100GA	PCA-RP125GA	PCA-RP140GA
CAPACITY (kW)	Heating (nominal)	5.5 (2.5-6.6)	7.0 (2.8-8.2)	8.0 (3.5-10.2)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (5.0-18.0)
	Cooling (nominal)	4.7 (2.3-5.4)	6.0 (2.7-6.7)	7.1 (3.3-8.1)	10.0 (4.9-11.4)	12.5 (5.5-14.0)	14.0 (5.5-15.3)
	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 (4.25-15.3)
	Cooling (UK)	4.25 (2.05-4.85)	5.4 (2.45-6.05)	6.4 (2.95-7.3)	9.0 (4.4-10.25)	11.25 (4.95-12.6)	12.6 (4.95-13.75)
SHF (nominal)		0.76	0.81	0.74	0.75	0.77	0.74
COP / EER (nominal)		3.22 / 2.81	3.45 / 3.68	3.29 / 3.32	3.44 / 3.42	3.23 / 3.21	3.48 / 2.82
ENERGY LABEL	Heating/Cooling	C / C	B / A	C / A	B / A	C / A	B / C
AIRFLOW (m3/min)	Lo-Mi1-Mi2-Hi	10-11-12-13	14-15-16-18	14-15-16-18	20-21-23-25	27-30-32-34	27-30-32-34
PIPE SIZE mm(in)	Gas	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Liquid	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
NOISE (dBA)	Lo-Mi1-Mi2-Hi	37-38-40-42	37-39-41-43	37-39-41-43	40-41-43-45	41-43-45-46	42-44-46-48
DIMENSIONS (mm)	Width	1000	1310	1310	1310	1620	1620
	Depth	680	680	680	680	680	680
	Height	210	210	210	270	270	270
WEIGHT (kg)		27	34	34	37	43	45
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
PHASE		Single	Single	Single	Single	Single	Single
FUSE RATING (BS88) – HRC (A)		6	6	6	6	6	6
INTERCONNECTING CABLE No. CORES		4	4	4	4	4	4

### PUHZ-RP - OUTDOOR UNITS

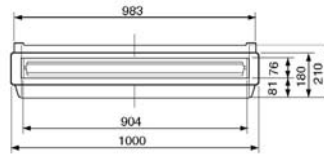
MODEL REFERENCE		PUHZ-RP50VHA	PUHZ-RP60VHA	PUHZ-RP71VHA	PUHZ-RP100VHA/YHA	PUHZ-RP125VHA/YHA	PUHZ-RP140VHA/YHA
NOISE (dBA)	Heating/Cooling	46 / 44	48 / 47	48 / 47	51 / 49	52 / 50	52 / 50
WEIGHT (kg)		45	75	75	121 / 135	121 / 135	121 / 135
DIMENSIONS (mm)	Width	800	950	950	950	950	950
	Depth	330 + 23	330 + 30	330 + 30	330 + 30	330 + 30	330 + 30
	Height	600	943	943	1350	1350	1350
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz / 380-415.50Hz	220-240v, 50Hz / 380-415.50Hz	220-240v, 50Hz / 380-415.50Hz
PHASE		Single	Single	Single	Single / 3	Single / 3	Single / 3
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	1.71 / 1.67	2.03 / 1.63	2.43 / 2.14	3.26 / 2.92	4.34 / 3.89	4.60 / 4.96
	Heating/Cooling (UK)	1.52 / 1.42	1.81 / 1.39	2.16 / 1.82	2.90 / 2.48	3.86 / 3.31	4.09 / 4.22
STARTING CURRENT (A)		5	5	5	5	5	5
SYSTEM RUNNING CURRENT (A) Single Phase	Heating/Cooling	6.88 / 6.57	8.03 / 7.14	10.27 / 8.57	14.63 / 13.02	18.51 / 16.81	21.38 / 21.74
	3 Phase	-	-	-	5.02 / 4.48	6.42 / 5.86	7.38 / 7.50
FUSE RATING (BS88) – HRC (A)		16	25	25	32 / 16	32 / 16	40 / 16
MAINS CABLE No. Cores		3	3	3	3 / 5	3 / 5	3 / 5
MAX PIPE LENGTH (m)		50	50	50	75	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30
CHARGE R410A (kg) - 30m		2.5	3.5	3.5	5.0	5.0	5.0

### INDOOR UNIT PCA-RP50GA

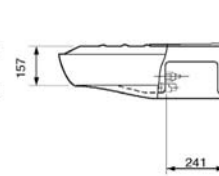
Lower View >



Front View >

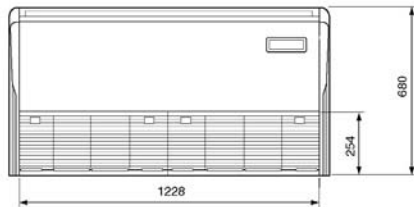


Side View >

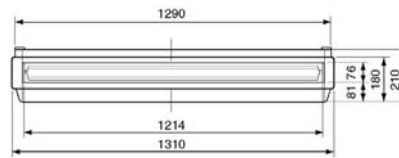


### INDOOR UNIT PCA-RP60-71GA

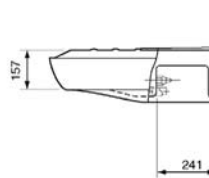
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Front View >

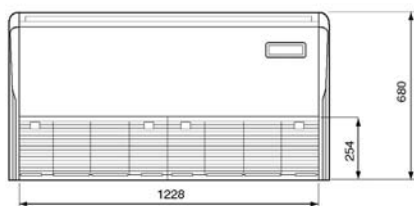


Side View >

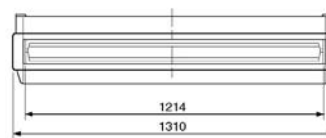


### INDOOR UNIT PCA-RP100GA

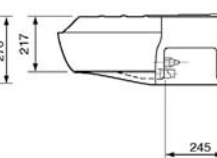
Lower View >



Front View >

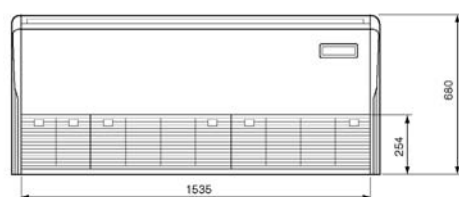


Side View >

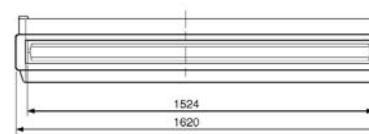


### INDOOR UNIT PCA-RP125-140GA

Lower View >



Front View >



Side View >

