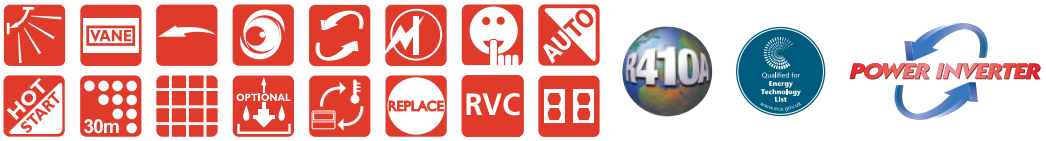
PCA-RP Power Inverter Heat Pump

Ceiling Suspended System

- Indoor unit designed for direct ceiling suspension
- Flush to wall installation for concealment of service connections



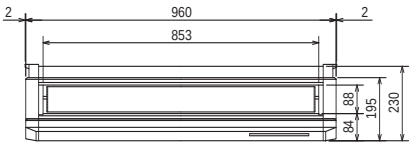
Technical Information

PCA-RP - INDOOR UNITS							
MODEL REFERENCE		PCA-RP50KA	PCA-RP60KA	PCA-RP71KA	PCA-RP100KA	PCA-RP125KA	PCA-RP140KA
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 (5.7-18.0)
	Cooling (nominal)	5.0 (2.3-5.6)	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 (6.2-15.3)
	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 (4.85-15.3)
	Cooling (UK)	4.6 (2.1-5.15)	5.5 (2.5-6.15)	6.55 (3.05-7.45)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	12.9 (5.7-14.1)
SHF (nominal)		0.79	0.81	0.76	0.77	0.72	0.71
COP / EER (nominal)		3.62 / 3.21	3.61 / 4.00	3.62 / 3.62	3.71 / 3.80	3.61 / 3.22	3.61 / 3.21
ENERGY LABEL	Heating/Cooling	A / A	A / A	A / A	A / A	A / A	A / A
AIRFLOW (m^3/min)	Lo-Mi1-Mi2-Hi	10-11-13-15	15-16-17-19	16-17-18-20	22-24-26-28	23-25-27-29	24-26-29-32
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	32-34-37-40	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45	41-43-45-48
DIMENSIONS (mm)	Width	960	1280	1280	1600	1600	1600
	Depth	680	680	680	680	680	680
	Height	230	230	230	230	230	230
WEIGHT (kg)		25	32	32	36	38	39
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

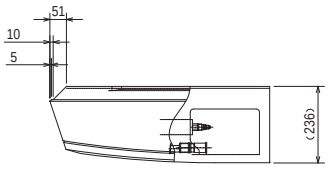
PUHZ-RP - OUTDOOR UNITS							
MODEL REFERENCE		PUHZ-RP50VHA4	PUHZ-RP60VHA4	PUHZ-RP71VHA4	PUHZ-RP100VKA/YKA	PUHZ-RP125VKA/YKA	PUHZ-RP140VKA/YKA
NOISE (dBA)	Heating/Cooling (silent)	46 / 44 (41)	48 / 47 (44)	48 / 47 (44)	51 / 49 (46)	52 / 50 (47)	52 / 50 (47)
WEIGHT (kg)		42	67	67	116 / 124	116 / 126	118 / 132
DIMENSIONS (mm)	Width	800	950	950	1050	1050	1050
	Depth	300 + 23	330 + 30	330 + 30	330 + 30	330 + 30	330 + 30
	Height	600	943	943	1338	1338	1338
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)	1.52 / 1.56	1.94 / 1.50	2.21 / 1.96	3.02 / 2.63	3.88 / 3.88	4.43 / 4.36
	Heating/Cooling (UK)	1.35 / 1.33	1.73 / 1.28	1.97 / 1.67	2.69 / 2.24	3.45 / 3.30	3.94 / 3.71
STARTING CURRENT (A)		5	5	5	5	5	5
SYSTEM RUNNING CURRENT (A) Single Phase		6.96 / 7.14 [13.4]	8.82 / 6.84 [19.4]	10.06 / 8.94 [19.4]	13.78 / 12.04 [27.2]	17.66 / 17.66 [27.3]	20.13 / 19.82 [28.9]
Heating/Cooling [MAX]	3 Phase	-	-	-	5.25 / 4.63 [8.7]	6.67 / 6.67 [10.3]	7.63 / 7.52 [11.9]
FUSE RATING (BS88) - HRC (A)		16	20	20	32 / 10	32 / 16	32 / 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

PCA-RP50KA

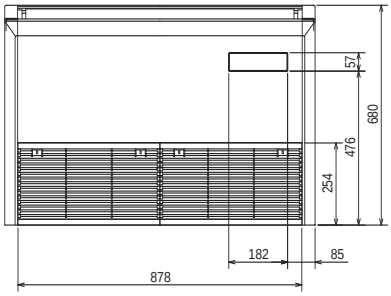
Front View >



Side View >

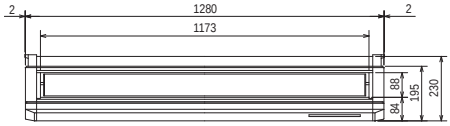


Lower View >

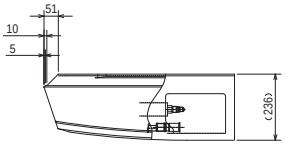


PCA-RP60-71KA

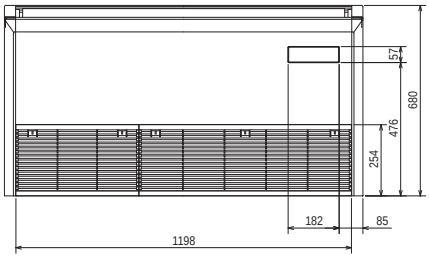
Front View >



Side View >

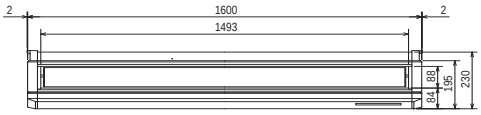


Lower View >

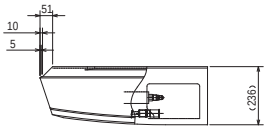
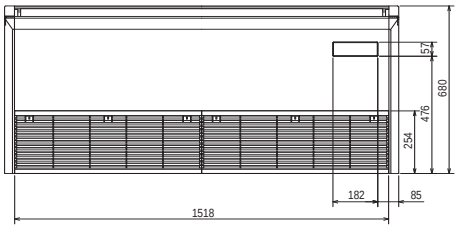


PCA-RP100-140KA

Front View >



Side View >



Lower View >