



R-410A, R22

PCE(F)-GC(P)U SERIES

SINGLE FAN DX CASSETTE AIR CONDITIONERS



4-WIRE INDOOR - OUTDOOR CONNECTION

SINGLE FAN PANEL DIMENSIONS

(650mm x 650mm) or (850mm x 850mm) or (1,050mm x 1,050mm)

CONDENSATE DRAIN PUMP WITH FLOAT SWITCH

4 WAY DIRECTIONAL AIR FLOW

FRESH AIR INTAKE CONNECTION

BRANCH DUCT CONNECTIONS

MICROPROCESSOR CONTROL WITH :

- AUTO RESTART

HORIZONTAL AIR DISCHARGE

HIGH EFFICIENCY LOUVERED FIN & INNER GROOVED TUBE

REMOTE CONTROL HANDSET

WIRED WALL PAD (OPTIONAL)

OUTDOOR VARIABLE FAN SPEED CONTROL (OPTIONAL)



SINGLE FAN DX CASSETTE TYPE AIR CONDITIONERS

PCE/F-GC(P)U SERIES R22

PRELIMINARY SPECIFICATIONS

Model	Indoor unit		PCE-03-D(H)S	PCE-04-D(H)S	PCE-06-D(H)S	PCE-08-D(H)S	PCF-09-D(H)S	PCF-09-D(H)X	PCF-10-D(H)S	PCF-10-D(H)X	PCF-16-D(H)S	PCF-16-D(H)X	PCF-18-D(H)S	PCF-18-D(H)X	PCF-20-D(H)S	
	Outdoor unit		GC(P)U-09-YK	GC(P)U-12-YK	GC(P)U-18-YK	GC(P)U-24-YK	GC(P)U-28-YK	GC(P)U-28-ZL	GC(P)U-32-ZL	GC(P)U-32-ZL	GC(P)U-36-ZK	GC(P)U-36-ZL	GC(P)U-40-ZK	GC(P)U-40-ZL	GC(P)U-40-ZL	GC(P)U-50-ZL
Nominal cooling capacity	btu / h		8,900	12,300	17,800	23,100	27,800	28,100	31,300	31,300	35,300	35,300	40,000	40,200	49,200	
	kW		2.6	3.6	5.2	6.8	8.1	8.2	9.2	9.2	10.3	10.3	11.7	11.8	14.4	
Nominal heating capacity	btu / h		9200	12600	18500	23500	29,100	28,800	32,900	32,900	36,700	36,700	40,900	41,100	51,400	
	kW		2.7	3.7	5.4	6.9	8.5	8.4	9.6	9.6	10.8	10.8	12.0	12.0	15.1	
EER	kW / kW		2.83	2.95	2.72	2.82	2.86	2.89	2.70	2.87	2.80	2.87	2.70	2.77	2.88	
COP	kW / kW		3.21	3.36	2.88	2.99	2.94	2.91	2.92	3.11	3.03	3.12	3.42	3.54	3.05	
Electric heater Capacity (Optional)	btu / h		3400	3400	6800	6800	10200	10200	10200	10200	13,600	13,600	13,600	13,600	13,600	
	kW		1	1	2	2	3	3	3	3	4	4	4	4	4	
Electrical insulation protection class	1															
Water proof class	IP24															
Dehumidification	L / h		0.75	1.2	1.5	2.2	3	3	3.2	3.2	3.5	3.5	4	4	6	
Power Input	Cooling	W	920	1220	1920	2400	2850	2850	3400	3200	3700	3600	4350	4250	5000	
	Heating	W	840	1100	1880	2300	2900	2900	3300	3100	3550	3450	3500	3400	4950	
Electric Heater Power Input	W		1000	1000	2000	2000	3000	3000	3000	4000	4000	4000	4000	3000	3000	
Running Current	Cooling	A	4.1	5.5	8.8	10.8	12.5	4.8	15.2	5.3	16.8	5.9	19.9	7.4	8.5	
	Heating	A	3.6	4.8	8.6	10.3	12.8	4.9	14.8	5.1	16.6	5.7	16.0	5.6	8.4	
Start current	A		21	28	45	49.7	63.0	41.1	75.5	65.0	97.0	65.0	98.5	48.2	63.0	
Electric Heater Running Current	A		4.3	4.3	8.7	8.7	13	13	13	13	17.4	17.4	17.4	17.4	17.4	
Power supply	V / Ph / Hz		230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	400 / 3 / 50	230 / 1 / 50	400 / 3 / 50	230 / 1 / 50	400 / 3 / 50	230 / 1 / 50	400 / 3 / 50	400 / 3 / 50	
Indoor unit	Model		PCE-03-D(H)S	PCE-04-D(H)S	PCE-06-D(H)S	PCE-08-D(H)S	PCF-09-D(H)S	PCF-09-D(H)X	PCF-10-D(H)S	PCF-10-D(H)X	PCF-16-D(H)S	PCF-16-D(H)X	PCF-18-D(H)S	PCF-18-D(H)X	PCF-20-D(H)S	
	Airflow (H / M / L)	m ³ / min	6/5/4.2	8.5/7/5.8	10.4/9.4/7.8	12.8/10.4/8.6	14.2 / 10.8 / 8.3		17 / 13 / 10		28.3 / 21.8 / 16.8		34 / 26.7 / 20.7		39.7 / 30.5 / 23.5	
	Noise level @ 1m	dB (A)	29/37/38	30/37/39	35/41/43	37/43/46	37 / 39 / 42		39 / 42 / 45		48 / 51 / 54		45 / 51 / 55		47 / 53 / 59	
	Cond. drain connection OD/ID	mm (in)														
	Dimensions	H	mm	250	250	290	290	290	290	290	290	290	290	290	290	290
		W	mm	570	570	570	570	570	730	730	730	730	930	930	930	930
D		mm	570	570	570	570	570	730	730	730	930	930	930	930	930	
Panel dimensions	mm	650 x 650 x 28				850 x 850 x 28				1050 x 1050 x 28						
Net weight	kg	26	26	27	27	42	42	42	60	60	60	60	60	60		
Outdoor unit	Model		GC(P)U-09-YK	GC(P)U-12-YK	GC(P)U-18-YK	GC(P)U-24-YK	GC(P)U-28-YK	GC(P)U-28-ZL	GC(P)U-32-ZK	GC(P)U-32-ZL	GC(P)U-36-ZK	GC(P)U-36-ZL	GC(P)U-40-ZK	GC(P)U-40-ZL	GC(P)U-50-ZL	
	Construction	Panel	STEEL													
	Surface finish		POWDER COAT													
	Compressor		ROTARY						SCROLL							
	Refrigerant control															
	Noise Level @ 1m	dB (A)	49	49	55	56	62	62	62	62	62	62	62	62	62	
Dimensions	H	mm	540	540	540	615	790	790	790	790	790	790	790	790	1,235	
	W	mm	850	850	850	900	936	936	936	936	936	936	936	936	895	
	D	mm	320	320	320	350	420	420	420	420	420	420	420	420	380	
Net weight	kg	30	32	40	48	75	75	83	83	83	83	85	85	100		
Refrigerant piping	Connection method	Indoor side	FLARE													
		Outdoor side	FLARE													
	Refrigerant charge (5m)	kg	0.90	1.00	1.45	1.85	2.80	2.60	2.80	2.80	2.90	2.90	3.10	3.10	3.60	
	Pipe size OD	Liquid	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Gas		mm (in)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	

All capacities are based on:

cooling: indoor 27°C DB, 19.5°C WB, outdoor 35°C DB, 24°C WB
 heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB

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