



airconditioner

SPLIT AIRCONDITIONER DUCTED TYPE WITH HEAT PUMP R410-A

## Features

- LOW NOISE INDOOR & OUTDOOR FANS
- HIGH EFFICIENCY HEAT EXCHANGER
- OUTDOOR UNIT CASE WITH ABS PLASTIC MATERIAL
- EASY-CLEANED FRONT PANEL
- WIDE-ANGLE AIR FLOW
- DIGITAL FRONT PANEL DISPLAY
- SLEEP MODE
- DEHUMIDIFICATION MODE
- LCD REMOTE CONTROL
- SELF-DIAGNOSIS FUNCTION
- AUTO RESTART FUNCTION



PCE & PCF & FC(P) SINGLE FAN (R410-A)

MAIN TECHNICAL SPECIFICATIONS

Model	Indoor unit Outdoor unit	PDT-09-R(S) FC(P)-09-YK	PDT-12-R(S) FC(P)-12-YK	PDT-18-R(S) FC(P)-18-YK	PDT-24-R(S) FC(P)-24-YK/YL	PDT-30-R(S) FC(P)-30-ZK/ZL	PDT-36-R(S) FC(P)-36-ZK/ZL	PDT-40-R(S) FC(P)-40-ZL	PDT-50-R(S) FC(P)-50-ZL	PDT-60-R(S) FC(P)-60-ZL
Nominal cooling capacity	Btu/h Kw	9,200 2.7	12,280 3.6	17,400 5.1	24,280 7.1	31,620 9.2	38,250 11.2	42,580 12.5	53,920 15.8	61,200 17.9
Nominal heating capacity + (Electric Heater)	Btu/h Kw	10,300+(3,410) 3.0+(1.0)	13,650+(3,410) 4.0+(1.0)	18,800+(5,460) 5.5+(1.6)	26,175+(9,200) 7.7+(2.7)	33,100+(9,200) 9.7+(2.7)	39,590+(9,200) 11.5+(2.7)	45,240+(9,200) 13.3+(2.7)	55,620+(9,200) 16.3+(2.7)	63,100+(9,200) 18.5+(2.7)
COP	Kw/Kw	2.57	2.96	2.80	2.90	2.69	2.73	2.60	2.59	2.56
EER	Kw/Kw	2.78	2.57	2.75	2.78	2.63	2.67	2.56	2.56	2.53
Running current/Amp	4.9	6.9	9.6	12.0	6.3	7.8	9.3	10.9	15.3	
Start current	Amp	26.0	32.0	49.0	60.0	80.0	94.0	55.0	58.0	70.0
Power supply	230/1/50 or 400/3/50	1 Phase			1 Ph 3 Ph	1 Ph 3 Ph	1 Ph 3 Ph	3 Phase		

Indoor unit

Model	PDT-09-R(S)	PDT-12-R(S)	PDT-18-R(S)	PDT-24-R(S)	PDT-30-R(S)	PDT-36-R(S)	PDT-40-R(S)	PDT-50-R(S)	PDT-60-R(S)	
External static pressure	Pa	40	80	80	80	80	80	80	80	
Airflow	H M L	700 600 500	800 700 600	1,000 800 600	1,200 1,000 800	2,400 2,000 2,000	2,400 2,200 2,000	2,400 2,200 2,000	3,500 3,200 3,000	
Noise level @ 1 M	H M L	42 40 38	44 40 38	46 44 40	48 46 40	55 52 43	62 60 58	62 60 58	62 60 58	
Cond. drain connection OD	mm (in)	19.05 (3/4)								
Dimensions	H W D	265 710 566	265 938 566	263 1,126 487	275 1,015 678	295 1,165 738	295 1,165 738	295 1,165 738	315 1,365 798	315 1,365 798
Net weight	kg	16	23	30	40	40	50	50	65	65

Outdoor unit

Model	FC(P)-09-YK	FC(P)-12-YK	FC(P)-18-YK	FC(P)-24-YK/YL	FC(P)-30-ZK/ZL	FC(P)-36-ZK/ZL	FC(P)-40-ZL	FC(P)-50-ZL	FC(P)-60-ZL
Construction	Panel	STEEL							
Compressor	Surface finish	POWDER COAT							
Refrigerant control	1 Phase	ROTARY							
	3 Phase	ROTARY							
Dimensions	H	497	540	688	845	1,040	1,250	1,250	1,250
	W	685	726	915	1,020	1,044	980	980	980
Net weight	D	296	291	370	413	413	412	412	412
	kg	39	50	55	80	110	120	130	130
Refrigerant charge (5 M)	kg	0.85	1.1	1.7	1.6	3.2	4.3	4.6	4.6
Refrigerant piping	Indoor side	FLARE							
Connection method	Outdoor side	FLARE							
	Liquid	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)
Pipe size OD	Gas	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.90 (5/8)	15.90 (5/8)	15.90 (5/8)	15.90 (5/8)	19.50 (3/4)
	Gas								19.50 (3/4)

All capacities are based on:

Cooling Indoor 27°C, 19.5°C WB, outdoor 35°C DB, 24°CWB HeatingIndoor 20°C DB, outdoor 7°C DB, 6°C WB

