



R-410A, R22

PDV-GC(P)V SERIES

DUCTED AIR CONDITIONERS



COOLING CAPACITY RANGE 2.6kW TO 12.1kW (1-PH) AND 8.3kW TO 17kW (3-PH)

SLIMLINE REMOTE CONTROL HANDSET

5-SPEED MOTOR WITH 3-SPEED SELECTION ONSITE OR PRE-INSTALLED

4-WIRE INDOOR-OUTDOOR COMMUNICATION

AUTO RESTART

LOW AMBIENT TEMPERATURE KIT (OPTIONAL)

ELECTRICAL HEATER (OPTIONAL)

SOFT STARTER (1-PH) (OPTIONAL)

MULTI-COLOUR LCD WALLPAD WITH 7-DAY TIMER FUNCTION (OPTIONAL)

MEASURING PORTS ON SUCTION AND LIQUID LINE (OPTIONAL)



DUCTED AIR CONDITIONERS

STANDARD SPECIFICATIONS

PDV-GC(PJU) SERIES R22

Model	Indoor unit		PDV-09-D(H)S	PDV-12-D(H)S	PDV-18-D(H)S	PDV-24-D(H)S	PDV-28-D(H)S	PDV-28-D(H)X	PDV-32-D(H)S	PDV-32-D(H)X	PDV-36-D(H)S	PDV-36-D(H)X	PDV-40-D(H)S	PDV-40-D(H)X	PDV-50-D(H)X	PDV-60-D(H)X		
	Outdoor unit		GC(PJU-09-YK)	GC(PJU-12-YK)	GC(PJU-18-YK)	GC(PJU-24-YK)	GC(PJU-28-YK)	GC(PJU-28-ZL)	GC(PJU-32-ZK)	GC(PJU-32-ZL)	GC(PJU-36-ZK)	GC(PJU-36-ZL)	GC(PJU-40-ZK)	GC(PJU-40-ZL)	GC(PJU-50-ZL)	GC(PJU-60-ZL)		
Nominal cooling capacity	btu / h		8,870	11,940	18,080	23,200	27,980	28,320	32,760	33,100	36,170	37,530	41,290	41,290	50,500	58,000		
	kW		2.6	3.5	5.3	6.8	8.2	8.3	9.6	9.7	10.6	11.0	12.1	12.1	14.8	17.0		
Nominal heating capacity	btu / h		9,550	12,970	19,450	25,250	29,340	30,030	34,120	35,830	37,870	39,240	42,310	42,650	52,200	61,420		
	kW		2.8	3.8	5.7	7.4	8.6	8.8	10.0	10.5	11.1	11.5	12.4	12.5	15.3	18.0		
EER	kW / kW		2.83	2.82	2.85	2.83	2.73	2.86	2.91	2.69	2.65	2.86	2.72	2.78	2.74	2.62		
COP	kW / kW		3.11	3.11	3.17	3.22	2.97	3.09	3.23	3.18	2.96	3.11	2.95	2.99	2.97	2.90		
Electrical insulation protection class	1																	
Water proof class	IP24																	
Dehumidification	L / h		0.98	1.20	1.50	2.20	3.00	3.10	3.20	3.30	3.50	3.60	4.20	4.20	5.00	6.00		
Power Input	Cooling	W	320	1,240	1,860	2,400	3,000	2,900	3,300	3,600	4,000	3,850	4,450	4,350	5,400	6,500		
	Heating	W	900	1,220	1,800	2,300	2,900	2,850	3,100	3,300	3,750	3,700	4,200	4,180	5,150	6,200		
Running Current	Cooling	A	4.1	5.6	8.3	10.8	13.4	4.9	14.8	6.1	17.9	6.5	19.9	7.4	9.2	11.0		
	Heating	A	4.0	5.5	8.1	10.3	13.0	4.8	13.9	5.6	16.8	6.3	18.8	7.1	8.7	10.5		
Electric Heater Power Input	W		800		1600		2400.0								2700			
Electric Heater Running Current	A		3.5		7.0		10.4								11.7			
Start current	A		21.0	28.0	45.0	49.7	70.0	41.1	75.5	65.0	97.0	65.0	98.5	48.2	63.0	67.0		
Power supply	V / Ph / Hz		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	400 / 3 / 50		
Indoor unit	Model		PDV-09-D(H)S	PDV-12-D(H)S	PDV-18-D(H)S	PDV-24-D(H)S	PDV-28-D(H)S	PDV-28-D(H)X	PDV-32-D(H)S	PDV-32-D(H)X	PDV-36-D(H)S	PDV-36-D(H)X	PDV-40-D(H)S	PDV-40-D(H)X	PDV-50-D(H)X	PDV-60-D(H)X		
	External static pressure	Pa	30	30	60	60	60	60	80	80	80	80	80	80	80	80		
	Airflow	H	m ³ / h	510	620	1,250	1,500	1,500	1,500	2,140	2,140	2,140	2,140	2,140	2,700	2,900		
		M		470	570	1,100	1,360	1,360	1,360	1,960	1,960	1,960	1,960	1,960	2,400	2,600		
		L		435	520	880	1,100	1,100	1,100	1,720	1,720	1,720	1,720	1,720	1,980	2,180		
	Noise level @ 1m	H	dB (A)	42	44	46	48	48	48	55	55	55	55	55	58	62		
		M		40	40	44	46	46	46	52	52	52	52	52	55	60		
		L		38	38	40	40	40	40	43	43	43	43	43	46	58		
	Cond. drain connection OD	mm (in)	19.05 (3/4)															
	Dimensions	H	mm	200	200	240	275	275	275	275	275	275	275	275	275	315		
W		mm	775	775	1,015	1,015	1,015	1,015	1,315	1,315	1,315	1,315	1,315	1,315	1,365			
D		mm	524	524	586	678	678	678	738	738	738	738	738	738	798			
Net weight	kg	20	20	28	35	35	35	50	50	50	50	50	50	60				
Outdoor unit	Model		GC(PJU-09-YK)	GC(PJU-12-YK)	GC(PJU-18-YK)	GC(PJU-24-YK)	GC(PJU-28-YK)	GC(PJU-28-ZL)	GC(PJU-32-ZK)	GC(PJU-32-ZL)	GC(PJU-36-ZK)	GC(PJU-36-ZL)	GC(PJU-40-ZK)	GC(PJU-40-ZL)	GC(PJU-50-ZL)	GC(PJU-60-ZL)		
	Construction	Panel	STEEL															
	Compressor	Surface finish	POWDER COAT															
	Refrigerant control		ROTARY															
	Refrigerant control		SCROLL															
	Noise Level @ 1m	dB (A)	49	49	55	56	62	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	1,240	
W		mm	850	850	850	900	936	936	936	936	936	936	936	936	995	995		
D		mm	320	320	320	350	420	420	420	420	420	420	420	420	380	440		
Net weight	kg	30	32	40	48	75	75	83	83	83	83	85	85	100	125			
Refrigerant piping	Connection method	Indoor side	FLARE															
		Outdoor side	FLARE															
	Refrigerant charge (5m)	kg	0.70	0.88	1.45	1.85	2.80	2.60	2.90	2.90	3.20	3.20	2.90	2.90	3.70	4.60		
	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

N.B. : Air flow values with 0Pa reference value.

With max ESP air flow is reduced of about 25%. See technical manual for exact data.

09 V.1.0



Sonkor International Limited

Head Office

Office 6, 9/F, Block A, New Trade Plaza, 6 On Ping Street, Shatin, N.T., Hong Kong

Tel : +852 26488887 Fax: +852 26366608 E-mail : sonkor@sonkor.com

WEBSITE: www.sonkor.com

Branch Office, Spain

AV. Juan Pablo II N°25 2 4L, 30008-Murcia, Spain

Tel: +34 968270885 Fax: +34 968249520

E-mail : felipe@sonkor.com

Branch Office, China

Jinxiu 19-305, Lucheng, Wenzhou, China

Tel: +86 577 88311691 Fax: +86 577 88311691

E-mail: margaret@sonkor.com