



Ideal Air - Pro Dual Outdoor Technical Specification Sheet

Brand		Ideal Air		Ideal Air	Ideal Air
Item Number		700018		700019	700020
Power supply		Ph-V-Hz	208-230V~60Hz , 1Ph	208-230V~60Hz , 1Ph	~
Cooling	Capacity	Btu/h	27000	36000	48000
	EER	Btu	12.0	10.9	11.6
	SEER		22.0	22.5	21.5
Heating at 47F	Capacity	Btu/h	28000	36000	48000
	COP		3.7	3.1	3.4
	HSPF4		9.8	10.3	10.4
	HSPF5		8.0	9.0	8.6
heating at 5 F (-15°C)	maximum capacity	Btu/h	20900	28800	35800
MINIMUM CIRCUIT AMPACITY		A	25.0	30.0	35.0
MAX.FUSE		A	35.0	45.0	50.0
	Type		ROTARY	ROTARY	Twin-ROTARY
	Capacity	Btu/h	24345	32380	38214
	Input	W	1970	2600	3040
	Rated current(RLA)	A	20.00	22.00	21.00
	Refrigerant oil/oil charge	ml	POE(VG74)/670	PQE(VG74)/1000	Ester Oil VG74/1400
	Input	W	120(Output)	120(Output)	85(Output)
	RLA	A	0.9	1.3	0.39
	Speed	r/min	150/200/250/300/400/500/600/750/900/10000	150/200/250/300/400/500/600/750/900/10000	150/200/250/300/400/500/600/700/800/870
Outdoor air flow		CFM	2130	2355	4470
Outdoor noise level		dB(A)	63.4	62.3	64
Refrigerant type		oz	R410A/98.8	R410A/105.8	R410A/162.3
Refrigerant precharge(Total pipe length)		ft	25	25	25
Additional charge for each ft		oz	0.161	0.161	0.32
Design pressure		PSIG	550/340	550/340	550/340
Refrigerant piping	Liquid side/ Gas side	(inch)	(1/4"/3/8")	(4x1/4"/3x3/8"+1x1/2")	7(5x1/4"/3x3/8"+2x1/2")
	Max. length for all rooms	m	45	60	75
	Max. length for all rooms	ft	148	197	246
	Max. length for one indoor unit	m	25	30	30
	Max. length for one indoor unit	ft	82	98	98
Max. height difference between indoor units		ft	33	33	33



Ideal Air - Indoor Cassette Technical Specification Sheet

Brand		Ideal Air	Ideal Air	Ideal Air	Ideal Air	
Item Number		700026	700027	700028	700029	
Power supply	Ph-V-Hz	208-230~1-60	208-230~1-60	208-230~1-60	208-230~1-60	
Minmum circuit ampacity	A	1.2	1.3	1.9	10.3	
Max.fuse	A	15	15	15	17.5	
	Qty	1	1	1	1	
	Input	W	46(Output)	46(Output)	46(Output)	42
	RLA	A	0.9	1.0	1.5	2
	LRA	A	---	---	---	/
	Winding Resistance	Ω	---	---	---	/
	Capacitor	uF	---	---	---	/
	Speed	r/min	600/520/460	680/580/500	730/630/570	600/520/450
Indoor air flow (Hi/Med/Lo) (No duct)	m ³ /h	600/520/460	574/490/422	956/825/746	1400/1250/1000	
Indoor air flow (Hi/Med/Lo) (No duct)	CFM	353/306/271	338288/248	562/485/439	820/740/590	
Indoor noise level (Hi/Med/Lo) (standard pressure)	dB(A)	41/39/37	41/38/35	46/43/41	51/47/43	
Design pressure	PSIG	540/300 PSIG	540/300 PSIG	550/340 PSIG	550/340 PSIG	
Refrigerant piping	Liquid side/ Gas side	Inch	(1/4"/3/8")	(1/4"/1/2")	(3/8"/5/8")	
Controller		Remote control	Remote control	Remote control	Remote control	
Room temperature	Cooling	°C	17~32	17~32	17~32	17~32
	Cooling		62~90	62~90	62~90	62~90
	Heating	°C	0~30	0~30	0~30	0~30
	Heating		32~86	32~86	32~86	32~86
Operation temperature		°C	17~30	17~30	17~30	17~30
			62~86	62~86	62~86	62~86



Ideal Air - Indoor Wall Mount Technical Specification Sheet

Brand			Ideal Air	Ideal Air	Ideal Air	Ideal Air
Item Number			700021	700023	700024	700025
Power supply	Ph-V-Hz		208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph
	Input	W	20(Output)	20(Output)	58(Output)	120(Output)
	RLA	A	0.25	0.25	0.4	0.45
	Speed(Hi/Mi/Lo)	r/min				
Indoor air flow (Hi/Mi/Lo)	m3/h		450/348/240	520/360/250	950/620/520	1050/800/550
Indoor air flow (Hi/Mi/Lo)	CFM		264/205/141	306/212/147	559/365/306	618/471/324
Indoor noise level (Hi/Mi/Lo)	dB(A)		39-/24.5	39-/25	45.5-/34.5	50-/35.5
	Dimension(W*D*H)	inch	31.57x7.44x11.69	31.57x7.44x11.69	42.52x8.90x13.19	42.52x8.90x13.19
	Packing (W*D*H)	inch	34.45x11.22x14.76	34.45x11.22x14.76	45.47x16.34x12.40	45.47x16.34x12.40
	Net/Gross weight	lbs.	18.1/22.0	18.1/22.0	29.1/37.0	29.1/37.0
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor(cooling/ heating)	℃	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Indoor(cooling/ heating)		62~90/32~86	62~90/32~86	62~90/32~86	62~90/32~86
Application area (cooling standard)	sq.ft		129-189	172-252	251-368	330-484
Refrigerant piping	Liquid side/ Gas side	inch	(1/4"/3/8")	(1/4"/1/2")	(1/4"/1/2")	(3/8"/5/8")

IMPORTANT

Product not working properly?

**DO NOT return this product
to the store where you
purchased it.**

Contact Ideal-Air™ support directly
at support@ideal-air.com or call

1-877-943-3251

For answers to most common questions and a complete
technical support library please visit www.ideal-air.com



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