

OMEGA TECHNOLOGIES

Engineered to elevate efficiency and comfort to the next level!

APRS SERIES ROOFTOP PACKAGE UNIT R22 Refrigerant

Cooling Nominal: 3 - 25 Tons (10.5-87.5 kW)

Product Features

- ✓ Up To 25 Tons in Cooling Mode.
- ✓ Auxiliary Electric Heaters Available.
- ✓ Side and Bottom Air Supply Options.
- ✓ 24 V. Low Voltage Control Circuit.
- ✓ Washable Filter.
- ✓ Compact Design.
- ✓ Condenser with Gold Lance Fins & Inner Groove Copper Tubes.
- ✓ Danfoss & Sanyo Scroll Compressors.
- ✓ Easy Maintenance.
- ✓ Could be Used with Honeywell Controller.
- ✓ Thermostat with LCD Display (Optional).



8/10/15 Tons



3~5 Tons



20-25 Tons



A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001



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ROOFTOP PACKAGE UNIT R22

MODEL NO.	APRS	036C 2T-RSA105	048C 2T-RSA140	060C 2T-RSA175	060C 4T-RSA175	096C 4T-RSA280	120C 4T-RSA350	180C 4T-RDA525	240C 4T-RDA700	300C 4T-RDA880	
Cooling Capacity Tons (kw)	Nominal	3 (10.5)	4 (14.0)	5 (17.5)	5 (17.5)	8 (28.0)	10 (35.0)	15 (50.0)	20 (70.0)	25 (87.5)	
Efficiency - EER	Btuh/w (w/w)	9	9	9	9	8	8	8	8	8	
Auxiliary Heater Capacity	kW Available	5 / 10	5 / 10	5 / 10	5 / 10	10 / 15 / 20	10 / 15 / 20	20 / 25 / 30	20 / 25 / 30	20 / 25 / 30	
Refrigerant Control		Accurac / Piston Type				Capillary Tube		Thermal Expansion Valve			
Air Flow CFM (m³/hr) - Hi Setting		1177 (2000)	1350 (2300)	1650 (2800)	1650 (2800)	3240 (5500)	4415 (7500)	5900 (10000)	8240 (14000)	10300 (17500)	
Noise Level (dbA) - Hi Setting		65	67	67	69	70	73	75	78	81	
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fins				Grooved Copper Tubes - Aluminum Gold Slit Fins					
Evaporator Section	Air Filter	Cleanable Type									
	Fan Type	Centrifugal									
	Fan Qty	1	1	1	1	1	1	1	1	1	
	Fan Motor Load Amps (FLA)	1.65	2.6	2.6	2.6	6.1	6.1	15.3	15.3	20.8	
	Fan Motor (hp)	1/3	1/2	1/2	1/2	3	3	7.5	7.5	10	
	Drain Connections inches (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	1 (25.4)	1 (25.4)	1 (25.4)	
Condenser Section	Fan Type	Axial									
	Fan Qty	1	1	1	1	2	2	2	2	3	
	Fan Motor Load Amps (FLA) each	2.10	2.10	2.10	2.10	2.10	2.10	3.8	8.4	8.4	
	Fan Motor (hp)	1/3	1/3	1/3	1/3	1/3	1/3	1	2.5	2.5	
	Compressor Type / Brand / Qty		Scroll / Sanyo / 1			Scroll / Sanyo / 2		Scroll / Danfoss / 2			
	Compressor Pwr Input (kW) each		3.65	5.45	5.45	5.15	5.10	5.55	7.69	9.70	12.83
	Compressor Rated (A) (RLA) each		18.2	26.3	26.3	16.6	16.4	20.5	27.1	36.4	45.7
Compressor Locked (A) (LRA) each		136	151	151	134	134	134	195	267	255	
Controls		24 V Low Voltage Control									
Refrigerant Charge R22		No Circuits x (oz./kgs.)	63.5 / 1.8	98.8 / 2.8	148.2 / 4.2	148.2 / 4.2	2 x 126.9 / 3.6	2 x 141.1 / 4.0	2 x 211.6 / 6.0	2 x 352.7 / 10.0	2 x 423.1 / 12.0
Electrical	Voltage/Phase/Frequency		208-230 / 1 / 60			208-230 / 3 / 60					
	Range		min 198 ~ max 242								
	Power Input / Cooling (kW)		4.4	6.3	6.2	6.1	12.7	15.3	23.8	28.0	44.0
	Rated Input / Cooling (kW)		5.7	8.1	8.0	7.5	16.3	19.0	32.0	34.0	54.0
	Min. Circuit Amps (MCA)		26.5	37.6	37.6	25.5	47.2	56.4	83.9	114.0	148.8
Max. Fuse Amps (MOCP)		45	60	60	45	60	70	110	150	175	
Dimensions inches (mm)	Height		25 1/4 (640)	25 1/4 (640)	31 (790)	31 (790)	44 (1117)	44 (1117)	46 7/8 (1190)	54 1/8 (1375)	54 1/8 (1375)
	Width		53 (1345)	53 (1345)	53 (1345)	53 (1345)	79 (2006)	79 (2006)	86 7/8 (2205)	113 (2870)	113 (2870)
	Depth		41 1/2 (1055)	41 1/2 (1055)	41 1/2 (1055)	41 1/2 (1055)	56 1/2 (1436)	56 1/2 (1436)	63 1/3 (1610)	83 1/2 (2120)	83 1/2 (2120)
Net Weight	Lbs (kgs)		407.9 (185)	407.9 (185)	451.9 (205)	451.9 (205)	1003.0 (455)	1036.2 (470)	1410.9 (640)	2215.7 (1005)	2312.7 (1049)

- Notes:**
1. Nominal capacities are based on air entering the evaporator section at 80/67°F (27/19°C), DB/WB indoor & 95°F (35°C) ambient temperature entering with indoor fan operating at high airflow setting.
 2. Refrigerant metering device is installed at the evaporator section as standard.
 3. For details of model number nomenclature, please refer to publication OMGNM-0415.



OMEGA
ENVIRONMENTAL
TECHNOLOGIES LLC.
17702 Mitchell North, #101
Irvine, CA 92614, USA
Tel: 714 795 2830
Fax: 714 966 1649
info@oetusa.com
www.omegaaenvironmentaltechnologies.com

OTEC
AIR CONDITIONING
Showroom & Technology Center
11380 Interchange Circle North
Miramar, FL 33025, USA
Tel: 305 731 2140, 888 840 7550
Fax: 954 212 8280
info@otecus.com
www.otecus.com

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