APRI SERIES

Rooftop Inverter Package Unit

(208~230V/ 1Ph & 3Ph/ 60Hz)

Cooling Capacity Min~Max: 35,800 - 211,600 Btu/h (10.5 - 62.0 kW)
Heating Capacity Min~Max: 39,250 - 249,100 Btu/h (11.5 - 73.0 kW)

Product Features

- Up To 20 Tons in Cooling and Heating Mode.
- DC Inverter Design
- DC Inverter Motor
- High Efficiency Fan Blade
- Excellent Grid Adaptability
- Multiple Protection Design
- Automatic Adjustment of throttling
- Anti-Crossflow Design of Outdoor Fan
- Weather Fastness Fan Blade
- Non-Polarity Communication Design
- Wired Controller (Standard)
- Auxiliary Controller
- Anti Corrosion Treatment (Optional).

3.0~5.5 Tons

10 Tons

15 Tons

20 Ton

eco FRIENDLY R410A REFRIGERANT

OMEGA

ISO 14001 ISO 9001

OTECO AIR CONDITIONING

A Product of OMEGA Environmental Technologies LLC.

Note: Design, specifications and performance data is subject to change without notice.

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OMEGA TECHNOLOGY

Engineered to elevate efficiency and comfort !.....
.....to the next level!

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ROOFTOP PACKAGE UNIT								
MODEL NO.	APRI		036P0A -RR1011	066P0A -RR1020	066P4A -RR1021	120P4A -RR1034	180P4A -RR2051	240P4A -RR2062
Nominal Capacity		Tons	3.0	5.5	5.5	10.0	15.0	20.0
Cooling Capacity	Nominal	Btu/h (kW)	35,800 (10.5)	66,500 (19.5)	71,700 (21.0)	116,000 (34.0)	174,000 (51.0)	211,600 (62.0)
	Minimum		13,650 (4.0)	20,500 (6.0)	20,500 (6.0)	34,100 (10.0)	44,400 (13.0)	58,000 (17.0)
	Maximum		42,660 (12.5)	66,500 (19.5)	75,100 (22.0)	119,400 (35.0)	180,800 (53.0)	235,500 (69.0)
SEER		Btu/(W.h)	20	16	16	16	16	16
Heating Capacity	Nominal	Btu/h (kW)	39,250 (11.5)	70,000 (20.5)	75,100 (22.0)	119,400 (35.0)	182,500 (53.5)	249,100 (73.0)
	Minimum		17,070 (5.0)	27,300 (8.0)	27,300 (8.0)	37,500 (11.0)	47,800 (14.0)	61,400 (18.0)
	Maximum		46,100 (13.5)	73,400 (21.5)	78,500 (23.0)	122,800 (36.0)	191,100 (56.0)	259,400 (76.0)
Refrigerant Control			Electronic Expansion Valve Throttling					
ESP Default (Pa)			50 (0~150)	60 (0~180)	60 (0~180)	90 (0~210)	120 (0~320)	140 (0~350)
Air Flow CFM (m^3/hr) - Hi Setting			1177 (2000)	1942 (3300)	1942 (3300)	3413 (5800)	5591 (9500)	8416 (14300)
Noise Level (dBA) - Hi Setting			61	63	63	72	74	74
Coil Type:			Grooved Copper Tubes - Hydrophilic Aluminum Fins					
Evaporator Section	Air Filter		Cleanable Type					
	Fan Type		Centrifugal					
	Fan QTY		2	2	2	2	1	2
	Fan Motor Load Amps (FLA)		1.8	2.8	2.8	7.5	11.0	12.0
	Fan Motor (HP)		4/15	1	1	2	4	5.5
	Fan Speeds		3					
	Drain Connections inches (mm)		0.80 x 0.047					1.20 x 0.059
Condenser Section	Fan Type		Axial-flow					
	Fan QTY		1	1	1	1	1	2
	Fan Motor Load Amps (FLA) each		1.9	2.5	2.2	3.5	4.2	3.5
	Fan Motor (HP) each		1	1	1	2	2	2
	Compressor Type		Inverter Rotary					
	Compressor QTY		1	1	1	1	2	2
	Compressor Rated (A) (RLA) each		13.0	19.0	28.0	36.0	29.0	36.0
Controls			24V Low Voltage Control					
Refrigerant Charge R410A (oz./kgs.)			123.2 / 3.5	176.0 / 5.0	176.0 / 5.0	352.0 /10.0	422.4 / 12.0	563.2 / 16.0
Electrical	Voltage/Phase/Frequency		208~230V / 1Ph / 60Hz		208~230V / 3Ph / 60Hz			
	Range		min 198 ~ max 242					
	Power Input / Cooling (kW)		3.1	6.8	7.9	13.7	22.0	29.0
	Power Input / Heating (kW)		3.2	5.8	6.6	11.5	16.0	25.0
	Current Input / Cooling (A)		13.5	30.0	21.0	36.0	63.0	79.0
	Current Input / Heating (A)		14.0	25.5	18.0	30.0	46.0	70.0
	Breaker Capacity (A)		25	40	40	50	80	100
	Minimum Power Supply Cord (mm^2)		4	10	10	10	25	25
Dimensions inches (mm)	Height		32 (815)	32 (815)	32 (815)	47 7/8 (1215)	49 (1245)	49 1/4 (1250)
	Width		57 (1450)	57 (1450)	57 (1450)	57 (1450)	89 (2260)	88 1/8 (2240)
	Depth		44 (1120)	44 (1120)	44 (1120)	44 (1120)	44 7/8 (1140)	74 (1880)
Net Weight	lbs (kgs)		453.2 (206)	589.6 (268)	589.6 (268)	745.8 (339)	1258 (572)	1804 (820)

Notes:

1. Nominal capacities are based on air entering the evaporaton 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-1020.

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eco FRIENDLY R410A REFRIGERANT

ISO 14001 ISO 9001

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