

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

APRH SERIES ROOFTOP PACKAGE UNIT (380~415V/3 Phase/50Hz) Cooling Nominal: 4 - 30 Tons (14.1-105.0 kW)

Product Features

- ✓ Up To 30 Tons in Cooling Mode.
- ✓ Auxiliary Electric Heaters Available.
- ✓ Side Air Supply & Return.
- ✓ 24 V. Low Voltage Control Circuit.
- ✓ Washable Filter.
- ✓ Compact Design.
- ✓ Condenser with Blue Fins & Inner Groove Copper Tubes.
- ✓ Copeland Scroll Compressors.
- ✓ Easy Maintenance.
- ✓ Could be Used with Honeywell Controller.
- ✓ Pre-painted cabinet panels pass 1000 hours salt spray test.
- ✓ System current protection.
- ✓ High/Low-pressure switch protection.
- ✓ External pressure gauge ports.
- ✓ System self-diagnostic function.
- ✓ Thermostat with LCD Display (Optional).
- ✓ Centralized Controller (Optional).
- ✓ Anti Corrosion Treatment (Optional).



4, 5 Tons



7.5 Tons



10~15Tons



20 Tons



25-30 Tons



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ROOFTOP PACKAGE UNIT

MODEL NO.	APRH	048C 7A-DC1141	060C 7A-DC1170	075C 7A-DD1220	090C 7A-DD1260	105C 7A-DD1300	120C 7A-DD1350	150C 7A-DD1440	180C 7A-DD2530	210C 7A-DD2610	240C 7A-DD2700	300C 7A-DD2870	360C 7A-DD3105
Cooling Capacity Tons (kW)	Nominal	4.0 (14.1)	5.0 (17.0)	6.5 (22.2)	7.5 (26.0)	8.5 (30.0)	10.0 (35.0)	12.5 (44.0)	15.0 (53.0)	17.5 (61.0)	20.0 (70.0)	25.0 (87.9)	30.0 (105.0)
Efficiency - EER	BTU/Wh (W/W)	11.7	11.6	11.4	11.3	11.1	11.2	11.3	10.8	10.9	10.6	10.7	10.5
Refrigerant Control		Throttle Valve										Capillary	
ESP Default (Pa)		75 (0-200)	75 (0-200)	80 (0-250)	80 (0-250)	80 (0-200)	90 (0-250)	110 (0-275)	110 (0-325)	110 (0-250)	120 (0-375)	110 (0-350)	270 (0-400)
Air Flow CFM (m³/hr) - Hi Setting		1750 (2975)	2000 (3400)	2800 (4755)	2830 (4810)	3500 (5945)	4100 (6965)	5500 (9345)	7000 (11895)	7600 (12910)	8800 (14950)	10000 (16990)	12000 (20390)
Noise Level (dBA) - Hi Setting		64	66	71	72	72	72	72	76	75	75	77	78
Coil Type:		Grooved Copper Tubes - Hydrophilic Aluminum Fins											
Evaporator Section	Air Filter	Cleanable Type											
	Fan Type	Centrifugal											
	Fan QTY	1	1	1	1	1	1	1	1	1	1	1	1
	Fan Motor Load Amps (FLA)	2.94	2.94	3.92	3.92	3.92	3.92	5.89	5.89	5.89	5.89	14.72	14.72
	Fan Motor (HP)	1 1/2	1 1/2	2	2	2	2	3	5	5	5	7.5	7.5
	Fan Speeds	3											
Drain Connections inches (mm)	7/8 (21)												
Condenser Section	Fan Type	Axial											
	Fan QTY	1	1	1	1	1	1	1	1	2	2	2	2
	Fan Motor Load Amps (FLA) each	0.91	0.91	1.99	2.16	2.16	5.16	1.86	5.28	6.99 x 2	6.99 x 2	8.80 x 2	9.30 x 2
	Fan Motor (HP) each	1/2	1/2	1	1	1	2	1	2	3 x 2	3 x 2	5 x 2	5 x 2
	Compressor Type	Scroll											
	Brand	Copeland										Danfoss	
	Compressor QTY	1	1	1	1	1	1	2	2	2	2	2	2
	Compressor Pwr Input (kW) each	2.65	4.75	5.65	8.08	9.19	0.8	4.75 + 9.19	4.75 + 10.8	9.19 + 9.19	10.8 + 10.8	12.15 + 12.15	13.73 + 13.73
Compressor Rated (A) (RLA) each	8.6	10.9	12.5	14.3	18	21.1	10.9 + 18	10.9 + 21.1	18 + 18	21.1 + 21.1	23.6 + 23.6	27.6 + 27.6	
Compressor Locked (A) (LRA) each	51.5	64	75	121.2	127	144	64 + 127	64 + 144	127 + 127	144 + 144	158 + 158	197 + 197	
Controls		24V Low Voltage Control											
Refrigerant Charge R410A (oz./kgs.)		43.6 / 1.24	59.5 / 1.69	62.3 / 1.77	86.6 / 2.46	88.4 / 2.51	114.4 / 3.25	59.5 / 1.69 88.4 / 2.51	59.5 / 1.69 114.4 / 3.25	88.4 / 2.51 114.4 / 3.25	114.4 / 3.25 116.2 / 3.30	116.2 / 3.30 126.7 / 3.60	126.7 / 3.60 126.7 / 3.60
Electrical	Voltage/Phase/Frequency	380~415V / 3Ph / 50Hz											
	Power Input / Cooling (kW)	4.1	5.0	6.6	7.9	9.2	10.7	13.3	16.7	19.1	22.6	28	34.3
	Min. Circuit Amps (MCA)	14.65	16.50	23.5	29.4	29.6	30.2	41.5	45.4	57.4	64.1	74.7	84.3
	Max. Fuse Amps (MOCP)	20	20	30	40	45	45	60	70	90	100	110	125
Dimensions inches (mm)	Height	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	48 1/2 (1231)	48 1/2 (1231)	48 1/2 (1231)	48 1/2 (1231)	49 1/8 (1247)	49 1/8 (1247)	49 (1245)	49 (1245)
	Width	51 5/8 (1310)	51 5/8 (1310)	58 1/8 (1475)	58 1/8 (1475)	58 3/8 (1483)	58 3/8 (1483)	77 3/8 (1965)	77 3/8 (1965)	65 3/4 (1670)	65 3/4 (1670)	91 3/8 (2320)	91 3/8 (2320)
Depth	35 1/2 (900)	35 1/2 (900)	44 1/2 (1130)	44 1/2 (1130)	44 7/8 (1138)	44 7/8 (1138)	44 1/2 (1130)	44 1/2 (1130)	44 1/2 (1130)	86 1/4 (2192)	86 1/4 (2192)	86 5/8 (2200)	86 5/8 (2200)
Net Weight lbs (kgs)		368 (167)	397 (180)	492 (223)	509 (231)	666 (302)	712 (323)	332 (433)	955 (470)	1301 (590)	1477 (670)	1973 (895)	2006 (910)

- 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-1021.

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