

Engineered to elevate efficiency and comfort to the next level!

APRH SERIES

Heat Pump PACKAGE UNIT
(380~415V/3 Phase/50Hz)

Cooling Nominal: 4 - 30 Tons (22.0-98.0 kW)
Heating Nominal: 4-30 Tons (26.0-111.5 kW)

Product Features

- ✓ Up To 30 Tons in Cooling and Heating 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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APRH SERIES ROOFTOP PACKAGE UNIT (380~415V/3 Phase/50Hz)

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ROOFTOP PACKAGE UNIT

MODEL NO.	APRH	075H 7A-DC1220	090H 7A-DC1260	105H 7A-DD1300	120H 7A-DD1350	150H 7A-DD1440	180H 7A-DD2530	210H 7A-DD2610	240H 7A-DD2700	300H 7A-DD2870	360H 7A-DD3105
Cooling Capacity Tons (kW)	Nominal	6.6 (22.0)	7.9 (26.0)	9.3 (30.0)	10.7 (35.0)	13.3 (44.0)	16.7 (53.0)	19.1 (61.0)	22.6 (70.0)	28.9 (88.0)	32.8 (98.0)
Heating Capacity Tons (kW)	Nominal	7.5 (26.0)	8.9 (30.0)	10.6 (35.0)	11.9 (40.0)	13.2 (45.0)	17.2 (56.0)	19.5 (64.0)	23.6 (75.0)	30.3 (97.0)	36.5 (111.5)
Efficiency - EER	BTU/Wh (W/W)	11.4	11.3	11.1	11.2	11.3	10.8	10.9	10.6	10.4	10.2
	COP	11.9	11.6	11.3	11.5	11.7	11.1	11.2	11.0	10.9	10.4
Refrigerant Control		Throttle Valve						Capillary			
ESP Default (Pa)		80 (0~250)	80 (0~250)	80 (0~200)	90 (0~250)	110 (0~275)	110 (0~325)	110 (0~250)	120 (0~375)	130 (0~350)	270 (25~400)
Air Flow CFM (m³/hr) - Hi Setting		2800 (4757)	2830 (4808)	3500 (5947)	4100 (6966)	5500 (9345)	7000 (11893)	7600 (12912)	8800 (14951)	10000 (16990)	11200 (19029)
Noise Level (dBA) - Hi Setting		71	72.1	71.5	71.5	71.8	76.9	76.0	75.3	76.8	77.9
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
	Fan Motor Load Amps (FLA)	7.22	7.18	2.90	3.50	4.84	7.50	6.6	8.9	9.7	13.6
	Fan Speeds	3									
	Drain Connections inches (mm)	7/8 (21)									
Condenser Section	Fan Type	Axial									
	Fan QTY	1	1	1	1	1	11	2	2	2	2
	Fan Motor Load Amps (FLA) each	3.65	3.93	3.93	2.51	3.66	2.8	3.53x2	2.84x2	3.71x2	3.71x2
	Compressor Type	Scroll									
	Brand	Copeland	Danfoss	Hitachi	Hitachi	Copeland	Copeland	Copeland	Copeland	Danfoss	Danfoss
	Compressor QTY	1	1	2	2	2	2	2	2	2	2
	Compressor Pwr Input (kW) each	5.65	8.08	5.13x2	5.7x2	4.75+9.16	4.75+10.8	9.16x2	10.8x2	12.1x2	13.7x2
	Compressor Rated (A) (RLA) each	12.5	14.3	8.8	9.6	10.9 18	21.1	18	21.1	23.6	27.6
	Compressor Locked (A) (LRA) each	75	121.2	62x2	66x2	64+139	64+144	139x2	144x2	158x2	197x2
	Controls	24V Low Voltage Control									
Refrigerant Charge R410A (oz./kgs.)		62.4 / 1.77	86.8 / 2.46	45.9 / 1.3	45.9 / 1.3	59.4 / 1.7 88.6 / 2.5	59.4 / 1.7 114.8 / 3.3	88.6 / 2.5	114.8 / 3.3	116.4 / 3.3	127 / 3.6
Electrical	Voltage/Phase/Frequency	380~415V / 3Ph / 50Hz									
	Range	min 821 ~ max 1195									
	Power Input / Cooling (kW)	1.62	1.61	1.39	1.84	2.03	3.97	3.03	4.35	4.40	7.40
	Max. Fuse Amps (MOCP)	33.2	43.7	47.2	49.4	66.4	72.4	88.4	98.7	116	133.4
Dimensions inches (mm)	Height	33 1/8 (840)	33 1/8 (840)	48 1/2 (1231)	48 1/2 (1231)	48 1/2 (1230)	48 1/2 (1230)	49 1/8 (1274)	49 1/8 (1274)	45 1/8 (1245)	45 1/8 (1245)
	Width	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	44 1/2 (1130)	44 1/2 (1130)	44 7/8 (1138)	44 7/8 (1138)	44 1/2 (1130)	44 1/2 (1130)	86 1/4 (2192)	86 1/4 (2192)	87 3/8 (2220)	87 3/8 (2220)
Net Weight	lbs (kgs)	505 (229)	538 (244)	750 (340)	757 (343)	995 (451)	1085 (492)	1356 (615)	1522 (690)	2073 (940)	2139 (970)

- 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.