



30RAN SERIES OUTDOOR CENTRAL CHILLERS

30RAN Series air-cooled central chillers from AEC are designed for exterior installation, freeing up valuable indoor equipment space. With hermetic scroll compressors, the 30RAN Series chillers provide 10-60 ton cooling capacities.



30RAN Series

STANDARD FEATURES

- Hermetic scroll compressor(s)
- Direct expansion type brazed plate evaporator(s)
- Aluminum fin/copper tube condenser with direct drive reinforced polymer fans
- R-22 refrigerant
- Wind baffles may be required for -20°F operation
- Standard ambient operation from -20° to 125° F (-29° to 52° C)
Wind baffles required for -20°F operation
- Standard leaving water temperature setpoints are from 40° to 70° F (4.4° to 21° C). Other setpoint ranges are available upon request. Consult factory.
- Two independent circuits on 035 to 055
- Heavy-gauge galvanized steel frame and painted cabinet
- Refrigeration circuit(s) include filter dryer, sight glass, and thermal expansion valve
- Safeties include: high and low refrigerant, freezestat, phase loss, motor overload, and reverse rotation of the compressor
- 1 year warranty on parts and labor
- Factory startup

OPTIONAL FEATURES

- Non-fused disconnect switch
- 208/3/60, 230/3/30, or 575/3/60 operating voltages
- 4 year additional compressor warranty (compressor warranty covers the compressor parts only from years 2 through 5.)
- AWX Winter Kooler available for substantial savings

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HEAT AND COOL

SPECIFICATIONS

Model	Cooling capacity, tons ¹	Capacity stages	Energy rating EER (Btu/watt)	Chilled water flow, gpm (lpm)	Evaporator con. size (FPT)	Compressor qty.	Min. circuit amps, 460/3/60
30RAN 010	10.5	1	10.6	25.2	2	1	23.8
30RAN 015	15.2	1	10.5	36.5	2	1	33.6
30RAN 018	17.7	2	10.4	42.4	2	2	35.5
30RAN 022	23.8	2	10.8	57.1	2	2	44.7
30RAN 025	26.2	2	10.2	62.9	2	2	50.3
30RAN 030	30.2	2	10.5	72.4	2	2	58.4
30RAN 035	38.4	3	10.8	92.0	2.5	3	73.2
30RAN 040	41.7	3	10.4	99.9	2.5	3	78.8
30RAN 045	47.5	4	10.8	113.8	2.5	4	86.0
30RAN 050	52.3	4	10.2	125.3	2.5	4	95.5
30RAN 055	60.2	4	10.4	144.5	2.5	4	110.8

¹ Cooling capacity based upon 50% ethylene glycol at 50°F LWT with 60°F RWT at 95°F ambient temperature

DIMENSIONS

Model	Height, in. (mm)	Width, in. (mm)	Depth, in. (mm)	Ship. weight, lbs. (kg)
30RAN 010	52 (1321)	43 (1092)	82 (2083)	946 (428)
30RAN 015	52 (1321)	43 (1092)	82 (2083)	1066 (483)
30RAN 018	52 (1321)	43 (1092)	82 (2083)	1205 (547)
30RAN 022	52 (1321)	43 (1092)	108 (2743)	1519 (689)
30RAN 025	52 (1321)	43 (1092)	108 (2743)	1584 (718)
30RAN 030	52 (1321)	43 (1092)	108 (2743)	1699 (771)
30RAN 035	52 (1321)	90 (2286)	108 (2743)	2833 (1285)
30RAN 040	52 (1321)	90 (2286)	108 (2743)	2900 (1315)
30RAN 045	52 (1321)	90 (2286)	108 (2743)	3202 (1452)
30RAN 050	52 (1321)	90 (2286)	108 (2743)	3295 (1495)
30RAN 055	52 (1321)	90 (2286)	108 (2743)	3495 (1585)