

30RAN SERIES



Outdoor Central Chillers

AN EFFICIENT, SPACE SAVING SYSTEM FOR PROCESS COOLING

If you're cramped for plant space, the outdoor chiller may be the ideal solution for your process cooling needs. The outdoor air-cooled chiller works in conjunction with an in-plant reservoir and pumping system.

Models are available in capacities from 10 to 55 tons. Sterling systems are delivered installation-ready, full factory tested, pre-piped, pre-wired and completely weatherproofed. With 28 standard models and a comprehensive range of cooling capacities, there's a Sterling Air-Cooled Central Chilling System to meet your special requirements.



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
- Hot gas bypass
- Wind baffles may be required for below 20°F operation
- Standard ambient operation from -20° to 125°F (-29° to 49°C). (Glycol may be required)
- 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 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

Options

- 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)
- SWK Winter Kooler available for substantial savings

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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)