



30RB SERIES OUTDOOR CENTRAL CHILLERS

30RB Series air-cooled central chillers from AEC are designed for exterior installation, freeing up valuable indoor equipment space. With hermetic multiple scroll compressors, the 30RB Series chillers provide 60-300 ton cooling capacities.



30RB Series

STANDARD FEATURES

- Rotary scroll compressors
- Minimum load capacity control
- Direct expansion shell and tube cooler with cooler heaters
- Puron® R-410A refrigerant
- Standard ambient operation from -20°F to 125°F (-29°C to 52°C)
- Standard leaving water temperature setpoints are from 40°F to 60°F (4.4°C to 18.6°C). Other below temperature setpoint ranges are available upon request
- Three independent circuits
- Refrigeration(s) circuits include oil separator, discharge and liquid line shut off valves, filter dryer, sight glass and electronic expansion valve
- Safeties include: high and low refrigerant, freezestat, phase loss, motor overload, ground fault, voltage and current imbalance, evaporator flow switch, and reverse rotation of compressor
- One year parts and labor warranty with factory startup is standard

OPTIONAL FEATURES

- Non-fused disconnect switch
- 4 year extended compressor parts warranty
- Remote display panel
- Wind baffle / hail guard (drawings supplied)
- AWX Winter Kooler - supplemental cooling option

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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
30RB 060	63.8	200.7	10.4	185 (700)	4" victaulic	3	127.9
30RB 070	73.7	233.8	10.2	214 (810)		3	147.9
30RB 080	85.3	266.9	10.3	247 (935)		4	160.6
30RB 090	96.2	303.9	10.4	279 (1056)		4	154.6
30RB 100	106.2	336.6	10.3	308 (1165)		4	170.0
30RB 110	117	370.7	10.2	339 (1283)		5	180.8
30RB 120	131.2	416.3	10.4	380 (1438)	6" victaulic	6	262.0
30RB 130	141.8	447.2	10.5	411 (1555)		7	277.0
30RB 150	161.7	507.6	10.4	469 (1775)		7	303.0
30RB 160	170.9	537.8	10.8	496 (1878)		8	329.0
30RB 170	185.9	585.0	10.2	539 (2040)		8	356.0
30RB 190	210.3	662.6	10.5	610 (2309)		9	408.0
30RB 210	225.9	709.4	10.6	655 (2479)		9	422.9
30RB 225	239.6	753.3	10.4	695 (2631)		9	449.6
30RB 250	265.6	836.3	10.4	770 (2915)		10	502.0
30RB 275	290.4	914.7	10.4	842 (3187)		11	554.4
30RB 300	315.4	993.4	10.3	915 (3464)		12	606.8

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

DIMENSIONS

Model	Height, ft. (in.)	Width, ft. (in.)	Depth, ft. (in.)	Ship. weight, lbs. (kg)
30RB 060	7' 5-7/8"	7' 4-1/16"	7' 10-1/4"	3872 (1758)
30RB 070	7' 5-7/8"	7' 4-1/16"	7' 10-1/4"	4077 (1849)
30RB 080	7' 5-7/8"	7' 4-1/16"	7' 10-1/4"	4335 (1966)
30RB 090	7' 5-7/8"	7' 4-1/16"	11' 9-1/4"	5667 (2571)
30RB 100	7' 5-7/8"	7' 4-1/16"	11' 9-1/4"	5890 (2672)
30RB 110	7' 5-7/8"	7' 4-1/16"	11' 9-1/4"	6144 (2787)
30RB 120	7' 5-7/8"	7' 4-1/16"	15' 8-1/4"	7315 (3318)
30RB 130	7' 5-7/8"	7' 4-1/16"	15' 8-1/4"	7615 (3454)
30RB 150	7' 5-7/8"	7' 4-1/16"	15' 8-1/4"	8564 (3884)
30RB 160	7' 5-7/8"	7' 4-1/16"	19' 7-5/16"	9656 (4380)
30RB 170	7' 5-7/8"	7' 4-1/16"	19' 7-5/16"	9990 (4531)
30RB 190	7' 5-7/8"	7' 4-1/16"	23' 6-1/4"	11,400 (5172)
30RB 210	7' 5-7/8"	7' 4-1/16"	23' 6-1/4"	13,020 (5905)
30RB 225	7' 5-7/8"	7' 4-1/16"	23' 6-1/4"	13,350 (6055)
30RB 250	7' 5-7/8"	7' 4-1/16"	27' 5-1/4"	14,750 (6690)
30RB 275	7' 5-7/8"	7' 4-1/16"	31' 4-1/4"	16,200 (7348)
30RB 300	7' 5-9/16"	7' 4-1/16"	35' 3-5/16"	17,590 (7879)