

Brief Description

Colortronic's 30RB air-cooled packaged chiller units are fully piped and charged with Puron® refrigerant (R-410A). Weatherproof construction, lightweight distribution, and small footprint make them ideal for rooftop or ground level installation. Upward discharge airflow minimizes directional sound and carries heat away from surrounding areas.

Standard Features

- 60-300 ton cooling capacity (17 models)
- 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) circuit includes oil separator, discharge and liquid line shut off valves, filter dryer, sight glass and electronic expansion valve
- Safeties include: high and low refrigerant, freeze-stat, phase loss, motor overload, ground fault, voltage and current imbalance, evaporator flow switch, and reverse rotation of compressor
- One year parts warranty with factory startup is standard



Available Options

- 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

Specifications

Model	Cooling Capacity, tons ①	Capacity Stages	Energy Rating EER (Btu/watt)	Chilled Water Flow, gpm (lpm)	Evaporator Connection Size (FPT)	Compressor Quantity	Min. Circuit Amps, 460/3/60
30RB 060	63.8	4	10.4	185 (700)	4+Victaulic	3	127.9
30RB 070	73.7	4	10.2	214 (810)	4+Victaulic	3	147.9
30RB 080	85.3	5	10.3	247 (935)	5+Victaulic	4	160.6
30RB 090	96.2	5	10.4	279 (1,056)	5+Victaulic	4	154.6
30RB 100	106.2	5	10.3	308 (1,165)	5+Victaulic	4	170.0
30RB 110	117.0	6	10.2	339 (1,283)	6+Victaulic	5	180.8
30RB 120	131.2	6	10.4	380 (1,438)	6+Victaulic	5	262.0
30RB 130	141.8	7	10.5	411 (1,555)	6+Victaulic	6	277.0
30RB 150	161.7	7	10.4	469 (1,775)	6+Victaulic	6	303.0
30RB 160	170.9	8	10.8	496 (1,878)	6+Victaulic	7	329.0
30RB 170	185.9	8	10.2	539 (2,040)	6+Victaulic	7	356.0
30RB 190	210.3	9	10.5	610 (2,309)	6+Victaulic	8	408.0
30RB 210	225.9	10	10.6	655 (2,479)	6+Victaulic	9	422.9
30RB 225	239.6	10	10.4	695 (2,631)	6+Victaulic	9	449.6
30RB 250	265.6	11	10.4	770 (2,915)	6+Victaulic	10	502.0
30RB 275	290.4	12	10.4	842 (3,187)	6+Victaulic	11	554.4
30RB 300	315.4	12	10.3	915 (3,464)	6+Victaulic	12	606.8

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

Dimensions

Model	Height, ft.-in.	Width, ft.-in.	Depth, ft.-in.	Ship. Weight, lbs. (kg)
30RB 060	7 ϕ -7/8+	7 ϕ -1/16+	7q10-1/4+	3,872 (1,758)
30RB 070	7 ϕ -7/8+	7 ϕ -1/16+	7q10-1/4+	4,077 (1,849)
30RB 080	7 ϕ -7/8+	7 ϕ -1/16+	7q10-1/4+	4,335 (1,966)
30RB 090	7 ϕ -7/8+	7 ϕ -1/16+	11q9-1/4+	5,67 (2,571)
30RB 100	7 ϕ -7/8+	7 ϕ -1/16+	11q9-1/4+	5,890 (2,672)
30RB 110	7 ϕ -7/8+	7 ϕ -1/16+	11q9-1/4+	6,144 (2,787)
30RB 120	7 ϕ -7/8+	7 ϕ -1/16+	15q8-1/4+	7,315 (3,318)
30RB 130	7 ϕ -7/8+	7 ϕ -1/16+	15q8-1/4+	7,615 (3,479)
30RB 150	7 ϕ -7/8+	7 ϕ -1/16+	15q8-1/4+	8,564 (3,884)
30RB 160	7 ϕ -7/8+	7 ϕ -1/16+	19q7-5/16+	9,656 (4,380)
30RB 170	7 ϕ -7/8+	7 ϕ -1/16+	19q7-5/16+	9,990 (4,527)
30RB 190	7 ϕ -7/8+	7 ϕ -1/16+	23q6-1/4+	11,400 (5,172)
30RB 210	7 ϕ -7/8+	7 ϕ -1/16+	23q6-1/4+	13,020 (5,987)
30RB 225	7 ϕ -7/8+	7 ϕ -1/16+	23q6-1/4+	13,350 (6,055)
30RB 250	7 ϕ -7/8+	7 ϕ -1/16+	27q5-1/4+	14,750 (6,690)
30RB 275	7 ϕ -7/8+	7 ϕ -1/16+	31q4-1/4+	16,200 (7,348)
30RB 300	7 ϕ -9/16+	7 ϕ -1/16+	35q3-5/16+	17,590 (7,879)

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