

## 30RB SERIES

### Outdoor Central Chiller



**30RB Series Outdoor Central Chiller** is 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 60 to 300 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.

#### 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

R-410A refrigerant

Standard ambient operation  
from -20F to 125F (-29C to 52C)

Standard leaving water  
temperature setpoints are  
from 40F to 60F (4.4C to 18.6C).

Two or 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, freezestat, phase loss,  
motor overload, ground fault, volt-  
age and current imbalance, evap-  
orator 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)

SWK Winter Kooler –  
supplemental cooling option

**Efficient**

**Space Saving**

**Convenient**

## Product Diagrams

Model	Height ft. in.	Width ft. in.	Depth ft. in.	Ship. weight, lb (kg)
30RB 060	7' 5-7/8"	7' 4-1/16"	7' 10-1/4"	3872 (1758)
30RB 070				4077 (1849)
30RB 080				4335 (1966)
30RB 090			11' 9-1/4"	5667 (2571)
30RB 100				5890 (2672)
30RB 110				6144 (2787)
30RB 120			15' 8-1/4"	7315 (3318)
30RB 130				7615 (3454)
30RB 150				8564 (3884)
30RB 160			19' 7-5/16"	9656 (4380)
30RB 170				9990 (4531)
30RB 190				11400 (5172)
30RB 210			23' 6-1/4"	13020 (5905)
30RB 225				13350 (6055)
30RB 250				14750 (6690)
30RB 275			31' 4-1/4"	16200 (7348)
30RB 300	17590 (7879)			
	7' 5-9/16"		35' 3-5/6"	

## Specifications

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

