



HEAT & COOL

OUTDOOR SERIES AIR-COOLED CENTRAL CHILLERS



30RAN Model

OUTDOOR SERIES CHILLERS

Outdoor series, air-cooled central chillers from AEC are designed for exterior installation, freeing up valuable indoor equipment space. Factory-tested under full-load operating conditions, Outdoor Series chillers arrive on site in complete working order. They are delivered full wired, piped for refrigeration, charged with refrigerant and oil and completely weatherproofed. Once the electrical connections are complete and the water connections are made to the internal water system, your new air-cooled central chillers are ready for years of dependable service.

Engineered for superior energy efficiency, all Outdoor Series central chillers utilize rotary compressor technology. RAN models with 10 to 60 ton cooling capacities feature premium quality scroll compressors. RB models with 60 to 300 ton cooling capacities feature high-efficiency screw compressors for increased refrigeration capacity.

Outdoor Installation

28 Standard Models

Cooling Capacities From 10 To 300 Tons

30RAN STANDARD FEATURES

- 10-60 ton cooling capacity (11 models)
- Hermetic scroll compressors
- Direct expansion type brazed plate evaporator(s)
- Aluminum fin/copper tube condenser with direct drive reinforced polymer fans
- Minimum load capacity control
- R-22 refrigerant
- Standard ambient operation from -20°F to 125°F (-29°C 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
- Two independent circuits on 035 and 055
- Refrigeration(s) circuits include filter dryer, sight glass and thermal expansion valve
- Safeties include: high and low refrigerant, freeze-stat, phase loss, motor overload, and reverse rotation of the compressor



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OUTDOOR SERIES AIR-COOLED CENTRAL CHILLERS



30RB 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
- Wind baffle / hail guard (drawings supplied)
- Remote display panel. Other below temperature setpoint ranges are available upon request

ADDITIONAL STANDARD FEATURES

- 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, freeze-stat, 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

30RAN AND 30RB OPTIONS

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



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www.aecinternet.com



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