PROCESS WATER CHILLER
MODELS 8500 (25 TONS), 8550 (30 TONS)

AUTOMOTIVE GRADE chillers designed to operate 24/7 under the most demanding industrial conditions. These chillers are for inside installation. Outside and split versions are available.

SPECIFICATIONS

- **MODULE DESIGNED**: Saves energy by only using the amount of compressor horsepower needed to cool the load.
- **SERVICE HOT**: Any module can be serviced while others continue to operate; No down time
- **NOMINAL CAPACITY**:
  - 8500 = 300,000 BTU/hr
  - 8550 = 360,000 BTU/hr @90F ambient
- **Control**: Digital staged for maximum efficiency and energy savings
- **WATER PUMP**:
  - 8500 = 5HP (maximum 180gpm@35psi)
  - 8550 = 7-1/2 HP (maximum 230gpm @35psi)
- **BYPASS**: Internal pressure set, automatic, allows lower external water usage
- **EVAPORATORS**: One stainless steel brazed plate evaporator per module
- **CONDENSER**: Air-cooled, horizontal intake and exhaust. Water-cooled systems available.
- **FILTERS**: Washable air intake, and water return filter with flush valve

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- **WATER TANK:** Non-metallic, seamless, with cover
  - 8500 = 60 gallons
  - 8550 = 90 gallons
- **SAFETY SYSTEM:** Low water flow interlock switch
  - Low and High Freon safety system with indicating lights for each module
  - Overload protection for compressors and water pump
- **VOLTAGE:** 460V, 3Ø
  - 8500: MODULE 1 = 23A, MODULE 2 = 20A, MODULE 3 = 14A
  - 8550: MODULE 1 = 23A, MODULE 2 AND 3 = 20A
- **SIZE:**
  - 8500: MODULE 1 AND MODULE 2 = 52" X 50" X 44"; MODULE 3 = 52" X 50" X 38"
  - 8550: ALL MODULES = 52" X 50" X 44"
- **WEIGHT (approximate):**
  - 8500: MODULE 1 = 1,285 lbs, MODULE 2 = 1,235 lbs, MODULE 3 = 975 lbs.
  - 8550: MODULE 1 = 1,285 lbs, MODULE 2 AND MODULE 3 = 1,235 lbs each
- **OPTIONS:**
  - STACKING STAND: Option #8510 to put the third module over the second. See layouts below.
  - REMOTE CONDENSERS: Add the letter R after the model number. Remote condensers are supplied with all-weather outside enclosures and low-temperature kits.

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**INSIDE UNIT**
- with water pump, controls, tank, evaporators
- 46" X 28" X 29" (L X D X H)

**OUTSIDE CONDENSERS**
- 48" X 33" X 45" (L X D X H)

**SPLIT SYSTEMS. 8500R, 8550R**
- Requires refrigerant and control line connection in field (not part of chiller cost)

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