

## Evapco Evaporative Condenser- 57 Ton

Mfg: Evapco

Model: LSCB80

Stock No. OI169.

Serial No.

Evapco Closed Circuit Fluid Cooler- 57 Ton. Model: LSCB80. LSCB centrifugal fan units are recommended for a wide range of applications. LSCB models are very quiet and ideal for applications where noise is a concern. The pan and casing is constructed of G-235 hot-dip galvanized steel for long life and durability. The coils feature a patented design which assures maximum cooling capacity. The water distribution system is greatly simplified in EVAPCO units. Cooler has been repaired with brass solder. Can only be used as a fluid cooler; for non-refrigerant use only. Inlets/outlets: (2) 4 in. dia. refrigerant pipes. Overall dimensions: 81 in. L x 65 in. W x 12 ft. 3 in.

Century Pump with Magnetek Motor, 1/2 hp, 3450/2580 rpm, 208-230/460 V, 2.6-2.8/1.4 amps, 60/50 Hz, 3 phase. Principles of operation: The refrigerant is circulated through the coil of evaporative condenser. Heat from the refrigerant is dissipated through the coil tubes to the water cascading downward over the tubes. Simultaneously, air is forced upward, over the coil opposite the water flow by the fans. A small portion of the water is evaporated which removes the heat. The warm moist air is discharged to the atmosphere while the cooled water drains to the basin at the bottom of the condenser where it is recirculated by the pump up through the water distribution system and back down over the coils. The vertical air discharge of the LSCB design and the distance between the discharge air and the fan intake reduce the chance of air recirculation since the warm humid air is directed up and away from the unit.



