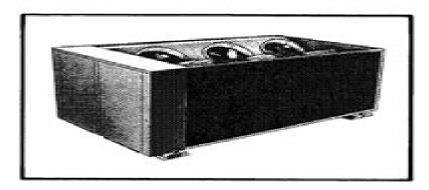


Advance Product Data

Nominal 60-Ton Capacity

Packaged Air-Cooled Flotronic™ Liquid Chiller 30GB060



Features

- Unit nominal capacity serves virtually any large commercial or institutional air conditioning need or industrial process cooling requirement.
- High-tech solid-state electronic control circuitry tested to U.S. Government Space Agency standards.
- Microprocessor control maintains total control over chiller functions, permitting intelligent control of the refrigerant cycle.
- Diagnostic module with digital display included to permit rapid troubleshooting just by pressing a button.
- Electronic expansion valves (EXV) operate down to 15 psig (103 kPa) pressure differential. (Ordinary thermostatic expansion valve typically requires 100 psig [690 kPa] differential.) This reduces compressor motor power requirements and improves the unit EER.
- Flotronic^{**} chiller provides up to 28% efficiency improvement over standard 30GB chillers on an annual basis.
- Additional operating cost savings with precise multiplestep compressor capacity control.
- Multiple compressors and dual refrigerant circuits help to protect against the possibility of loss of total capacity.
- Semi-hermetic 06E compressors are serviceable in the field.

- Designed for outdoor installation to minimize required mechanical room space.
- Air-cooled condenser design saves condenser water and eliminates cooling tower.
- Domestic units will operate to 115 F (46 C).
- Protection against freeze-up low water temperature cutoff and electric heaters protect cooler.
- Available as standard with aluminum fins and copper tubes for normal applications, or with all-copper coils.

Field-installed accessories

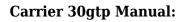
- Demand limit control module (required for remote ON/OFF control)
- Leaving chilled water temperature reset accessory board.
- Sensor kit assembly for outdoor or space temperature reset of chilled water temperature
- Ground current refrigeration circuit protection
- Discharge and suction pressure gage panel
- Oil pressure switch package includes oil pressure switches (2) for unit
- Capacity control: accessory electric suction cutoff unloader
- Motormaster[®] head pressure control (requires unit modification for low-ambient operation)

Factory-installed option (FIOP)

Thermal expansion valves — For those situations where energy savings of the EXV are secondary and equipment first costs are most important. With this option, the electronic expansion valve and controls related to the EXV function, head pressure control and its related part-load energy savings, are deleted from unit and are replaced by thermal expansion valves and liquid line solenoid valves. Minimum operating ambient for FIOP TXV-equipped units with standard head pressure control is 32 F. Contact your Carrier representative for details on operation at temperatures below 32 F. The FIOP model continues to have microprocessor features and diagnostic capability. Standard accessories are useable.

Carrier 30gtp Manual

Ian Pickup



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