



530 kW (150-ton) 50 Hz Rental Chiller Module



Shown with Optional Equipment

YORK CHILLER

- One York 530 kW (150-ton) air cooled reciprocating chiller
- Separate refrigeration circuits — to provide redundancy up to two 265 kW (75-ton) compressors
- “Black fin” condenser surface (corrosion-resistant fin surface)

MOTOR CONTROL CENTER

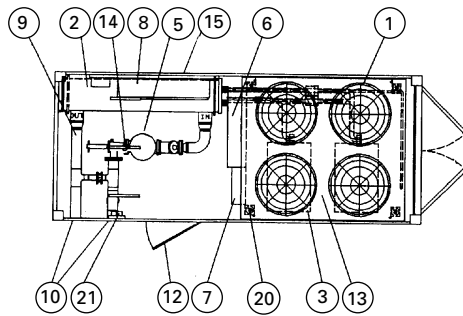
- Total amperage: 420 amps at 400V, including chiller
- One feed including 3 phase and one ground
- Motor Control Center provides protection from power surges and peaks, and provides disconnects for each compressor and pump
- “Control Power On” lamp notifies user that 400 volts is present
- 2 x 250 amp feeder circuit breakers, one per compressor
- EN rated motor starters for circulating pumps with manual HAND-OFF-AUTO controls for each pump
- 1 x 4 kV•A control transformer for module auxiliaries
- Convenient 230 volt inlets allow user to supply power to critical warm-up circuits prior to running so that 400 volt power can be left disconnected

ISO CONTAINER PACKAGE

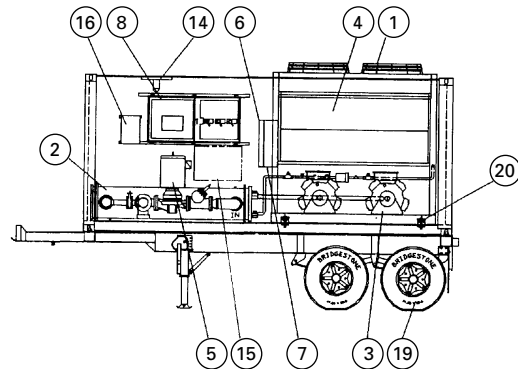
- One 14.9 kW (20 hp) Bell and Gossett pump that delivers from 16-44 lps — 32 lps nominal (250-700 gpm — 500 gpm nominal) at 300 kPa (100 feet) of head pressure (this provides flexibility for systems requiring different flows)
- 152 mm (6 in) nominal bore butterfly valves
- 152 mm (6 in) BS4504 flanged water fittings (external access for ease of connections)
- In-line water strainers (protect system from foreign objects)
- Triple-duty valves (to dial in proper flow to evaporators, act as check valve and shut-off valve)
- Insulated water and suction lines (to prevent condensation)
- Lines fitted with vibration absorbers (to prevent vibration damage)
- Low flow bypass on water lines (to prevent freezing evaporators in low flow conditions)
- Lockable access door (to prevent unauthorized personnel from accessing high voltage cables)
- 230 VAC lighting (external low voltage connection for lighting without 400V power supply)
- Removable air intake louvers (removable for serviceability)
- Vertical air discharge (directs air away from pedestrians or buildings)
- Optional chassis



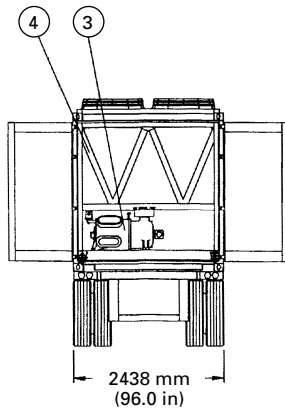
DIMENSIONS



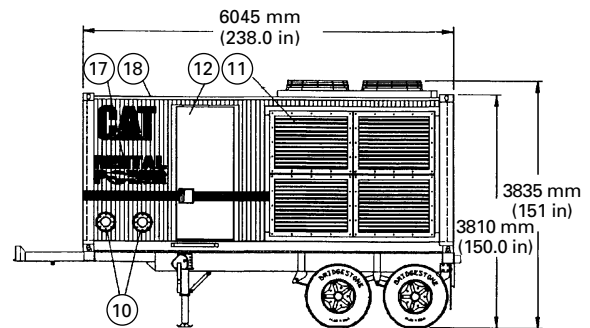
Floor Layout
Chiller Unit



Interior Detail
Chiller Unit



Rear View with Doors Open
Chiller Unit



Side View
Chiller Unit

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| ① Reciprocating Liquid Chiller | ⑧ Distribution/Motor Control Center | ⑮ Exterior Electrical Connections to CE |
| ② Dual-Circuit Cooler | ⑨ 152 mm (6 in) System Piping | ⑯ Literature Box |
| ③ Semi-Hermetic Compressor Motor | ⑩ Customer Connections – 152 mm (6 in) flanges | ⑰ Caterpillar Rental Decals |
| ④ Black Fins Condenser Coils | ⑪ Exterior Ventilation Louver – Bolt-In | ⑱ Chassis Arrangement |
| ⑤ In-Line Centrifugal Circulation Pump | ⑫ Entrance Door | ⑳ Vibration Isolators |
| ⑥ Chiller Microcomputer Control Center | ⑬ Roof Exhaust Opening | ㉑ Light Switch and Receptacle |
| ⑦ Power Panel for Compressors and Fans | ⑭ 230V AC Light | |

The container meets or exceeds the following standards and regulations.

- ISO/TC 104 requirements for cargo containers.
- ANSI/MH5.1 basic requirements for closed van containers.
- UIC code 592-1 International Union of Railway.

This unit typically weighs 11 340 kg as shipped. The complete unit weighs 14 061 kg with chassis. Empty chassis weighs 2721 kg. These weights do not include tractor.

Consult your Caterpillar representative for details.