

CATERPILLAR®

1060 kW (300-Ton) 50 Hz Rental Chiller Module



Shown with Optional Equipment

YORK CHILLER

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

CAT® MOTOR CONTROL CENTER

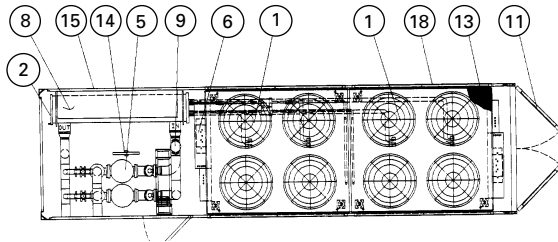
Total amperage: 750 amps at 400 V, including chiller
Two feeds: each includes 3 phase and one ground
Motor Control Center provides protection from power surges and peaks, and provides disconnects for each compressor and pump
“Control Power On” lamp notifies user that 400 volts is present
4 x 250 amp 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

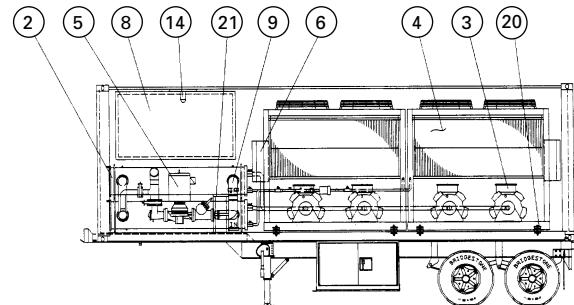
Two 14.9 kW (20 hp) Bell and Gossett pumps.
Each delivers from 16-44 lps — 32 lps nominal (250-700 gpm — 500 gpm nominal) at 300 kPa (100 feet) of head pressure (this provides flexibility for systems requiring different flows)
152 mm (6 in) nominal bore butterfly valves
152 mm (6 in) BS4504 flanged water 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



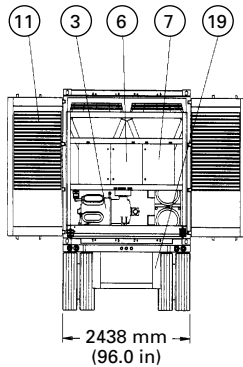
DIMENSIONS



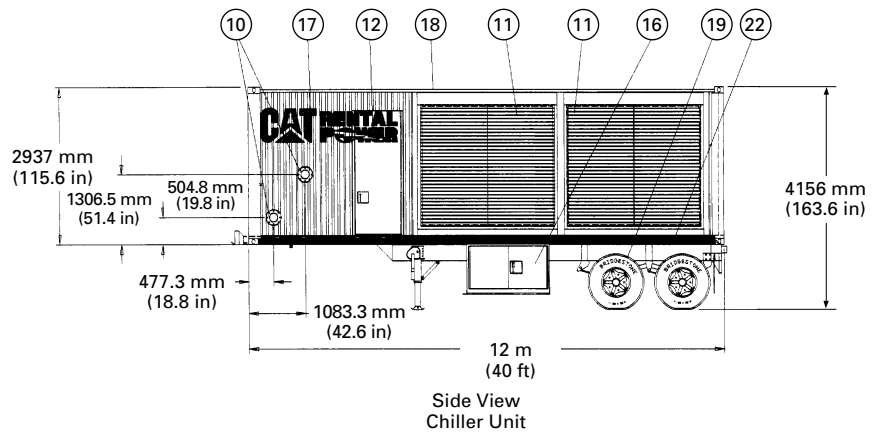
Floor Layout
Chiller Unit



Interior Detail
Chiller Unit



Rear View with Doors Open
Chiller Unit



Side View
Chiller Unit

- | | | |
|--|--|-----------------------------------|
| ① Reciprocating Liquid Chiller | ⑧ Distribution/Motor Control Center | ⑮ Exterior Electrical Connections |
| ② Dual-Circuit Cooler | ⑨ 152 mm (6 in) System Piping | ⑯ Optional Cable Storage Box |
| ③ Semi-Hermetic Compressor Motor | ⑩ Customer Connections 152 mm (6 in) flanges | ⑰ Caterpillar Rental Decals |
| ④ Black Fin Coated Condenser Coils | ⑪ Exterior Ventilation Louver | 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 Bar Grate Walk Platform |
| ⑦ Power Panel for Compressors and Fans | ⑭ 230V AC Light | ㉒ Channel Reinforcement |

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 15 900 kg as shipped. The complete unit weighs 19 800 kg with chassis. Empty chassis weighs 3900 kg. These weights do not include tractor.

Consult your Caterpillar representative for details.

Materials and specifications are subject to change without notice.

LEHX8245
Supersedes LEHX8067

Printed in U.S.A.

The International System of Units (SI) is used in this publication.

© 1998 Caterpillar Inc.
All rights reserved.