



30HXA, HXC076-271
ComfortLink™ Water-Cooled and
Condenserless Liquid Chillers
50/60 Hz
Series 6

Installation Instructions

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SAFETY CONSIDERATIONS

Installing, starting up, and servicing this equipment can be hazardous due to system pressures, electrical components, and equipment location. Only trained, qualified installers and service mechanics should install, start up, and service this equipment.

IMPORTANT: This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with these instructions, this equipment may cause radio interference. The equipment has been tested and found to comply with the limits of a Class A computing device as defined by the FCC (Federal Communications Commission, U.S.A.) Regulations, Subpart J of Part 15, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

When working on the equipment, observe precautions in the literature, and on tags, stickers, and labels attached to the equipment.

- Follow all safety codes.
- Wear safety glasses and work gloves.
- Use care in handling, rigging, and setting bulky equipment.

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

Model 30
Tab 1/50

PC 903

Catalog No. 533-00065

Printed in U.S.A.

Form 30HXC-1225

Pg 1

1-04

Replaces: 30HXC-1134

INTRODUCTION

These instructions cover installation of 30HXC liquid chillers with electronic controls and units with factory-installed options (FKOP).

INSTALLATION

Step 1 — Inspect Shipment — Inspect unit for damage upon arrival. If damage is found, immediately file a claim with the shipping company. Verify proper unit delivery by checking unit nameplate data (see Fig. 1). Do not store units in an area exposed to weather because of sensitive control mechanisms and electronic devices.

30HXC 076 R - - 6 5 1 AA									
Model Description									
30HXC =									
Water-Cooled									
Liquid Chiller									
Nominal Size									
076 = 76, 100									
076 = 76, 100									
076 = 76, 100									
076 = 76, 100									
076 = 76, 100									
076 = 76, 100									
Refrigerant/Cooler Options									
L = Nitrogen with Minimum 1-Phase Cooler									
M = R-1234 with Minimum 1-Phase Cooler									
N = Nitrogen with Standard Cooler									
O = R-1234 with Plus 1-Phase Cooler									
P = Nitrogen with Plus 1-Phase Cooler									
R = R-1234 with Standard Cooler									
Electrical Options									
A = Factory Line Start									
B = Field-Installed Disconnect									
C = 4-Quadrant Disconnect									
D = 4-Quadrant and Field-Installed Disconnect									
Option Code Descriptions: 1 = Minimum Load Control; 2 = Section Service Valve; and 3 = Medium Temperature Brine									
Factory-Installed Option Codes									
AA = 1									
AB = 1									
AC = 1									
AD = 1									
AE = 1									
AF = 1									
AG = 1									
AH = 1									
AI = 1									
AJ = 1									
Packaging Code									
1 = Standard Container									
2 = Standard Export									
Series									
Shipping Code									
1 = 175-2-400									
2 = 175-2-400									
3 = 175-2-400									
4 = 175-2-400									
5 = 175-2-400									
6 = 175-2-400									
7 = 175-2-400									
8 = 175-2-400									
9 = 175-2-400									
Shipping Options									
A = Refrigerator Chiller									
B = Refrigerator Chiller with Energy Management									

Fig. 1 — 30HXC Identification

Locate unit indoors. When considering unit location, consult National Electrical Code (NEC, U.S.A.) and local code requirements. Allow sufficient space for wiring, piping, and service. Install unit in an area which will not be exposed to ambient temperatures below 50 F (10 C). See Fig. 2-10 for clearance details.

Allow the following clearances for service access:

Front	3 ft (914 mm)
Rear	3 ft (914 mm)
Top	2 ft (610 mm)
Ends	3 ft (914 mm) at one (either) end, 3 ft (914 mm) at opposite end.

Be sure surface beneath unit is level and is capable of supporting the operating weight of the unit. See Fig. 11 and 12 and Tables 1A and 1B for unit mounting and operating weights. If necessary, add supporting structure (steel beams or reinforced concrete slabs) to floor to transfer weight to nearest beams.

Copy continued on page 65

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