

# Installation Instructions

## CONTENTS

	Page
<b>SAFETY CONSIDERATIONS</b> .....	1
<b>INSTALLATION</b> .....	1-24
<b>Step 1 — Rig and Place the Unit</b> .....	1
• RIGGING	
• PLACING UNIT	
• MOUNTING UNIT	
<b>Step 2 — Check Compressor Mounting</b> .....	3
<b>Step 3 — Cooler Fluid and Drain Piping</b> .....	3
• CONNECTIONS	
• ALL UNITS	
• UNITS WITH FACTORY-INSTALLED HYDRONIC PACKAGES	
<b>Step 4 — Fill the Chilled Water Loop</b> .....	12
• AIR SEPARATION	
• WATER SYSTEM CLEANING	
• FILLING THE SYSTEM	
• PREPARATION FOR YEAR-ROUND OPERATION	
• FREEZE PROTECTION	
• PREPARATION FOR WINTER SHUTDOWN	
<b>Step 5 — Make Electrical Connections</b> .....	18
• POWER SUPPLY	
• POWER WIRING	
• FIELD CONNECTIONS	
<b>Step 6 — Install Accessories</b> .....	24
• ELECTRICAL	
<b>Step 7 — Check Refrigerant Circuit</b> .....	24
• LEAK TESTING	
• DEHYDRATION	
• REFRIGERANT CHARGE	
<b>APPENDIX A (Pressure Drop Curves, 30RA010-055)</b> .....	25-27

## SAFETY CONSIDERATIONS

Installing, starting up, and servicing air-conditioning equipment can be hazardous due to system pressures, electrical components, and equipment location (roofs, elevated structures, etc.).

Only trained, qualified installers and service mechanics should install, start up, and service this equipment (Fig. 1).

Untrained personnel can perform basic maintenance functions such as cleaning coils. All other operations should be performed by trained service personnel.

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.
- Keep quenching cloth and fire extinguisher nearby when brazing.
- Use care in handling, rigging, and setting bulky equipment.

## ⚠ WARNING

Before performing service or maintenance operations on unit, turn off main power switch to unit. Electrical shock could cause personal injury.

## INSTALLATION

### Step 1 — Rig and Place the Unit

**RIGGING** — Preferred method for rigging is with spreader bars from above the unit. Use hooks in lifting holes. Rig at a single point with 4 cables or use spreader bars. All panels must be in place when rigging. See rigging label on unit for details concerning shipping weights, distance between lifting holes, center of gravity, and lifting ring dimensions. See Tables 1A and 1B for physical data. Refer to Fig. 2 for unit weights. See Fig. 3 for rigging label.

If overhead rigging is not possible, place chiller on skid or pad for rolling or dragging. When rolling, use a minimum of 3 rollers. When dragging, pull the pad. *Do not apply force to the unit.* When in final position, raise from above to lift unit off pad.

## ⚠ CAUTION

All panels must be in place when rigging. Damage to unit could result.

**PLACING UNIT** — There must be at least 3 ft (0.9 m) for service and for unrestricted airflow on all non-coil sides of unit, and a minimum of 3.5 ft (1.1 m) clear air space on coil sides. For multiple units, allow 8 ft (2.48 m) separation between units for airflow and service.

**MOUNTING UNIT** — When unit is in proper location, use of mounting holes in base rails is recommended for securing unit to supporting structure, or for mounting unit on vibration isolators if required. See Fig. 3. Fasteners for mounting unit are field supplied. Be sure unit is level to within  $\frac{1}{8}$  in. per foot for proper oil return to compressor.



Fig. 1 — Typical 30RA Unit (010-018 Shown)

# Carrier Aquasnap Manual

**R Bogdan**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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### **Table of Contents Carrier Aquasnap Manual**

1. Understanding the eBook Carrier Aquasnap Manual
  - The Rise of Digital Reading Carrier Aquasnap Manual
  - Advantages of eBooks Over Traditional Books
2. Identifying Carrier Aquasnap Manual
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Carrier Aquasnap Manual
  - User-Friendly Interface
4. Exploring eBook Recommendations from Carrier Aquasnap Manual
  - Personalized Recommendations
  - Carrier Aquasnap Manual User Reviews and Ratings
  - Carrier Aquasnap Manual and Bestseller Lists

5. Accessing Carrier Aquasnap Manual Free and Paid eBooks
  - Carrier Aquasnap Manual Public Domain eBooks
  - Carrier Aquasnap Manual eBook Subscription Services
  - Carrier Aquasnap Manual Budget-Friendly Options
6. Navigating Carrier Aquasnap Manual eBook Formats
  - ePub, PDF, MOBI, and More
  - Carrier Aquasnap Manual Compatibility with Devices
  - Carrier Aquasnap Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Carrier Aquasnap Manual
  - Highlighting and Note-Taking Carrier Aquasnap Manual
  - Interactive Elements Carrier Aquasnap Manual
8. Staying Engaged with Carrier Aquasnap Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Carrier Aquasnap Manual
9. Balancing eBooks and Physical Books Carrier Aquasnap Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Carrier Aquasnap Manual
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Carrier Aquasnap Manual
  - Setting Reading Goals Carrier Aquasnap Manual
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Carrier Aquasnap Manual
  - Fact-Checking eBook Content of Carrier Aquasnap Manual
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

#### 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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