Horizon™ Ice Machine Installation Instructions for Harmony™ Top-mount Applications

HCD/HMD700RHT
HCD/HMD700NHT

(See model number configurator on page 2 for details.)

Horizon top-mount ice machines fit most countertop dispensers manufactured by

Cornelius • Lancer • SerVend
<table>
<thead>
<tr>
<th>Machine</th>
<th>Voltage</th>
<th>Series</th>
<th>Condenser</th>
<th>Application</th>
<th>Configuration</th>
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<tbody>
<tr>
<td>MC</td>
<td>208-230/60/1</td>
<td>400</td>
<td>Air-cooled, self-contained</td>
<td>Vision™</td>
<td>S RIDE®</td>
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<td>HC</td>
<td>115/60/1</td>
<td>700</td>
<td>Water-cooled, self-contained</td>
<td>Harmony™</td>
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<td>Top-mount</td>
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<td>HC</td>
<td>208-230/60/1</td>
<td>1000</td>
<td>Air-cooled, remote condensing unit</td>
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<td>(icemaking</td>
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<td>Air-cooled, no condensing unit for connection</td>
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<td>to parallel rack system</td>
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<td>115/60/1</td>
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*Remotely condensing: HARMONY • TOP-MOUNT*
Read and complete the following 8 installation steps

1. Unpack
2. Site preparation
3. Dispenser preparation
4. Louvered docking assembly
5. Ice transport tube
6. External connection
7. Internal connection
8. Front cover
Carefully unpack and inspect the contents of your Follett ice machine.

1. Unpack ice machine

1.1 Unpack ice machine

1. Insert pallet

2. Unpack ice machine

3. Unpack carton

4. Remove packaging

5. Install top frame

6. Place on pallet
Prepare the installation site.

Provide drainage, water supply and electrical power to within 6 feet (2m) of ice machine in accordance with local and national codes. Outdoor installation of low side is not recommended and will void warranty.

2.1 Installation site requirements

Electrical 1
- 120/60/1-6 amps

Potable water supply 2
- 10-70 psi (69-483kpa)
- 45-90 F (7-32 C)
- Water supply must be treated by a scale-inhibiting filter (item# 00130286)

Drain 3
- The drain line from the ice machine must be vented and have at least 1/4” per foot pitch (6,4mm/0,3m)

Refrigeration lines 4
- 5/8” (15,8mm) diameter suction (insulated)
- 3/8” (9,5mm) liquid 5
Prepare the dispenser.

Note: The instructions below only apply to 22" & 30" wide dispensers. 44" wide dispenser instructions may be found with the top kit.

3.1 Top preparation – ALL

All models
• Remove protective tape from gaskets ①

3.2 Top preparation – ALL

• Apply gaskets ①.
• Install coupling ② through bottom of dispenser top and secure with locking nut ③

3.3 Top preparation – ALL

• Screw 4" (102mm) extension ① into bottom of shuttle actuator ②

3.4 Top preparation – CORNELIUS

Cornelius models only
• Remove protective tape ①
• Apply gasket ②
3.5 Top preparation – LANCER

Lancer models only
- Remove protective tape ➊
- Apply gaskets ➋

3.6 Agitation adjust. – CORNELIUS

Cornelius models ED, DB, DF, IDC and Flavor Fusion
Adjust the agitation timer located on the Cornelius PC board to 1 second on, 1 hour off. Note: see Cornelius manual for more information.

3.7 Agitation adjustments – LANCER 4500 SERIES

Lancer 4500 series only
Adjust the agitation time to 1 second, and the agitation frequency to 150 minutes. Note: See Lancer manual for more information.
### 3.8 Agitation adjustments – LANCER FS SERIES

**Lancer FS series only**
- Hold down “cancel” and “left button” to get to hidden menu ❶
- Type in code 6655
- Type in 150 minutes of off time and 1000 milliseconds (1 second of time) as the preferred setting

**Note:** See Lancer manual for more information.

### 3.9 Agitation adjustments – SERVEND

**SerVend models only**
No agitation adjustment required.
3.10 Dispenser diverter plate overview (Installation on next page)

**Single Agitator**

P/N 307277 — Diverter plate (single agitator Cornelius dispensers and left-hand dispense chute on dual-agitator Cornelius dispensers)

**Dual Agitator**

P/N 307277 — Diverter plate (single agitator Cornelius dispensers and left-hand dispense chute on dual-agitator Cornelius dispensers)

P/N 00996207 — Diverter plate (right-hand dispense chute on dual-agitator dispensers)
Cornelius ED, DF and DB series only
These dispensers require the installation of an ice diverter at the dispenser opening.
- Disassemble chute assembly
- Discard factory restrictor plate
- Replace with alternate diverter plate (supplied)

Cornelius IDC and Flavor Fusion
These dispensers require modifications for compatibility with Chewblet ice. Agitation times must be set to 1 second ON, 1 hour OFF and the ice restrictor plate must be adjusted to the fully open position. See your beverage supplier for these modifications.
Install the louvered docking assembly.

4.1 Louvered docking assembly

- Mount louvered docking assembly ➊
- “Rough-in” the refrigerant piping ➋
- Seal perimeter of docking station to mounting surface ➌
4.2 Refrigerant lines

- Braze supplied expandable refrigerant lines in place 1
Install the ice transport tube.

### 5.1 Ice transport tube

- Cut transport tube to 26” (66 cm) length
- Install supplied ice transport tube insulation
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers before making connection to ease assembly
- Connect ice transport tube to coupling on louvered docking station
- Connect ice transport tube to shuttle actuator
Connect utilities to louvered docking assembly.

**6** External connections

- Remove access panel if necessary.
- Install drain line ①. The rigid drain line from the ice machine must be vented and have at least 1/4” per foot (6,4mm/0,3m) pitch.
- Install icemaker potable water supply ② (Water supply must be treated by a scale-inhibiting filter (item# 00130286)
- Replace access panel

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**6.1 Water and drain**

![Diagram of water and drain connections]

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**HARMONY • TOP-MOUNT remote condensing**
Connect louvered docking assembly to ice machine.

**Internal connections**

**7.1 Ice transport tube installation**
- Slide ice machine into louvered docking assembly ➊
- Insert ice transport tube all the way into coupling and tighten nut firmly ➋

**7.2 Water and drain lines**
- Insert potable water line into valve ➊

**7.3 Refrigeration lines**
- Braze refrigerant lines

**7.4 Power cord**
- Remove twist tie
- Carefully pass plug thru opening and plug into wall outlet
Position plate into opening and secure with supplied screw.
Install front cover to ice machine.

8.1 Install condensing unit

- Complete installation of condensing unit or connection to rack system.

8.2 Install ice machine front cover

- Slide ice machine cover over machine, ensuring that tabs on back of cover slip under louvers on back of louvered docking assembly 1, then tighten two screws through cover
- Place louvered front cover on machine 2

NOTICE

- Ice machine MUST be sanitized prior to operation!
- Consult Operation and Service Manual provided with ice machine for sanitizing instructions.
- To prevent circuit breaker overload, wait 15 minutes before restarting this unit. This allows the compressor to equalize and the evaporator to thaw.