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

HCD/HMD710AHT, HCC1010AHT, HCC1410AHT, HCC1010WHT, HCC1410WHT,
HMC1010AHT, HMC1410AHT, HMC1010WHT, HMC1410WHT,
HCE1010AHT, HCE1410AHT, HCE1010WHT, HCE1410WHT
HME1010AHT, HME1410AHT, HME1010WHT, HME1410WHT
(See model number configurator on page 2 for details.)

Horizon top-mount ice machines
fit most countertop dispensers manufactured by
Cornelius • Lancer • SerVend

Order parts online
www.follettice.com
**CAUTION!**

- This appliance should be connected by a qualified person in accordance with applicable codes.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Connect to potable water supply only.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should be supervised to ensure that they do not play with the appliance.
- This appliance is intended to be used for household and similar applications such as staff kitchen areas in shops, offices and other working environments; farm houses and by clients in hotels, motels and other residential type environments; bed and breakfast type environments; catering and similar non-retail applications.
- **WARNING!** To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.

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### Chewblet® Ice Machine Model Number Configurations

<table>
<thead>
<tr>
<th>Icemaker</th>
<th>Voltage</th>
<th>Series</th>
<th>Condenser</th>
<th>Application</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC Maestro™</td>
<td>208-230/60/1 (icemaking head)</td>
<td>C</td>
<td>425 up to 425 lbs (193 kg)</td>
<td>Air-cooled, self-contained</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Self-contained only</td>
<td></td>
<td>710 up to 675 lbs (306 kg)</td>
<td>Water-cooled, self-contained</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>115/60/1 (icemaking head)</td>
<td>D</td>
<td>510 up to 1061 lbs (482 kg)</td>
<td>Air-cooled, remote condensing unit</td>
<td>R</td>
</tr>
<tr>
<td></td>
<td>Self-contained and remote</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>230/50/1 (icemaking head)</td>
<td>E</td>
<td>1410 up to 1466 lbs (665 kg)</td>
<td>Air-cooled, no condensing unit for connection to parallel rack system</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>Self-contained only</td>
<td></td>
<td>1810 up to 1790 lbs (812 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>115/60/1 (icemaking head)</td>
<td>F</td>
<td>2110 up to 2039 lbs (925 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Remote only; High side is 208-230/60/3.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HC Horizon Chewplet (710, 1410, 1810, 2110 Series)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HM Horizon Micro Chewplet</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Configuration:**
- **A** Air-cooled, self-contained
- **W** Water-cooled, self-contained
- **R** Air-cooled, remote condensing unit
- **N** Air-cooled, no condensing unit for connection to parallel rack system
- **V** Vision™
- **H** Harmony™
- **B** Ice storage bin
- **J** Drop-in
- **M** Ice Manager diverter valve system
- **P** Cornelius Profile PR150
- **S** RIDÉ™ (RIDÉ remote ice delivery equipment)
- **T** Top-mount
Read and complete the following 8 installation steps

1. Unpack
2. Site preparation
3. Bin 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.

### 1.1 Unpack ice machine

1. Carefully unpack and inspect the contents of your Follett ice machine.

2. **DO NOT TILT ICE MACHINE TO ACCESS BOLTS!**

3. COMPRESSOR DAMAGE WILL RESULT

4. 7/16" 7/16" 7/16" 7/16"

5. **DO NOT TILT ICE MACHINE TO ACCESS BOLTS!**

6. COMPRESSOR DAMAGE WILL RESULT

7. Unpack ice machine
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 is not recommended and will void warranty.

2.1 Installation site requirements

Electrical

- H_C1010/1410(A/W)HT 208-230/60
- H_E1010/1410(A/W)HT 230/50‡

(H_E1010A/W requires 15A dedicated circuit 1.50 mm² wire; H_E1410A/W requires 20A dedicated circuit 4.00 mm² wire)

‡ Plug must be provided by end user & must conform to standard EN 60 335-2-24 of the end destination.

Potable water supply

- 10-70 psi (69-483kpa)
- 45 to 90 F (7 to 32 C)
- Follett recommends the use of an in-line water filtration system (item# 00130286)
- This equipment is to be installed with adequate backflow protection to comply with applicable federal, state, and local codes

Condenser water supply for water-cooled systems

- 10 psi min.; 150 psi max. (69kpa min.; 1034kpa max.)
- 45 to 90 F (7 to 32 C)
- 1.5 gallons per minute (5.68 liters per minute)

Drain

- Minimum 8" radius on silicone drain line. Drain line from the ice machine must have at least 1/4" per foot pitch (6.4mm/0.3m).
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 ①
- Apply gaskets ②

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. See Lancer manual for more information.

3.8 Agitation adjustments – LANCER Sensation and Touchpoint

No agitation adjustment required
### 3.9 Agitation adjustments – LANCER FS SERIES

**Initialization Screen**
(Boot Up Only)

- **Lancer FS-16**
  - **Ver. 0.200**

**Main Menu**
- FS-16 Setup
  - Major/Minor
  - FS-16 Setup
    - Config Bonus Key
  - FS-16 Setup
    - Soda/Plain Water
  - FS-16 Setup
    - Config Dispense Only
  - FS-16 Setup
    - PC Mode
    - PC Time
    - Ice Stir Off
    - Ice Stir On
    - Sold Out
    - Carb Sensors
  - FS-16 Setup
    - Ice Bin Sensors
    - Valve Code Version
    - Number Of Valves
    - Reset Defaults

**Sub-Catagory**
- Brands Per Side
  - V: 1 L: 2 R: 1
- Bonus Key Setup
  - V: 1 T: F M: S B: W
- Soda/Plain Water
  - V: 2 1: S 2: W 3: S 4: W
- Dispense Delay
  - V: 1 B: 1 DLY1
- Set PC Mode Menu
  - Off  On
  - On Time (MSEC)
    - 05000
  - OFF Time (MIN)
    - 00150
  - On Time (MSEC)
    - 01000
- Selection Sold Out
  - Sold Out #1
- Upper
  - 1000
- Lower
  - 500
- Ice Bin Optic
  - 1000
- 1 2 3 4
  - On  On  On  On
- Reload Defaults?
  - No  Yes

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**Lancer FS series only**
- Hold down “cancel” and “left button” to get to hidden menu
- Type in code 6655
- Type in 150 minutes of off time and 1010 milliseconds (1 second of time) as the preferred setting

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

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### 3.10 Agitation adjustments – SERVEND

**SerVend models only**
- No agitation adjustment required.
P/N 307277 — Diverter plate (single agitator Cornelius dispensers and left-hand dispense chute on dual-agitator Cornelius dispensers)

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)
3.12 Dispenser diverter plate installation – CORNELIUS ED, DF and DB SERIES

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)

3.13 Agitation adjustments – 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.
BEFORE PROCEEDING
Prior to installing the louvered docking assembly, ensure that the drain fitting is oriented (right or left) correctly for your installation. An optional straight drain fitting is also supplied. You may need to remove the back panel of the docking assembly in order to re-orient or change the drain fitting. Replace back panel prior to mounting the docking assembly.

4.1 Louvered docking assembly

- Mount louvered docking assembly
Install the ice transport tube.

5.1 Ice transport tube installation

- 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.

### External connections

#### 6.1 Air-cooled ice machines only

1. Apply Petrol-gel to barbed drain fitting.
2. Connect cooling water supply and return.
3. Replace access panel.

#### 6.2 Water-cooled ice machines only

1. Connect utilities to louvered docking assembly.
2. External connections

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Minimum 8&quot; radius on silicone drain line. Drain line from the ice machine must have at least 1/4&quot; per foot pitch (6.4mm/0.3m).</td>
</tr>
<tr>
<td>2</td>
<td>Connect cooling water supply and return.</td>
</tr>
<tr>
<td>3</td>
<td>Replace access panel.</td>
</tr>
</tbody>
</table>

### Note:
- Minimum 8" radius on silicone drain line. Drain line from the ice machine must have at least 1/4" per foot pitch (6.4mm/0.3m).
- Rough-in ice machine potable water supply 1.
- 3/8" push-in connection will be made at shut-off valve inside machine
- Remove access panel if necessary 2.
- Connect the silicone tubing to the ice machine 3/4" drain barb.
- Assemble the 3/4" barb x 3/4" FPT to the 3/4" MPT x 1" slip. Connect the other end of the silicone tubing to the 3/4" barb.
- Connect the 1" slip fitting to the 1" stand pipe/drain.
- Rough-in ice machine potable water supply 1.
- 3/8" push-in connection will be made at shut-off valve inside machine
- Remove access panel if necessary 2.
- Connect the silicone tubing to the ice machine 3/4" drain barb.
- Assemble the 3/4" barb x 3/4" FPT to the 3/4" MPT x 1" slip. Connect the other end of the silicone tubing to the 3/4" barb.
- Connect the 1" slip fitting to the 1" stand pipe/drain.

Note: Minimum 8" radius on silicone drain line. Drain line from the ice machine must have at least 1/4" per foot pitch (6.4mm/0.3m).
Connect louvered docking assembly to ice machine.

**Internal connections**

<table>
<thead>
<tr>
<th>Connect louvered docking assembly to ice machine.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAUTION</strong></td>
</tr>
<tr>
<td>• Plug must be accessible after final installation.</td>
</tr>
<tr>
<td>• H_E1410A/W 230/50/1 requires a 20A circuit (4.00 mm² wire)</td>
</tr>
</tbody>
</table>

Air-cooled ice machines – follow steps 7.1 through 7.5.

**7.1 Ice transport tube**

- Slide ice machine into louvered docking assembly ensuring that drain tube is fully seated on barbed drain fitting.
- Insert ice transport tube all the way into coupling and tighten nut firmly.

**7.2 Potable water and drain lines**

- Insert potable water line into valve.

**7.3 Power cord**

- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet
- For H_E units, install a suitable plug

**7.4 Power cord**

- Position plate into opening and secure with supplied screw
Water-cooled ice machines – follow steps 7.6 through 7.12.

**7.5 TDS switch**

- Set the TDS switch on the electrical box:
  - **HIGH:** for extended service life
  - **LOW:** for low-scale water

**7.6 Cooling lines**

- Install ice machine cooling water lines to louvered docking assembly

**7.7 Ice transport tube**

- Slide ice machine into louvered docking assembly ensuring that drain tube is fully seated on barbed drain fitting
- Insert ice transport tube into coupling and tighten nut firmly

**7.8 Potable water and drain lines**

- Insert potable water line into valve
7.9 Cooling lines and power

- Connect cooling water lines to ice machine (Water "Out" connects to water regulator.)
- Water valve is set at the factory. **DO NOT** remove seal or adjust water valve

7.10 Power cord

- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet
- For HCE/HME units, install a suitable plug

7.11 Power cord

- Position plate into opening and secure with supplied screw

7.12 TDS switch

- Set the TDS switch on the electrical box:
  - **HIGH**: for extended service life
  - **LOW**: for low-scale water
Install front cover to ice machine.

8.1 Install 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
- Insert and tighten two screws through cover and into louvered docking assembly ②
- For air-cooled machines only, install plastic grill ③

NOTICE
Ice machine MUST be sanitized prior to operation!
Consult Operation and Service Manual provided with ice machine for sanitizing instructions.
• Pitch ice transport tube to allow melt water to drain towards ice machine ①
• Secure insulated ice transport tube at least every 2 ft (0,6m) to prevent dips or traps ②