Horizon™ Icemaker Installation Instructions for Ice Storage Bin Top-mount Applications

HCC/HMC/HCE/HME1000ABT, HCC/HMC/HCE/HME1400ABT, HCC/HMC/HCE/HME1000WBT, HCC/HMC/HCE/HME1400WBT
(See model number configurator on page 2 for details.)

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## Chewblet® Ice Icemaker Model Number Configurations

<table>
<thead>
<tr>
<th>Icemaker</th>
<th>Voltage</th>
<th>Series</th>
<th>Condenser</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC Maestro Chewblet (400 Series)</td>
<td>C 208-230/60/1 (icemaking head)</td>
<td>400</td>
<td>A</td>
<td>Air-cooled, self-contained</td>
</tr>
<tr>
<td></td>
<td>D 115/60/1 (icemaking head)</td>
<td></td>
<td></td>
<td>Water-cooled, self-contained</td>
</tr>
<tr>
<td></td>
<td>E 230/50/1 (icemaking head)</td>
<td></td>
<td></td>
<td>Air-cooled, remote condensing unit</td>
</tr>
<tr>
<td></td>
<td>F 115/60/1 (icemaking head)</td>
<td></td>
<td></td>
<td>Air-cooled, no condensing unit for connection to parallel rack system</td>
</tr>
<tr>
<td>HC Horizon Chewblet (1000, 1400, 1650 Series)</td>
<td>C 208-230/60/1 (icemaking head)</td>
<td>400 up to 454 lbs (208kg)</td>
<td>A</td>
<td>Vision™</td>
</tr>
<tr>
<td></td>
<td>D 115/60/1 (icemaking head)</td>
<td>up to 1036 lbs (471kg)</td>
<td>W</td>
<td>Harmony™</td>
</tr>
<tr>
<td></td>
<td>E 230/50/1 (icemaking head)</td>
<td>up to 1450 lbs (658kg)</td>
<td>R</td>
<td>Ice storage bin</td>
</tr>
<tr>
<td></td>
<td>F 115/60/1 (icemaking head)</td>
<td>up to 1580 lbs (717kg)</td>
<td>N</td>
<td>Drop-in</td>
</tr>
<tr>
<td>HM Horizon Micro Chewblet</td>
<td>C 208-230/60/1 (icemaking head)</td>
<td>400 up to 454 lbs (208kg)</td>
<td>A</td>
<td>Satellite-fill™</td>
</tr>
<tr>
<td></td>
<td>D 115/60/1 (icemaking head)</td>
<td>up to 1036 lbs (471kg)</td>
<td>W</td>
<td>Top-mount</td>
</tr>
<tr>
<td></td>
<td>E 230/50/1 (icemaking head)</td>
<td>up to 1450 lbs (658kg)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td></td>
<td>F 115/60/1 (icemaking head)</td>
<td>up to 1580 lbs (717kg)</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>
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 icemaker.

1.1 Unpack icemaker

1. Unpack icemaker

2. 1/2"

3. 1/2"

4. 1/2"

5. 1/2"

6. +
### Installation Site Requirements

#### Electrical
- **H_C1000A/W** 208-230/60/1-15 amps
- **H_E1000A/W** 230/50/1-15 amps
  (H_E1000A/W Requires 15 amp circuit 1.50 mm² wire)
- **H_C1400A/W** 208-230/60/1-20 amps
- **H_E1400A/W** 230/50/1-20 amps
  (H_E1400A/W Requires 20 amp circuit 4.00 mm² wire)

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Phase</th>
<th>Amps</th>
<th>Circuit Requirement</th>
<th>Wire Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>H_C1000A/W</td>
<td>208-230</td>
<td>1</td>
<td>15</td>
<td>15 amp circuit</td>
<td>1.50 mm²</td>
</tr>
<tr>
<td>H_C1400A/W</td>
<td>208-230</td>
<td>1</td>
<td>20</td>
<td>20 amp circuit</td>
<td>4.00 mm²</td>
</tr>
<tr>
<td>H_E1000A/W</td>
<td>230</td>
<td>1</td>
<td>15</td>
<td>15 amp circuit</td>
<td>1.50 mm²</td>
</tr>
<tr>
<td>H_E1400A/W</td>
<td>230</td>
<td>1</td>
<td>20</td>
<td>20 amp circuit</td>
<td>4.00 mm²</td>
</tr>
</tbody>
</table>

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

#### Potable Water Supply
- 10-70 psi (69-483 kPa)
- 45 °F to 90 °F (7 °C to 32 °C)
- Follett recommends the use of an in-line water filtration system (item# 00130286)

#### Condenser Water Supply for Water-Cooled Systems
- 10 psi min.; 150 psi max. (69 kPa min.; 1034 kPa max.)
- 45 °F to 90 °F (7 °C to 32 °C)
- 1.5 gallons per minute (5.68 liters per minute)

#### Drain
- The drain line from the icemaker must have at least 1/4” per foot pitch (6,4 mm/0,3 m)
Prepare the bin.

3.1 Bin top preparation
- Remove protective tape from gaskets

3.2 Bin top preparation
- Apply gaskets 1
- Install shuttle actuator 2 through dispenser top and secure with locking nut 3
Install the louvered docking assembly.

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4.1 Louvered docking assembly

- Mount louvered docking assembly

**WARNING**

- Docking station must be secured in accordance with these instructions to ensure icemaker stability.
- Ventilation openings in the louvered docking station should be clear of obstruction
Install the ice transport tube.

5.1 Ice transport tube

- 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 1 before making connection to ease assembly
- Connect ice transport tube to coupling on louvered docking station 2
- Connect ice transport tube to shuttle actuator 3
Connect utilities to louvered docking assembly.

External connections

6

6.1 Air-cooled icemakers only

- Remove access panel if necessary
- Install drain line \( \text{①} \)
The rigid drain line from the icemaker must have at least 1/4" per foot pitch (6.4mm/0.3m)
- Install icemaker potable water supply \( \text{②} \)
- Replace access panel

6.2 Water-cooled icemakers only

- Remove access panel if necessary
- Install drain line \( \text{①} \)
The rigid drain line from the icemaker must have at least 1/4" per foot pitch.
- Connect cooling water supply \( \text{②} \) and return \( \text{③} \)
- Install ice machine potable water supply \( \text{④} \)
- Replace access panel
Connect icemaker to louvered docking assembly.

**CAUTION**
- Plug must be accessible after final installation.
- H_E1400A/W 230/50/1 requires a 20 amp circuit (4.00 mm² wire)

Internal connections 7

Air-cooled icemakers – follow steps 7.1 through 7.4.

**7.1 Ice transport tube**
- Slide icemaker into louvered docking assembly 1
- Insert ice transport tube all the way into coupling and tighten nut firmly 2

**7.2 Potable water and drain lines**
- Insert potable water line into valve 1
- Push drain line over hose barb on back of evaporator mount 2

**7.3 Power cord**
- Remove twist tie
- Carefully pass plug thru opening and plug into wall outlet

**7.4 Power cord**
- Position plate into opening and secure with supplied screw.
Water-cooled icemakers – follow steps 7.5 through 7.10.

7.5 Cooling lines

- Install icemaker cooling water lines to louvered docking assembly

7.6 Ice transport tube

- Slide icemaker into louvered docking assembly
- Insert ice transport tube into coupling and tighten nut firmly

7.7 Potable water and drain lines

- Insert potable water line into valve
- Push drain line over hose barb on back of evaporator mount

7.8 Cooling lines and power

- Connect cooling water lines to icemaker
- Water valve is set at the factory. DO NOT remove seal or adjust water valve
7.9 Power cord

- Remove twist tie
- Carefully pass plug thru opening and plug into wall outlet

7.10 Power cord

- Position plate into opening and secure with supplied screw
8.1 Install front cover

- Slide icemaker cover over machine ensuring that tabs on back of cover slip under louvers on back of louvered docking assembly ➊
- Insert and tighten two screws through cover and into louvered docking assembly ➋

NOTICE
Icemaker MUST be sanitized prior to operation!
Consult Operation and Service Manual provided with icemaker for sanitizing instructions.