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

HCD/HMD/HCF/HMF1000RBT, HCD/HMD/HCF/HMF1400RBT, HCD/HMD/HCF/HMF1650RBT, HCD1000NBT, HMD1000NBT, HCD1400NBT, HMD1400NBT, HCD1650NBT, HMD1650NBT

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

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

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## Chewblet® Ice Machine Model Number Configurations

<table>
<thead>
<tr>
<th>Icemaker</th>
<th>Voltage</th>
<th>Condenser</th>
<th>Application</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC Maestro™ Chewblet®</td>
<td>208-230/60/1 (icemaking head)</td>
<td>Air-cooled, self-contained</td>
<td>Vision™</td>
<td>S RIDE™ (RIDE remote ice delivery equipment)</td>
</tr>
<tr>
<td>HC Horizon</td>
<td>115/60/1 (icemaking head)</td>
<td>Water-cooled, self-contained</td>
<td>Harmony™</td>
<td></td>
</tr>
<tr>
<td>Chewblet (1000, 1400, 1650 Series)</td>
<td>230/50/1 (icemaking head)</td>
<td>Air-cooled, remote condensing unit</td>
<td>Drop-in</td>
<td></td>
</tr>
<tr>
<td>HM Horizon</td>
<td>115/60/1 (icemaking head)</td>
<td>Air-cooled, no condensing unit for connection to parallel rack system</td>
<td>Ice Manager diverter valve system</td>
<td></td>
</tr>
<tr>
<td>Micro Chewblet</td>
<td>208-230/60/3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>400 up to 454 lbs</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1000 up to 1036 lbs</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1400 up to 1450 lbs</td>
<td>R</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1650 up to 1580 lbs</td>
<td>N</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **C** 208-230/60/1 (icemaking head) Self-contained only.
- **D** 115/60/1 (icemaking head) Self-contained and remote. If remote unit, high side is 208-230/60/1.
- **E** 230/50/1 (icemaking head) Self-contained only.
- **F** 115/60/1 (icemaking head) Remote only. High side is 208-230/60/3.
- **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
- **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
Unpack

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

1.1 Unpack ice machine

1. Unpack ice machine

2. Remove packaging materials

3. Check for any damage

4. Inspect electrical connections

5. Install air filters

6. Position ice machine on its base

remote condensing

BIN • TOP-MOUNT
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 ①
120/60/1-6 amps

Potable water supply ②
- 10-70 psi (69-483kpa)
- 45-90 F (7-32 C)
- Follett recommends the use of an in-line water filtration system (item# 00130286)

Drain ③
- The drain line from the ice machine must have at least 1/4" per foot pitch (6,4mm/.3m)

Refrigeration lines ④
- 1000, 1400: 5/8" (15,8mm) diameter suction (insulated)
- 1650: 7/8" (22,2mm) diameter suction (insulated)
- 3/8" (9,5mm) liquid ⑤
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 bin top and secure with locking nut 3
Install the louvered docking assembly.

4.1 Louvered docking assembly

- Mount louvered docking assembly 1
- “Rough-in” the refrigerant piping 2
4.2 Refrigerant lines

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

5.1

- Slide insulation onto ice transport tube
- Heat end of transport tube in cup of 160°F (71°C) hot water to soften and spread with pliers ❶ before making connection to ease assembly
- Connect ice transport tube to coupling on louvered docking station ❷
- Connect ice transport tube to shuttle actuator ❸
Connect utilities to louvered docking assembly.

External connections

6

6.1 Water and drain

- Remove access panel if necessary.
- Install drain line 1.
  The rigid drain line from the ice machine must have at least 1/4" per foot pitch (6.4mm/0.3m).
- Install ice machine potable water supply 2.
- Replace access panel.
Connect louvered docking assembly to ice machine.

### Internal connections

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

#### 7.2 Water and drain lines
- Insert potable water line into valve
- Push drain line over hose barb on back of evaporator mount

#### 7.3 Refrigeration lines
- Rotate and braze refrigerant lines

#### 7.4 Power cord
- Remove twist tie
- Carefully pass plug thru opening and plug into wall outlet
7.5 Power cord

- 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
- Insert and tighten two screws through cover and into louvered docking assembly ②

NOTICE

Ice machine MUST be sanitized prior to operation!
Consult Operation and Service Manual provided with ice machine for sanitizing instructions.