Horizon™ Ice Machine Models with RIDE® Technology
Installation Instructions for Drop-Ins

HCD/HMD700RJS
HCD/HMD700NJS
(See model number configurator on page 2 for details.)

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### Chewblet® Ice Machine Model Number Configurations

<table>
<thead>
<tr>
<th>Machine</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>C 208-230/60/1 (icemaking head)</td>
<td>400</td>
<td>A Air-cooled, self-contained</td>
<td>Vision™</td>
<td>S RIDE®</td>
</tr>
<tr>
<td></td>
<td>D 115/60/1 (icemaking head)</td>
<td>700</td>
<td>W Water-cooled, self-contained</td>
<td>Harmony™</td>
<td>(RIDE remote ice</td>
</tr>
<tr>
<td></td>
<td>E 230/50/1 (icemaking head)</td>
<td>1000</td>
<td>R Air-cooled, remote condensing unit</td>
<td>Ice storage bin</td>
<td>delivery equipment)</td>
</tr>
<tr>
<td></td>
<td>F 115/60/1 (icemaking head)</td>
<td>1400</td>
<td>N Air-cooled, no condensing unit for connection to parallel rack system</td>
<td>J Drop-in</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1650</td>
<td></td>
<td>M Ice Manager™ diverter valve system</td>
<td></td>
</tr>
<tr>
<td>HC Horizon</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>(1000, 1400, 1650 Series)</td>
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<tr>
<td>HM Horizon</td>
<td></td>
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<tr>
<td>Micro Chewblet</td>
<td></td>
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</tbody>
</table>

- **A**: Air-cooled, self-contained
- **B**: Ice storage bin
- **C**: Air-cooled, remote condensing unit
- **D**: Water-cooled, self-contained
- **E**: Air-cooled, remote condensing unit
- **F**: Air-cooled, no condensing unit for connection to parallel rack system
- **G**: Remote only
- **H**: Remote only
- **I**: Remote only
- **J**: Remote only
- **K**: Remote only
- **L**: Remote only
- **M**: Remote only
- **N**: Remote only
- **O**: Remote only
- **P**: Remote only
- **Q**: Remote only
- **R**: Remote only
- **S**: Remote only
- **T**: Remote only
- **U**: Remote only
- **V**: Remote only
- **W**: Remote only
- **X**: Remote only
- **Y**: Remote only
- **Z**: Remote only
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.

1.1 Unpack ice machine

1. Unpack ice machine
2. Remove top cover
3. Unpack ice maker
4. Remove top cover
5. Remove securing bolts
6. Place ice machine on base

remote condensing   DROP-IN • RIDE Technology
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
- 120/60/1-6 amps

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

Drain
- 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
- 5/8" (15,8mm) diameter suction (insulated)
- 3/8" (9,5mm) liquid
Prepare the dispenser.

3

Dispenser preparation

3.1 Dispenser preparation

- Determine best route for ice transport tube run. **Note:** 12" (304.8mm) clearance is required.
- Drill 1 3/4" (44.5mm) hole through either side of dispenser 1
- Install gasket 2 onto bulkhead fitting 3
- Attach bulkhead fitting with flat up 4 and tighten bulkhead nut 5
- Position and secure nut locking plate 6 with supplied screws
- Verify installation of O-ring on stainless steel ice transport tube coupling 7
- Insert stainless steel ice transport tube coupling 7 into bulkhead fitting and secure with coupling cap 8
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers 9 before making connection to ease assembly
- Attach ice transport tube to coupling with supplied hose clamp 10
Install the louvered docking assembly.

Louvered docking assembly

Wall bracket accessory

- Mount louvered docking assembly to wall bracket accessory

Machine stand accessory

- Mount louvered docking assembly to machine stand accessory

4.1 Louvered docking assembly

- Mount louvered docking assembly ①
- “Rough-in” the refrigerant piping ②
DOCKING STATION

- Position and screw louvered docking assembly to the bottom of counter inside of access panel/door min. of 3.25” (82.55mm) from the front edge of the cross brace ➊
- The mounting surface for the louvered docking assembly must be solid. Do not mount directly onto runners or channels.
- There must be no lip or edge that would hinder the ice machine from sliding in or out of the louvered docking station ➋
- Icemaker must be installed facing forward as shown for service accessibility ➌
Install the ice transport tube.

5.1 Ice transport tube installation.

Ice transport tube tips
- Insulate entire length of ice transport tube ①
- Secure ice transport tube ② as needed to prevent dips and traps from forming. For long tube runs see guide on page 16.
- Pitch tube at least 1/4" per foot (6.4mm/.3m) ③
- Ice transport tube must drain towards ice machine

Ice transport tube to Ice machine
- Be sure tube ends are square ④
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ⑤ before making connection to ease assembly
- Push ice transport tube onto ice machine nipple ⑥
- Install hose clamp ⑦
Connect utilities to louvered docking assembly.

**External connections**

**6**

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**6.1 Water and drain**

- 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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**6.2 Refrigerant**

- Braze supplied expandable refrigerant lines in place 1
Connect louvered docking assembly to ice machine.

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

### 7.2 Water and drain lines
- Insert potable water line into valve ①

### 7.3 Refrigeration lines
- 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, 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.
Long tube run recommendations

- Pitch ice transport tube to allow melt water to drain towards ice machine ①
- Secure insulated ice transport tube at least every 2 ft (.6m) to prevent dips or traps ②
- Maximum length of transport tube is 75' (22.5 m).
- Maximum rise is 20' (7.5 m).
- Maximum length of transport tube for Micro Chewblet applications is 10' (3 m).