



Horizon Elite™

Marine 1000, 1400 series Chewblet® ice machine

Features

Horizon Elite Chewblet ice machine with up to 1116 lb (507 kg) daily production of customer preferred Chewblet ice

- 1012 series - up to 783 lb (355 kg) in 24 hours
- 1412 series - up to 1116 lb (507 kg) in 24 hours

Low life cycle cost

- uses up to 35% less water than cube ice machines
- requires no preventive maintenance other than periodic cleaning and sanitizing
- robust operation in all commercial water conditions

RIDE® technology

- automatically fill bin/dispenser up to 75 ft (22.9 m) away from the bin/dispenser with RIDE remote ice delivery equipment
- improved sanitation, aesthetics, serviceability

Consumer-preferred Chewblet ice

- more reliable dispensing than nugget or pellet ice
- slow melting, maintains drink temperature and quality
- drink performance comparable to cubes
- higher displacement than cube ice

Innovative engineering; unsurpassed reliability

- horizontally positioned evaporator provides maximum heat transfer for high capacity with compact dimensions
- unique auger profile design maximizes ice capacity and reduces loads on gearmotor, bearings and seals
- automatic self-flushing drains away mineral laden water, reduces scale build-up
- easy to read display provides at-a-glance operational status
- semi-automatic cleaning and sanitizing system lowers maintenance cost
- quiet operation, no noisy batch harvest cycles

Superior sanitation

- floatless, sealed design inhibits formation of biofilms
- designed to address United States Public Health Service (USPHS) principles

Remote monitoring with Open Kitchen™

- provided in partnership with Powerhouse Dynamics (separate subscription required)
- real-time alerts and notifications
- remote diagnostics to maximize equipment uptime
- connects with equipment across other Middleby brands

Features continued

Warranty

- 2 years parts only on marine 1012/1412 series

Certifications



Short form specification:

Ice machine to be a Follett® Horizon Elite ice machine model _____ [Insert size/series, condenser type and installation/mounting, from model number guide] capable of producing compressed nugget ice using an efficient, sanitary horizontal evaporator/auger system and delivering ice by a flexible wire reinforced transport tube to ice and water dispenser or ice and beverage dispenser, slide-out compressor/condenser/evaporator with utility docking station, front-mounted unit status display, evaporator water inlet at harvest end with automatic flush while producing ice, and semi-automatic cleaning and sanitizing system, plus all the features listed below and mounting/performance-enhancing accessories checked.

| Model configurations | | | |
|-----------------------------------------------------------------|-----------|-------------------|-------------------|
| Use/application | Condenser | 1012 series | 1412 series |
| Ice and beverage dispensers (IBD) manufactured by others | water | HCC1012WHM | HCC1412WHM |
| Vision™ ice and water dispensers manufactured by Follett | water | HCC1012WVM | HCC1412WVM |

Accessories

- Water filter kit (item# 00978957)
- Wall mount bracket (item# 01085455)
- Ice machine stand, height adjustable (item# 01085463)
- Timer to control one or two ice machines (item# 00967265)
- Longer ice transport tube (refer to the price list, form# 4025)
NOTE: 10' (3 m) provided as standard for RIDE model.
- SafeCLEAN Plus™ ice machine cleaner
 - 1 x 8 oz (237 ml) bottle (item# 01147826)
 - 6 x 8 oz (237 ml) bottles (item# 01149954)
 - 24 x 8 oz (237 ml) bottles (item# 01149962)
- SaniSponge™, pack of 24 (item# 01075431)
- Three year remote monitoring subscription and hardware for Open Kitchen (item# MDD-1003)
NOTE: For serial number Q34181 and above.
- For additional accessories, refer to form# 4025

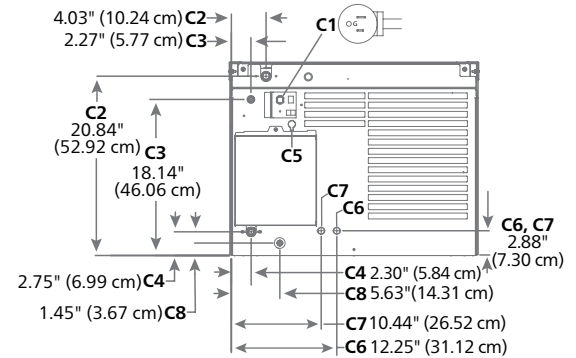
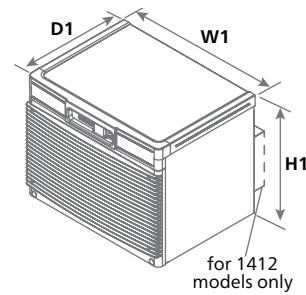
Ice production – Horizon Elite 1012 series,
water-cooled (lb/kg production in 24 hr)

| Potable water temperature F (C) | Ambient air temperature F (C) | | | | |
|---------------------------------|-------------------------------|-----------|-----------|-----------|-----------|
| | 50 (16) | 60 (21) | 70 (27) | 80 (32) | 90 (38) |
| 50 F (10 C) | 904 (410) | 844 (383) | 783 (355) | 741 (336) | 698 (317) |
| 60 F (16 C) | 887 (403) | 827 (375) | 767 (348) | 727 (330) | 688 (312) |
| 70 F (21 C) | 870 (395) | 810 (368) | 750 (341) | 714 (324) | 678 (308) |
| 80 F (27 C) | 816 (370) | 762 (346) | 708 (321) | 674 (306) | 640 (291) |
| 90 F (32 C) | 761 (345) | 714 (324) | 666 (302) | 634 (288) | 602 (273) |

Ice production – Horizon Elite 1412 series,
water-cooled (lb/kg production in 24 hr)

| Potable water temperature F (C) | Condenser water temperature F (C) | | | | |
|---------------------------------|-----------------------------------|------------|------------|------------|-----------|
| | 50 (16) | 60 (21) | 70 (27) | 80 (32) | 90 (38) |
| 50 F (10 C) | 1286 (584) | 1201 (545) | 1116 (507) | 1054 (479) | 992 (450) |
| 60 F (16 C) | 1243 (564) | 1165 (529) | 1087 (493) | 1032 (469) | 977 (444) |
| 70 F (21 C) | 1200 (545) | 1130 (513) | 1059 (481) | 1010 (459) | 962 (437) |
| 80 F (27 C) | 1168 (530) | 1089 (494) | 1010 (459) | 958 (435) | 905 (411) |
| 90 F (32 C) | 1135 (515) | 1048 (476) | 961 (436) | 905 (411) | 849 (385) |

Dimensional drawing



Specification

| | Horizon Elite 1012 series | Horizon Elite 1412 series |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| W1 Width | 29.15" (74.0 cm) | 29.15" (74.0 cm) |
| D1 Depth | 23.25" (59.1 cm) | 25.15" (63.9 cm) |
| H1 Height | 22.15" (56.3 cm) | 22.15" (56.3 cm) |
| Clearance | top, left and right – 1.00" (2.54 cm), rear 2.00" (5.08 cm) | top, left and right – 1.00" (2.54 cm) |
| Electrical 220V/60/1 | C1 11 amps, requires dedicated 15 amp circuit, 6' (1.8 m) cord, NEMA 6-15 plug | C1 14 amps, requires dedicated 20 amp circuit, 6' (1.8 m) cord, NEMA 6-20 plug |
| C2 Ice transport tube | | |
| C3 Potable water inlet | 3/8" OD push-in water inlet – internal connection | 3/8" OD push-in water inlet – internal connection |
| C4 Drain | 3/4" MPT | 3/4" MPT |
| C5 Ice bin signal cord | for Vision applications only | for Vision applications only |
| Water-cooled condenser connections | C6 – 1/4" FPT condenser inlet, C7 – 1/4" FPT condenser outlet | C6 – 1/4" FPT condenser inlet, C7 – 1/4" FPT condenser outlet |
| C8 Auxiliary drain (required) | 3/8" OD push-in | 3/8" OD push-in |
| Air temperature | 50 -100 F (10 - 38 C) | 50 -100 F (10 - 38 C) |
| Water temperature | 45 - 90 F (7 - 32 C) | 45 - 90 F (7 - 32 C) |
| Potable water pressure | 10 - 70 psi (69 - 483 kPa) | 10 - 70 psi (69 - 483 kPa) |
| Condenser water pressure | 30 - 150 psi (207-1034 kPa) | 30 - 150 psi (207-1034 kPa) |
| Energy consumption 90 F (32 C) condenser water 70 F (21 C) potable water | 4.20 kWh per 100 lb (45.4 kg) ice | 3.80 kWh per 100 lb (45.4 kg) ice |
| Water consumption | 12.0 gal (45 L) of potable water per 100 lb (45.4 kg) of ice (per AHRI test standards) 12.4 gal (46.9 L) at low TDS setting | 12.0 gal (45 L) of potable water per 100 lb (45.4 kg) of ice (per AHRI test standards) 12.3 gal (46.6 L) at low TDS setting |
| Water flow requirement for water-cooled models | 1 gallon per minute | 1 gallon per minute |
| Refrigerant | R449a | R449a |
| Approximate ship weight | 275 lb (125 kg) | 275 lb (125 kg) |
| Approximate net weight | 237 lb (108 kg) | 237 lb (108 kg) |

NOTE: For indoor use only

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