

Horizon Elite"'
self-contained 1010,1410 series Chewblet ${ }^{\circledR}$ ice machine

## 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 $\square$ ice storage bin, $\square$ ice and water dispenser, $\square$ ice and beverage dispenser, $\square$ drop-in dispenser or $\square$ Ice Manager ${ }^{\text {T" }}$ diverter valve system, 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 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| For use with ${ }^{1}$ | Install/ mount | Condenser | V/Hz/Ph | Item number ${ }^{2}$ 1010 series | Item number ${ }^{2}$ 1410 series |
| ice storage bin | top mount | air | 208-230/60/1 | HCC1010ABT | HCC1410ABT |
|  |  | water | 208-230/60/1 | HCC1010WBT | HCC1410WBT |
|  | RIDE | air | 208-230/60/1 | HCC1010ABS | HCC1410ABS |
|  |  | water | 208-230/60/1 | HCC1010WBS | HCC1410WBS |
| Follett Vision" ${ }^{\text {"I }}$ undercounter ice and beverage dispenser | RIDE | air | 208-230/60/1 | HCC1010AVS | HCC1410AVS |
|  |  | water | 208-230/60/1 | HCC1010WVS | HCC1410WVS |
| countertop ice and beverage dispenser (by others) | top mount ${ }^{3}$ | air | 208-230/60/1 | HCC1010AHT | HCC1410AHT |
|  |  | water | 208-230/60/1 | HCC1010WHT | HCC1410WHT |
|  | RIDE | air | 208-230/60/1 | HCC1010AHS | HCC1410AHS |
|  |  | water | 208-230/60/1 | HCC1010WHS | HCC1410WHS |
| drop-in dispenser (by others) | RIDE | air | 208-230/60/1 | HCC1010AJS | HCC1410AJS |
|  |  | water | 208-230/60/1 | HCC1010WJS | HCC1410WJS |
| Ice Manager diverter valve system | RIDE | air | 208-230/60/1 | HCC1010AMS | HCC1410AMS |
|  |  | water | 208-230/60/1 | HCC1010WMS | HCC1410WMS |

## ${ }^{1}$ Ordered separately

${ }^{2}$ For Micro Chewblet ice, replace second character (C) with an M e.g. HMC1010ABT
Not for use with Ice Manager.
${ }^{3}$ Requires top kit (see page 4 for item number).

[^0]
## Accessories

$\square$ Top kit for ice and beverage dispensers (listed on page 4)Water filters (refer to form\# 9905)
$\square$ 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.
$\square$ Sleep cycle kit for improved energy efficiency and component life. For countertop dispenser applications for models ending in HS and HT (item\# 01338276).SafeCLEAN Plus ${ }^{\text {TM }}$ ice machine cleaner

- $1 \times 8$ oz ( 237 ml ) bottle (item\# 01147826 )
$\square 6 \times 8$ oz ( 237 ml ) bottles (item\# 01149954 )
$\square 24 \times 8$ oz ( 237 ml ) bottles (item\# 01149962 )
$\square$ SaniSponge ${ }^{\text {TM }}, 24$ sanitary sponges (item\# 01075431)
$\square$ Three year remote monitoring subscription for Open Kitchen NOTE: For serial number Q34181 and above.
$\square$ For first piece of equipment at location (item\# MDD-1003)
$\square$ For subsequent pieces of equipment at location (item\# MDD-1004)
$\square$ For additional accessories, refer to form\# 4025


## Dimensional drawing



## Specification

|  | Horizon Elite 1010 series | Horizon Elite 1410 series |
| :---: | :---: | :---: |
| W1 Width | $29.15{ }^{\prime \prime}(74.0 \mathrm{~cm})$ | $29.15{ }^{\prime \prime}(74.0 \mathrm{~cm})$ |
| D1 Depth | 23.25 " ( 59.1 cm ) | 25.15 " ( 63.9 cm ) |
| H1 Height | 22.50 " (57.2 cm) | 22.50 " ( 57.2 cm ) |
| Clearance | top, left and right - 1.00 " ( 2.54 cm ) | top, left and right - 1.00" ( 2.54 cm ) |
| $\begin{aligned} & \text { Electrical } \\ & 208-230 \mathrm{~V} / 60 / 1 \end{aligned}$ | 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 |
| Operating power | 2.4 kW | 3.1 kW |
| C2 Ice transport tube | see page 8 for details | see page 8 for details |
| C3 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, 1" drain required. See page 7 for details. | 3/4" MPT, 1" drain required. See page 7 for details. |
| C5 Ice bin signal cord | for Vision applications only | for Vision applications only |
| Water-cooled ice machine 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 (10-38C) | 50-100 F (10-38C) |
| Water temperature | 45-90 F (7-32 C) | 45-90 F (7-32 C) |
| Potable water pressure | 10-70 psi ( $69-483 \mathrm{kPa}$ ) | 10-70 psi (69-483 kPa) |
| Condenser water pressure | 30-150 psi (207-1034 kPa) | 30-150 psi (207-1034 kPa) |
| Ice production | see page 8 | see page 8 |
| Energy consumption 90 F (32 C) air, 70 F (21 C) water | air-cooled models - 4.80 kWh water-cooled models -4.20 kWh per $100 \mathrm{lb}(45.4 \mathrm{~kg})$ ice | air-cooled models - 4.84 kWh water-cooled models - 3.80 kWh per $100 \mathrm{lb}(45.4 \mathrm{~kg})$ ice |
| Heat rejection | air-cooled models - $11,300 \mathrm{BTU} / \mathrm{hr}(2,849 \mathrm{Kcal} / \mathrm{hr})$ water-cooled models - $12,800 \mathrm{BTU} / \mathrm{hr}(3,228 \mathrm{Kcal} / \mathrm{hr}$ ) | air-cooled models - 16,000 BTU/hr ( $4,035 \mathrm{Kcal} / \mathrm{hr}$ ) water-cooled models - $16,400 \mathrm{BTU} / \mathrm{hr}(4,135 \mathrm{Kcal} / \mathrm{hr}$ ) |
| Water consumption | $12.0 \mathrm{gal}(45 \mathrm{~L})$ of potable water per $100 \mathrm{lb}(45.4 \mathrm{~kg})$ of ice (per AHRI test standards). $12.4 \mathrm{gal}(46.9 \mathrm{~L}$ ) at low TDS flush setting. | $12.0 \mathrm{gal}(45 \mathrm{~L})$ of potable water per $100 \mathrm{lb}(45.4 \mathrm{~kg})$ of ice (per AHRI test standards). 12.3 gal ( 46.5 L ) at low TDS flush setting. |
| Water flow requirement for water-cooled models | 1 gallon per minute | 1 gallon per minute |
| Refrigerant | R404a | R404a |
| Approximate ship weight | $275 \mathrm{lb}(125 \mathrm{~kg})$ | $285 \mathrm{lb}(129 \mathrm{~kg}$ ) |
| Approximate net weight | $237 \mathrm{lb}(108 \mathrm{~kg})$ | $247 \mathrm{lb}(112 \mathrm{~kg})$ |

NOTE: For indoor use only

## 1 - Locating the ice machine

Horizon Elite self-contained Chewblet ice machines allow top-mounting or mounting in a base cabinet, on a wall or on a floor stand up to 75 ' ( 22.9 m ) from the dispenser or ice bin with RIDE technology. In-cabinet mounting (RIDE applications) require special attention to service access, unit ventilation and ice tube runs (see pages 4-8).

| Top mounting - ice and beverage <br> dispensers (by others) | RIDE model - Follett low-profile Vision <br> ice and beverage dispensers | Top mount on Follett ice storage bins |
| :--- | :--- | :--- |


| RIDE model - ice and beverage dispensers (by others) | RIDE model - drop-in beverage dispensers (by others) | RIDE model - Follett ice storage bins |
| :---: | :---: | :---: |
|  |  |  |
| Important specifier notes | Important specifier notes | Important specifier notes |
| 1. Dispenser must be compatible with nugget ice. Compatible dispensers include Coca-Cola Freestyle 9000, Cornelius DB/ID/DF150/175, Lancer $4500-22 \mathrm{~N}$, FS-16N, FS-22N and FS-44N, Servend MD150/175/200/250, SV175/200/250, MDH-402 and Follett Symphony Plus ${ }^{\text {TM }} 110 \mathrm{CM}$, as well as dispensers listed on page 4. | 1. Compatible with the following dispensers: Cornelius 1522, 1722, 2323, and Lancer 2200, 2300, 23300. <br> 2. Require 12.00 " ( 30.5 cm ) of access space for installation on transport tube side. <br> 3. See page 4-6 for critical clearance requirements. | 1. See form\# 8590 for bin sizing. <br> 2. Locate floor sink or grate and drains in front of storage bin. <br> 3. Do not position bin drain lines to block Ice•Devlce bin cart. |
| 2. Coca-Cola Freestyle 7100 requires top adapter IC Code 46751 and ice kit IC Code 46430 only, and must be ordered from Coca-Cola. CocaCola Freestyle 9100 requires top kit HSF26SC. Consult with Coca-Cola and Follett to qualify application prior to ordering. |  |  |
| 3. RIDE application is approved only for Pepsi Spire 3.0, 5.0 and 4.1 designed for top mount ice machines and requires MSP24SC for 3.0 and MSP30SC for 5.0 and 4.1, ordered separately. For manual fill versions of Pepsi Spire 3.0, 5.0 and 4.1, contact factory. |  |  |
| 4. See page $4-6$ for critical clearance and venting requirements. |  |  |

## 1 - Locating the ice machine (continued)

Top mounting - compatible ice and beverage dispensers ${ }^{1}$

| Manufacturer | Model number | Width <br> in $(\mathrm{cm})$ | Depth ${ }^{2}$ <br> in $(\mathrm{cm})$ | Height ${ }^{3}$ <br> in ( cm$)$ | Top kit |
| :--- | :--- | :--- | :--- | :--- | :--- |

${ }^{1}$ All approved dispensers can be filled with a RIDE model Horizon Elite ice machine without a top kit except for Pepsi Spire 3.0, 5.0 and 4.1, see page 3 for details.
${ }^{2}$ Requires minimum 1.00 " $(2.54 \mathrm{~cm})$ clearance between back of dispenser and wall.
Net height after installation of top kit (excluding height of ice machine).
${ }^{4}$ Consult with Coca-Cola and Follett to qualify application prior to ordering.
${ }^{5}$ Top adapter IC Code 46753 and ice kit IC Code 46430 must also be ordered from Coca-Cola.
${ }^{6}$ Specify "F" for front facing, or "B" for backward facing units.
${ }^{7}$ Top designed with flexibility to accommodate front or back mounting.

## 2 - Undercounter/in-cabinet mounting

## Cabinet details

## Important specifier notes

1. Cabinet door opening must meet minimum size requirements shown and be free of obstructions to allow ice machine to slide out (no lip or utilities to block removal).
2. Cabinet base must be capable of supporting ice machine and allow ice machine to rest flat on cabinet bottom.
3. No counter supports, electric or plumbing can run in front of the ice machine.

## Cabinet door opening

1010/1410 series models require 1.00 " ( 2.54 cm ) all around, 31.00 "W $\times 23.5^{\prime \prime} \mathrm{H}(78.7 \mathrm{~cm} \times 59.69 \mathrm{~cm})$ minimum


## 3 - Undercounter/in-cabinet mounting and ventilation

## Using Follett supplied grilles

Horizon Elite ice machines can be installed undercounter/in-cabinet to fill bins or dispensers using RIDE technology. Care must be taken to ensure proper cabinet venting to avoid recirculation of hot air. Improper venting can cause ice machine outages.


## Completed installation with gasket and door in place Side view



Important specifier notes for using Follett supplied grilles

1. The supplied exhaust grille must be located at least $18.00^{\prime \prime}$ ( 45.7 cm ) from the supplied air intake grille (exhaust air must not recirculate with intake air).
2. Cabinet interior must be open to allow for unrestricted exhaust air flow.
3. Ice transport tube needs minimum $1 / 4^{\prime \prime}$ per foot ( 2 cm per meter) pitch toward ice machine and should be secured to prevent dips and traps from forming.
4. Cabinet door must mate directly to air intake gasket.
5. Cabinet interior must provide a minimum clear space of 23.50" ( 59.7 cm ) high by $25.25^{\prime \prime}(64.1 \mathrm{~cm}$ ) deep.
6. Cutout for supplied grilles must meet minimum size requirements shown above.
7. Utilities should be conveniently located as shown.

## 3 - Undercounter/in-cabinet mounting and ventilation (continued)

## Using grilles by others/alternate cabinet ventilation

Cabinets with ventilation or louvers other than those provided require special consideration to provide proper ventilation.
Recirculation of hot air will reduce ice machine performance and can cause ice machine outages.


## Important specifier notes for using grilles supplied by others/alternate cabinet ventilation

1. Exhaust must be at least $18.00^{\prime \prime}(45.7 \mathrm{~cm})$ from air intake (exhaust air must not recirculate with intake air).
2. Cabinet interior must be open to allow for unrestricted exhaust air flow.
3. Ice transport tube needs minimum $1 / 4^{\prime \prime}$ per foot ( 2 cm per meter) pitch toward ice machine and should be secured to prevent dips and traps from forming.
4. Ducting must be provided if cabinet door does not mate directly to air intake gasket.
5. Cabinet interior must provide a minimum clear space of 23.50" ( 59.7 cm ) high by $25.25^{\prime \prime}(64.1 \mathrm{~cm}$ ) deep.
6. Grilles by others must meet minimum requirements for open air space shown above.
7. Utilities should be conveniently located as shown.

## 4 - Horizon Elite ice machine mounting accessories

Optional wall mount bracket $\quad$| Important specifier notes |
| :--- |

## 5 - Horizon Elite drains - specifier guidelines

(3) | Important specifier notes: Where code |
| :--- |
| allows, follow recommendation below. |

## 6 －Horizon Elite ice tube runs－specifier guidelines



Ice production－Horizon Elite 1010 series， air－cooled models

| Inlet water temperature F（C） | Ambient air temperature F（C） |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 60 （16） | 70 （21） | 80 （27） | 90 （32） | 100 （38） | ¿ |
| 50 （10） | 1160 （526） | 1061 （481） | 962 （436） | 825 （374） | 688 （312） | $\stackrel{ \pm}{\text { N }}$ |
| 60 （16） | 1093 （496） | 1001 （454） | 909 （412） | 795 （361） | 681 （309） | 등 |
| 70 （21） | 1026 （465） | 941 （427） | 857 （389） | 765 （347） | 674 （306） | ？ |
| 80 （27） | 971 （440） | 893 （405） | 815 （370） | 730 （331） | 644 （292） | 응 |
| 90 （32） | 917 （416） | 941 （427） | 773 （350） | 694 （315） | 614 （279） | 으 |

Ice production－Horizon Elite 1010 series， water－cooled models

| Potable <br> water temperature $F(C)$ | Condenser water temperature F（C） |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 60 （16） | 70 （21） | 80 （27） | 90 （32） | 100 （38） | 亡 |
| 50 （10） | 1096 （498） | 1043 （473） | 1001 （454） | 947 （430） | 892 （405） | $\stackrel{~}{\sim}$ |
| 60 （16） | 1006 （457） | 970 （440） | 938 （426） | 888 （403） | 839 （381） | 은 |
| 70 （21） | 917 （416） | 898 （408） | 874 （396） | 830 （377） | 786 （357） | ป |
| 80 （27） | 874 （397） | 826 （375） | 826 （375） | 787 （357） | 749 （340） | \％ |
| 90 （32） | 831 （377） | 778 （353） | 778 （353） | 745 （338） | 712 （323） | 으 |

Ice production－Horizon Elite 1410 series， air－cooled models

| Inlet water temperature F（C） | Ambient air temperature F（C） |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 60 （16） | 70 （21） | 80 （27） | 90 （32） | 100 （38） | 亡 |
| 50 （10） | 1593 （723） | 1466 （665） | 1339 （607） | 1230 （558） | 1121 （508） | $\stackrel{\sim}{\sim}$ |
| 60 （16） | 1518 （689） | 1396 （633） | 1275 （579） | 1163 （528） | 1052 （478） | 은 |
| 70 （21） | 1442 （654） | 1327 （602） | 1211 （549） | 1097 （498） | 982 （446） | O |
| 80 （27） | 1394 （632） | 1272 （577） | 1150 （522） | 1050 （477） | 950 （431） | \％ |
| 90 （32） | 1345 （610） | 1327 （602） | 1089 （494） | 1004 （456） | 918 （417） | 으 |

Ice production－Horizon Elite 1410 series， water－cooled models

| Potable water temperature F（C） | Condenser water temperature F（C） |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 60 （16） | 70 （21） | 80 （27） | 90 （32） | 100 （38） | 亡 |
| 50 （10） | 1436 （652） | 1411 （641） | 1385 （607） | 1370 （622） | 1354 （615） | $\stackrel{\text { ̇ }}{\text { v }}$ |
| 60 （16） | 1417 （643） | 1367 （633） | 1318 （621） | 1307 （593） | 1296 （588） | 인 |
| 70 （21） | 1397 （634） | 1324 （602） | 1251 （568） | 1245 （565） | 1238 （562） | ح |
| 80 （27） | 1318 （598） | 1253 （577） | 1189 （540） | 1170 （531） | 1151 （522） | \％ |
| 90 （32） | 1238 （562） | 1183 （602） | 1127 （512） | 1096 （497） | 1064 （483） | $\bigcirc$ |


[^0]:    Independent third party studies. Contact Follett for details.
    ${ }^{2}$ Disclaimer: Antimicrobial protection is limited to the treated components and does not treat water or ice
    ${ }^{3}$ Refer to price list for additional warranty information.

