Horizon Elite[™]



Features

remote 1810, 2110 series Chewblet® ice machine

Ice machine to be a Follett® Hor

Horizon Elite

□ 1810 series - up to 1784 lb (810 kg) in 24 hours

□ 2110 series - up to 2039 lb (925 kg) in 24 hours

- automatically transport ice through a tube with RIDE* technology from up to 75' (22.9 m) away
- chewable, compressed nugget ice is preferred over cubes¹
- Chewblet ice dispenses reliably from ice and beverage dispensers
- available with approximately 1.00" (2.54 cm) long standard Chewblet ice or optional 3/8" (0.95 cm) long Micro Chewblet™ ice
- quiet production without noisy harvest cycles

Revolutionary, scale inhibiting design

- produces ice that has 15% the TDS of the incoming water for optimum dispensing and long life in drinks
- quarantines and regularly expels scale producing dissolved solids to dramatically reduce scale buildup
- increases time between descaling and reduces or eliminates the need for expensive scale treatment
- saves 35% water compared to comparable cubers
- three phase models ENERGY STAR* certified

Durable, attractive ice machine

- regular bearing inspection or replacement is not required
- upgraded, easy-to-read LED operating status and diagnostic display

Designed with sanitation in mind

- Agion* silver-based antimicrobial product protection of key ice and water contact components²
- floatless, sealed design inhibits formation of biofilms
- semi-automatic cleaning and sanitizing system

Warranty

- 3 years parts and labor, 5 years compressor parts³

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 storage bin, □ice and water dispenser, □ice and beverage dispenser, □drop-in dispenser or □Ice Manager™ diverter valve system, slide-out 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	Evaporator	Item number ² 1810 series	Item number ² 2110 series
	top mount	with	115/60/14,5	HCD1810RBT	HCD2110RBT
isa stavana kin		without	115/60/1	HCD1810NBT	HCD2110NBT
ice storage bin	RIDE	with	115/60/14,5	HCD1810RBS	HCD2110RBS
	KIDE	without	115/60/1	HCD1810NBS	HCD2110NBS
Follett Vision™ undercounter ice and beverage dispenser	RIDE	with	115/60/14,5	HCD1810RVS	HCD2110RVS
		without	115/60/1	HCD1810NVS	HCD2110NVS
countertop ice and beverage dispenser (by others)	top mount ³	with	115/60/14,5	HCD1810RHT	HCD2110RHT
		without	115/60/1	HCD1810NHT	HCD2110NHT
	RIDE	with	115/60/14,5	HCD1810RHS	HCD2110RHS
		without	115/60/1	HCD1810NHS	HCD2110NHS
drop-in dispenser	RIDE	with	115/60/14,5	HCD1810RJS	HCD2110RJS
(by others)		without	115/60/1	HCD1810NJS	HCD2110NJS
Ice Manager	RIDE	with	115/60/14,5	HCD1810RMS	HCD2110RMS
diverter valve system		without	115/60/1	HCD1810NMS	HCD2110NMS

¹ Ordered separately.



² For Micro Chewblet ice, replace second character (C) with an M e.g. HMD2110RBT.

³ Requires top kit (see page 5 for part number).

⁴ Condensing unit is 208-230/60/1.

For three phase remote condensing unit, replace third character (D) with an F e.g. HCF1810RBT.

¹ Independent third party studies. Contact Follett for details.

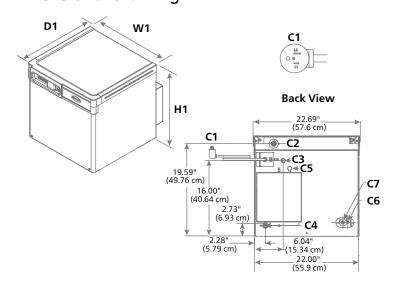
² Disclaimer: Antimicrobial protection is limited to the treated components and does not treat water or ice.

³ Refer to price list for additional warranty information.

Accessories

- ☐ Top kit for ice and beverage dispensers (page 5)
- ☐ Water filters (refer to form# 9905)
- ☐ Wall mount bracket (item# 00997098)
- ☐ Ice machine stand, height-adjustable (item# 00997080)
- ☐ Timer to control one or two ice machines (item# 00967265)
- ☐ Longer ice transport tube (refer to price list, form# 4025) NOTE: 10' (3 m) provided as standard for RIDE model.
- ☐ Sleep cycle kit for improved energy efficiency and component life (item# 01338276)
 - NOTE: For countertop dispenser applications for models ending in HS and HT.
- ☐ Insulated 35' (10.7 m) refrigeration lines (item# 00977785) (not pre-charged) for 1810R and 2110R
- ☐ SafeCLEAN Plus[™] ice machine cleaner
 - ☐ 1 x 8 oz (237 ml) bottle (item# 01147826)
 - \square 6 x 8 oz (237 ml) bottles (item# 01149954)
 - ☐ 24 x 8 oz (237 ml) bottles (item# 01149962)
- ☐ SaniSponge[™], 24 sanitary sponges (item# 01075431)

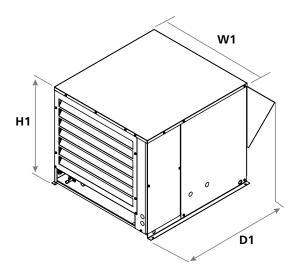
Dimensional drawing



Specification, evaporator unit

22.70" (57.7 cm) Fits on 22.00" wide dispensers	22.70" (57.7 cm) Fits on 22.00" wide dispensers
23.70" (60.2 cm)	23.70" (60.2 cm)
22.50" (57.2 cm)	22.50" (57.2 cm)
top, left and right – 1.00" (2.54 cm)	top, left and right – 1.00" (2.54 cm)
5 amps, requires dedicated 15 amp circuit, 6' (1.8 m) cord, NEMA 5-15 plug	5 amps, requires dedicated 15 amp circuit, 6' (1.8 m) cord, NEMA 5-15 plug
368 W	368 W
see page 7 for details	see page 7 for details
3/8" OD push-in water inlet – internal connection	3/8" OD push-in water inlet – internal connection
3/4" MPT, 1" drain required see page 7 for details	3/4" MPT, 1" drain required see page 7 for details
for Vision applications only	for Vision applications only
3/8"	3/8"
7/8"	7/8"
50 -100 F (10 - 38 C)	50 -100 F (10 - 38 C)
45 - 90 F (7 - 32 C)	45 - 90 F (7 - 32 C)
10 - 70 psi (69 - 483 kPa)	10 - 70 psi (69 - 483 kPa)
see ice production chart on page 8	see ice production chart on page 8
single phase – 4.59 kWh three phase – 3.33 kWh per 100 lb (45.4 kg) ice	single phase – 4.65 kWh three phase – 2.93 kWh per 100 lb (45.4 kg) ice
12.4 gal (47 L) of potable water per 100 lb (45.4 kg) of ice (per AHRI test standards). 13.9 gal (53 L) at low TDS flush setting.	12.4 gal (47 L) of potable water per 100 lb (45.4 kg) of ice (per AHRI test standards). 13.9 gal (53 L) at low TDS flush setting.
R404a	R404a
15,700 (3,956)	18,200 (4,586)
0 F (-18 C)	0 F (-18 C)
170 lb (77 kg)	175 lb (79 kg)
160 lb (73 kg)	165 lb (75 kg)
	Fits on 22.00" wide dispensers 23.70" (60.2 cm) 22.50" (57.2 cm) top, left and right – 1.00" (2.54 cm) 5 amps, requires dedicated 15 amp circuit, 6' (1.8 m) cord, NEMA 5-15 plug 368 W see page 7 for details 3/8" OD push-in water inlet – internal connection 3/4" MPT, 1" drain required see page 7 for details for Vision applications only 3/8" 7/8" 50 -100 F (10 - 38 C) 45 - 90 F (7 - 32 C) 10 - 70 psi (69 - 483 kPa) see ice production chart on page 8 single phase – 4.59 kWh three phase – 3.33 kWh per 100 lb (45.4 kg) ice 12.4 gal (47 L) of potable water per 100 lb (45.4 kg) of ice (per AHRI test standards). 13.9 gal (53 L) at low TDS flush setting. R404a 15,700 (3,956) 0 F (-18 C)

Dimensional drawing

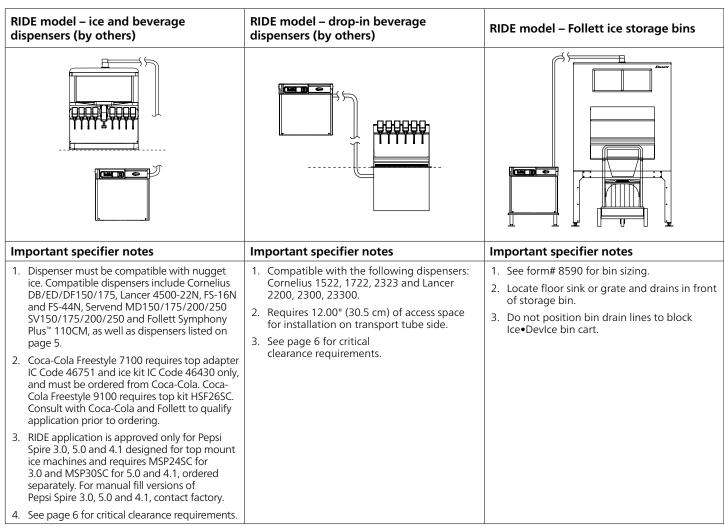


Specification, condenser unit		
	Horizon Elite 1810 series	Horizon Elite 2110 series
W1 Width	30.00" (76.2 cm) – all models	30.00" (76.2 cm) – all models
D1 Depth (hail guard included)	38.50" (97.8 cm) – all models	38.50" (97.8 cm) – all models
H1 Height	25.75" (65.4 cm) – all models	25.75" (65.4 cm) – all models
Electrical	single phase – 208-230/60/1 three phase – 208-230/60/3	single phase – 208-230/60/1 three phase – 208-230/60/3
Operating power	single phase – 6.0 kW three phase – 3.6 kW	single phase – 6.2 kW three phase – 4.6 kW
Minimum circuit ampacity	single phase – 26.2 A three phase – 15.7 A	single phase – 27.1 A three phase – 19.9 A
Maximum circuit HVACR breaker size	single phase – 45 A three phase – 25 A	single phase – 45 A three phase – 30 A
Outdoor condensing unit operating limits (air temperature)	min -20 F (-29 C) max 120 F (49 C)	min -20 F (-29 C) max 120 F (49 C)
Maximum refrigerant line run length	75' (22.9 m)	75' (22.9 m)
Maximum line rise above evaporator	35' (10.7 m)	35' (10.7 m)
Evaporator mounting above condenser	15' (4.6 m)	15' (4.6 m)
Maximum refrigeration line drop without oil trap	15' (4.6 m)	15' (4.6 m)
Refrigerant charge	14.5 lb required at installation	14.5 lb required at installation
Approximate ship weight	305 lb (138 kg)	305 lb (138 kg)
Approximate net weight	295 lb (134 kg)	295 lb (134 kg)
NOTE: 1. Suction line must be insulated. Liquid line does no	t require insulation.	

1 – Locating the ice machine

Horizon Elite remote 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 6-7).

Top mounting – ice and beverage dispensers (by others)	RIDE model – Follett low-profile Vision ice and beverage dispensers	Top mount on Follett ice storage bins	
Important specifier notes	Important specifier notes	Important specifier notes	
Dispenser must be compatible with nugget ice. See page 5 for compatible ice and beverage dispenser models and top kit numbers. Verify ceiling or soffit height to ensure sufficient top clearance.	 See page 6 for critical clearance requirements. Ice transport tube ships with Vision ice and beverage dispenser (Vision applications only). 	 See form# 8590 for bin sizing. Verify ceiling or soffit height to ensure top clearance. Locate floor sink or grate and drains in front of storage bin. Do not position bin drain lines to block Ice•Devlce™ bin cart. 	



1 – Locating the ice machine (continued)

Top mounting – compatible ice and beverage dispensers 1					
Manufacturer	Model Number	Width in (cm)	Depth ² in (cm)	Height ³ in (cm)	Top kit
	Freestyle 7000	30.10 (76.5)	33.11 (79.0)	47.00 (119.4)	H22F30-F ⁴
	Freestyle 7100	30.00 (76.2)	33.80 (85.8)	47.00 (119.4)	H22F30-F ^{4,5}
Coca-Cola dispensers	Freestyle 9000	25.50 (64.8)	35.50 (90.2)	73.75 (187.3)	H22F24-F ^{4,6}
	Freestyle 9100	25.50 (64.8)	39.25 (99.7)	77.2 (196.2)	H22F26-F ⁴
	DB/ED/DF 200 series	30.00 (76.2)	30.00 (76.2)	34.38 (87.3)	H22C30-F or H22C30-X ⁷
	DB/ED/DF 250 series	30.00 (76.2)	30.00 (76.2)	38.38 (97.5)	H22C30-F or H22C30-X ⁷
	DB/ED/DF 300 series	44.00 (111.8)	30.00 (76.2)	34.00 (86.4)	H22C44-(F or B) ⁸
Cornelius dispensers	FlavorFusion/Overload	30.00 (76.2)	30.70 (78.0)	39.38 (100.0)	H22C30-F-FF
	IDC215	30.00 (76.2)	30.70 (78.0)	39.38 (100.0)	H22C30-F-IDC
	IDC255 and Pro Fast Gate	30.00 (76.2)	30.70 (78.0)	36.38 (92.4)	H22C30-F-IDC
	IDC Pro	30.00 (76.2)	33.13 (84.2)	40.25 (102.2)	H22C30-X-PRO ⁹
	4500-30N	30.00 (76.2)	30.50 (77.5)	36.50 (92.7)	H22L30-(F or B) ⁸
	FS-22N	22.00 (55.9)	30.50 (77.5)	42.13 (107.0)	H22L22-F
	FS-30N	30.00 (76.2)	30.50 (77.5)	42.13 (107.0)	H22L30-(F or B) ⁸
Lancer dispensers	Bevariety	30.00 (76.2)	31.00 (78.7)	37.75 (95.9)	H22L30-F-STP
	Sensation 30"	30.00 (76.2)	31.00 (78.7)	38.25 (97.2)	H22L30-F-STP
	Sensation 44"	44.00 (111.8)	31.00 (78.7)	39.38 (100.0)	H22L44-F-STP
	Touchpoint	32.50 (82.55)	33.70 (85.6)	40.00 (101.6)	H22L30-F-STP
Dani dia araa	Spire 3.0	27.00 (68.6)	35.00 (88.9)	38.12 (96.8)	H22P24-F
Pepsi dispensers	Spire 5.0 / 4.1	30.50 (77.5)	36.00 (91.4)	42.75 (108.6)	H22P30-F
Servend dispensers	MDH-302	42.75 (108.6)	31.00 (78.7)	32.38 (82.2)	H22S44-(F or B) ⁸
servena dispensers	MDH-402	60.00 (152.4)	30.50 (77.5)	32.38 (82.2)	H22S60-(F or B) 8, 10

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 4 for details.

² Requires minimum 0.50" (1.27 cm) clearance between back of dispenser and wall.

Net height after installation of top kit (excluding height of ice machine).
 Consult with Coca-Cola and Follett to qualify application prior to ordering.
 Top adapter IC Code 46753 and ice kit IC Code 46430 must also be ordered from Coca-Cola.

Adapter must also be ordered from Coca-Cola. KO IC Code: 46010 (Silver), 46011 (Red) or 46012 (Black).

Top designed with flexibility to accommodate front or back mounting.

Specify "F" for front facing, or "B" for backward facing units.

Top designed with flexibility to accommodate front or back mounting.

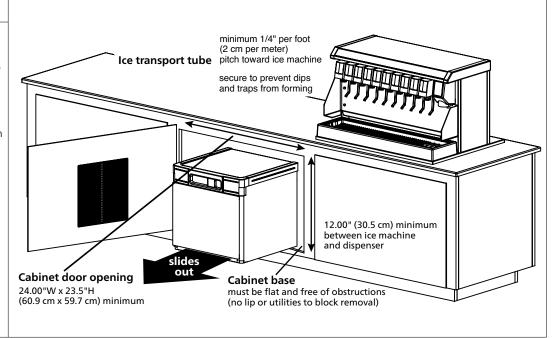
^{10 60-}inch models: Please specify number of Horizon Elite ice machines and location. D = 2; R = 1 on right side; L = 1 on left side.

2 - Undercounter/in-cabinet mounting

Cabinet details

Important specifier notes

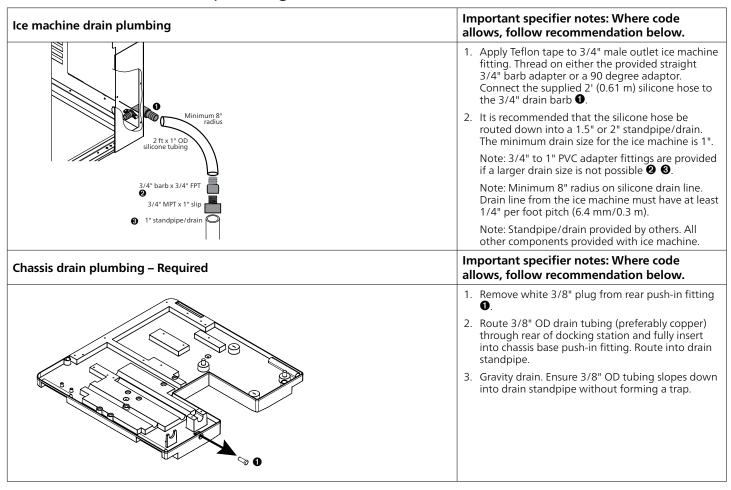
- Cabinet door opening must meet minimum size requirements shown and be free of obstructions to allow ice machine to slide out (no lip or utilities to block removal).
- Cabinet base must be capable of supporting ice machine and allow ice machine to rest flat on cabinet bottom.
- 3. No counter supports,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



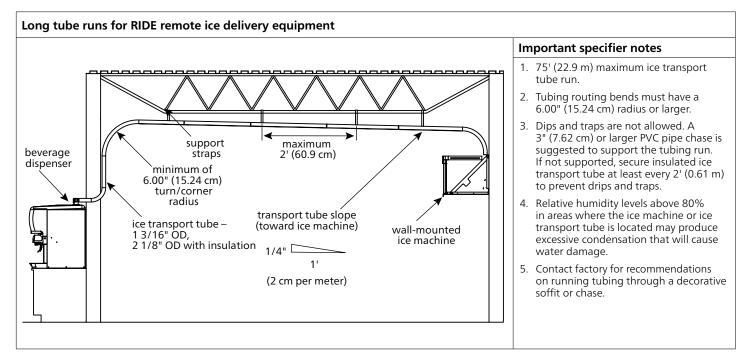
3 – Horizon Elite ice machine mounting accessories

Optional wall mount bracket Optional machine stand Important specifier notes 1. For secure wall mounting, specify optional wall mount bracket. 2. Wall and fasteners must support the weight of the ice machine, bracket, supply water and ice. Use of a backing board may be required with hollow wall construction. 3. Machine stand mounting adds 6.88" 22.00" (17.5 cm) to height of ice machine. (55.9 cm) 4. No dips in tube routing allowed. 5. Ice transport tube needs minimum 1/4" per foot (2 cm per meter) pitch toward ice machine and should be secured to prevent dips and traps from forming. 6.88" (17.5 cm) 25.50" 23.00" (64.8 cm) (58.4 cm) A - 15.875" (40.3 cm) C - 13.00" (33.0 cm) **B** - 19.375" (49.2 cm) **D** - 21.00" (53.3 cm)

4 - Horizon Elite drains - specifier guidelines



5 – Horizon Elite ice tube runs - specifier guidelines

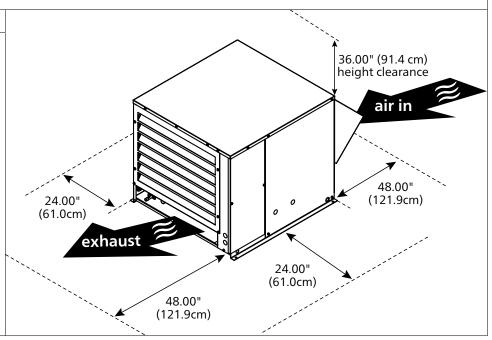


Remote condensing unit

Condensing unit installation specifications

Important specifier notes

- 1. Provide front, back, top and side clearances as shown.
- 2. The maximum refrigerant line run length is 75' (22.9 m). Installations require 14.5 lb of refrigerant.
- 3. The maximum line rise above the evaporator is 35' (10.7 m). Condensing unit above evaporator unit – 35' (10.7 m) (installations with rise over 20' (6.1 m) require additional suction line s-trap at midpoint rise) and p-trap at top of riser.
- 4. The evaporator can only be mounted a maximum of 15' (4.6 m) above the condensing unit.
- 5. P-trap required at bottom of suction riser.



Ice production – Horizon Elite 1810 series

Inlet water	Ambient air temperature F (C)						
temperature F (C)	60 (16)	70 (21)	80 (27)	90 (32)	100 (38)	۲	
50 F (10 C)	1859 (844)	1784 (810)	1685 (765)	1616 (734)	1500 (681)	in 24	
60 F (16 C)	1723 (782)	1684 (765)	1578 (716)	1563 (710)	1409 (640)		
70 F (21 C)	1620 (735)	1594 (724)	1514 (687)	1420 (645)	1319 (599)	production	
80 F (27 C)	1550 (704)	1487 (675)	1485 (674)	1351 (613)	1299 (590)	(kg) pr	
90 F (32 C)	1471 (668)	1435 (651)	1370 (622)	1285 (583)	1207 (548)	8) Q	

Ice production – Horizon Elite 2110 series

Inlet water	Ambient air temperature F (C)						
temperature F (C)	60 (16)	70 (21)	80 (27)	90 (32)	100 (38)	hr	
50 F (10 C)	2039 (925)	2039 (925)	1934 (877)	1825 (828)	1703 (772)	in 24	
60 F (16 C)	1943 (881)	1888 (856)	1878 (852)	1710 (776)	1584 (718)		
70 F (21 C)	1833 (831)	1781 (808)	1789 (811)	1634 (741)	1489 (675)	production	
80 F (27 C)	1754 (796)	1686 (765)	1643 (745)	1535 (696)	1426 (647)	(kg) pr	
90 F (32 C)	1650 (748)	1603 (727)	1577 (715)	1457 (661)	1395 (633)	4) qı	

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Remote 1810, 2110 series ice machine

