Horizon Elite[™]



□ 1010 series - up to 978 lb (444 kg) in 24 hours

technology from up to 75' (22.8 m) away

- Chewblet ice dispenses reliably from ice and

- quiet production without noisy harvest cycles

- regular bearing inspection or replacement is

key ice and water contact components²

- upgraded, easy-to-read LED operating status and

- Agion[®] silver-based antimicrobial product protection of

floatless, sealed design inhibits formation of biofilms
 semi-automatic cleaning and sanitizing system

- 3 years parts and labor, 5 years compressor parts

□ 1410 series - up to 1372 lb (623 kg) in 24 hours

- automatically transport ice through a tube with RIDE®

- chewable, compressed nugget ice is preferred over

 - available with approximately 1.00" (2.54 cm) long standard Chewblet ice or optional 3/8" (0.95 cm) long

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
meets 2018 Department of Energy regulations
three phase models Energy Star* certified

Features

Horizon Elite

cubes¹

beverage dispensers

Micro Chewblet[™] ice

Revolutionary, scale inhibiting design

Durable, attractive ice machine

Designed with sanitation in mind

not required

Warranty

Certifications

diagnostic display

remote 1010, 1410 series Chewblet® 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 □ 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.

Horizon Elite remot	te 1010, 1410 s	series ice ma	chine		-
For use with ¹	Install/mount	Condenser	V/Hz/Ph	ltem number⁵ 1010 series	Item numbe 1410 series
	top mount	with	115/60/14	HCD1010RBT	HCD1410RB
		without	115/60/1	HCD1010NBT	HCD1410NB
ice storage bin	RIDE	with	115/60/14	HCD1010RBS	HCD1410RB
		without	115/60/1	HCD1010NBS	HCD1410NB
Follett Vision [™] undercounter	DIDE	with	115/60/14	HCD1010RVS	HCD1410RV
ice & beverage dispenser	RIDE	without	115/60/1	HCD1010NVS	HCD1410NV
Cornelius PR150 undercounter ice & beverage dispenser ²	RIDE	with	115/60/14	HCD1010RPS	HCD1410RP
		without	115/60/1	HCD1010NPS	HCD1410NP
countertop ice & beverage	top mount ³	with	115/60/14	HCD1010RHT	HCD1410RH
		without	115/60/1	HCD1010NHT	HCD1410NH
dispenser (by others)	RIDE	with	115/60/14	HCD1010RHS	HCD1410RH
(,		without	115/60/1	HCD1010NHS	HCD1410NH
drop-in	RIDE	with	115/60/14	HCD1010RJS	HCD1410RJ
dispenser (by others)		without	115/60/1	HCD1010NJS	HCD1410NJ
lce Manager diverter valve system	RIDE	with	115/60/14	HCD1010RMS	HCD1410RN
		without	115/60/1	HCD1010NMS	HCD1410NN

¹ Ordered separately

² Not compatible with Micro Chewblet ice ³ Requires Harmony[™] top kit (see page 5 for part number)

⁴ For three phase remote condensing unit, replace third character (D) with F

e.g. HCF1010RBT

⁵ For Micro Chewblet ice, replace second character (C) with an M e.g. HMD1010RBT

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.

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Job Item

Accessories

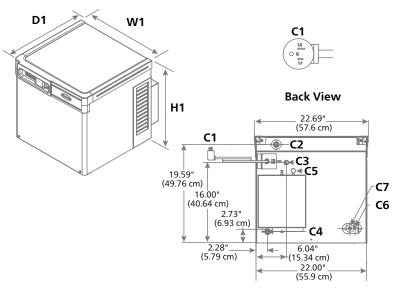
- □ Harmony conversion top kit for ice and beverage dispensers (listed on page 5)
- □ Water filters (refer to form# 9905)
- □ Wall mount bracket (item# 00997098)
- □ Ice machine stand, height-adjustable (item# 00997080)
- □ Timer to control one or two ice machines (item# 00967625)
- □ Longer ice transport tube, specify length: ____ ft/m in 5'/1.5 m increments (10'/3 m provided as standard for RIDE models) (item# 00174896)
- □ Insulated 35' (10.7 m) refrigeration lines (item# 00193227) – (not pre-charged) for 1010R and 1410R

□SafeCLEAN Plus[™] ice machine cleaner

- 1 x 8 oz (237 ml) bottle (item# 01147826) 6 x 8 oz (237 ml) bottles (item# 01149954)
- Carton of 24 x 8 oz (237 ml) bottles (item# 01149962)

□SaniSponge[™], 24 sanitary sponges (item# 01075431)

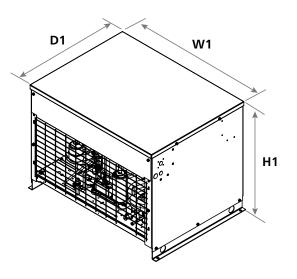
Dimensional drawing



Specification, evaporator unit

	Horizon Elite 1010 series	Horizon Elite 1410 series
W1 Width	22.70" (57.7 cm) Fits on 22.00" wide dispensers	22.70" (57.7 cm) Fits on 22.00" wide dispensers
D1 Depth	22.50" (57.1 cm)	24.50" (62.2 cm)
H1 Height	21.25" (53.9 cm)	21.25" (53.9 cm)
Clearance	top, left and right – 1.00" (2.54 cm)	top, left and right – 1.00" (2.54 cm)
C1 Electrical 115 V/60/1	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
Operating power	0.6 kW	0.6 kW
C2 Ice transport tube	see page 7 for details	see page 7 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 6 for details	3/4" MPT, 1" drain required see page 6 for details
C5 Ice bin signal cord	for Vision applications only	for Vision applications only
C6 Liquid line	3/8"	3/8"
C7 Suction line	5/8"	5/8"
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)
Ice production	see ice production chart on page 8	see ice production chart on page 8
Energy consumption 90 F (32 C) air, 70 F (21 C) water	single phase – 4.68 kWh three phase – 3.57 kWh per 100 lb (45.4 kg) ice	single phase – 4.63 kWh three phase – 3.02 kWh per 100 lb (45.4 kg) ice
Water consumption	12.0 gal (47 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 flush setting	12.5 gal (47 L) of potable water per 100 lb (45.4 kg) of ice (per AHRI test standards). 12.3 gal (46.5 L) at low TDS flush setting
Refrigerant	R404a	R404a
BTU/hr (Kcal/hr) at 0 F (-18 C) evaporator, 90 F (32 C) ambient air	7,700 (1,940)	10,000 (2,520)
Rack systems EPR valve - set to EPR valve to be supplied by installer	0 F (-18 C)	0 F (-18 C)
Approximate ship weight	195 lb (88 kg)	205 lb (93 kg)
Approximate net weight	185 lb (84 kg)	195 lb (88 kg)
NOTE: For indoor use only. Outdoor installa	tion of low side is not recommended and will	void warranty.

Dimensional drawing



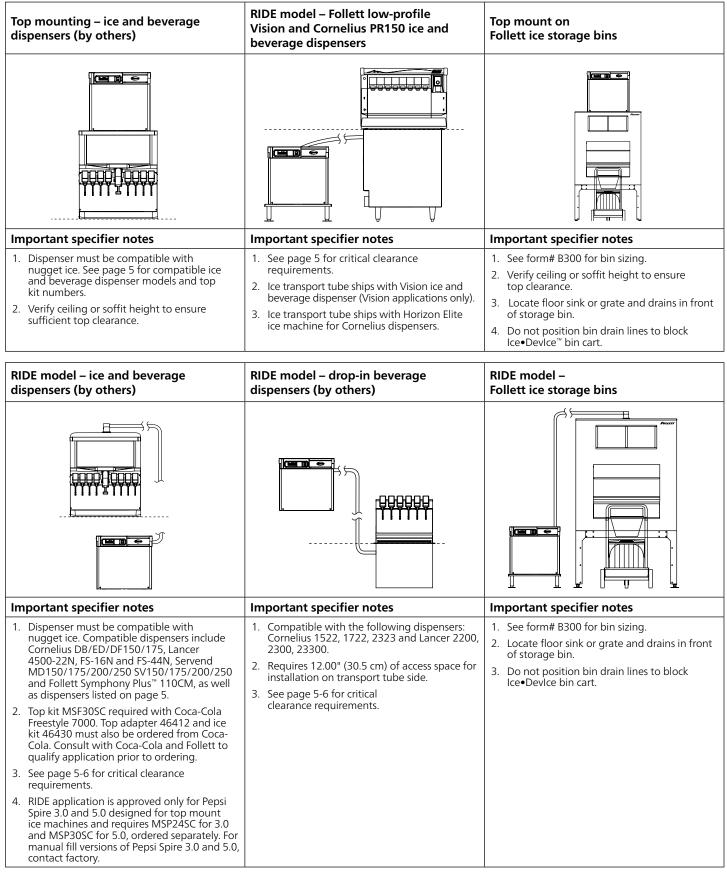
Specification, condenser unit

	Horizon Elite 1010 series	Horizon Elite 1410 series
W1 Width	36.25" (91.4 cm) – all models	36.25" (90.1 cm) – all models
D1 Depth	25.50" (64.8 cm) – all models	25.50" (64.8 cm) – all models
H1 Height	26.10" (66.3 cm) – all models	26.10" (66.3 cm) – all models
Electrical	single phase – 208-230/60/1 three phase – 208-230/60/3	single phase – 208-230/60/1 three phase – 200-230/60/3
Operating power	single phase – 2.4 kW three phase – 2.2 kW	single phase – 4.2 kW three phase – 3.1 kW
Minimum circuit ampacity	single phase – 10.7 A three phase – 9.9 A	single phase – 19.3 A three phase – 14.2 A
Maximum overcurrent protection	single phase – 15 A three phase – 15 A	single phase – 30 A three phase –25 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	100' (30.5 m)	100' (30.5 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	260 lb (136 kg)	270 lb (145 kg)
Approximate net weight	250 lb (114 kg)	260 lb (136 kg)
NOTE:		

1. The entire liquid line should be insulated separately from the suction line.

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' (22.8 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 5-7).



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)	Harmony top kit	
Coca-Cola dispensers	Freestyle 7000	30.10 (76.5)	33.11 (79.0)	47.00 (119.4)	H22F30-F ^{4, 5}	
	Freestyle 9000	25.50 (64.8)	35.50 (90.2)	73.75 (187.3)	H22F24-F ^{4,6}	
	DB/ED/DF 200 series	30.00 (76.2)	30.00 (76.2)	34.38 (87.3)	H22C30-F	
	DB/ED/DF 250 series	30.00 (76.2)	30.00 (76.2)	38.38 (97.5)	H22C30-F	
Cornelius	DB/ED/DF 300 series	44.00 (111.8)	30.00 (76.2)	34.00 (86.4)	H22C44-(F or B) ⁷	
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 ⁸	
Lancer dispensers	4500-30N	30.00 (76.2)	30.50 (77.5)	36.50 (92.7)	H22L30-(F or B) ⁷	
	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) ⁷	
	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	
Pepsi	Spire 3.0	27.00 (68.6)	35.00 (88.9)	38.12 (96.8)	H22P24-F	
dispensers	Spire 5.0	30.50 (77.5)	36.00 (91.4)	42.75 (108.6)	H22P30-F	
Servend	MDH-302	42.75 (108.6)	31.00 (78.7)	32.38 (82.2)	H22S44-(F or B) ⁷	
dispensers	MDH-402	60.00 (152.4)	30.50 (77.5)	32.38 (82.2)	H22S60-(F or B) ^{7,9}	

¹ All approved dispensers can be filled with a RIDE model Horizon Elite ice machine without a top kit except for Coca-Cola Freestyle 7000 and Pepsi Spire 3.0 and 5.0, see page 4 for details. ² Requires minimum 0.50" (1.27 cm) clearance between back of dispenser and wall. ³ 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 46412 and ice kit 46430 must also be ordered from Coca-Cola. ⁶ Adottor must also be ordered from Coca-Cola.

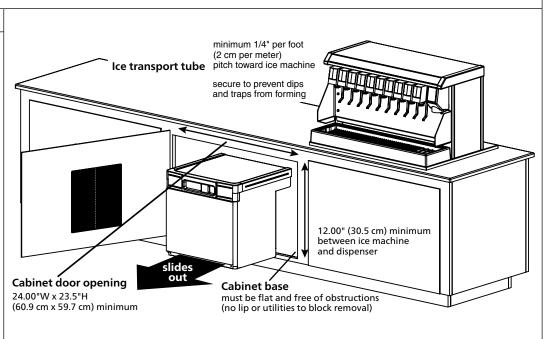
⁶ Job pice 46412 and res it 46450 must also be ordered from Coca-Cola.
 ⁶ Adapter must also be ordered from Coca-Cola. KO IC Code: 46010 (Silver), 46011 (Red) or 46012 (Black).
 ⁷ Specify "F' for front facing, or "B" for backward facing units.
 ⁸ Contact factory regarding IDC Pro.
 ⁹ 60- inch models: 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

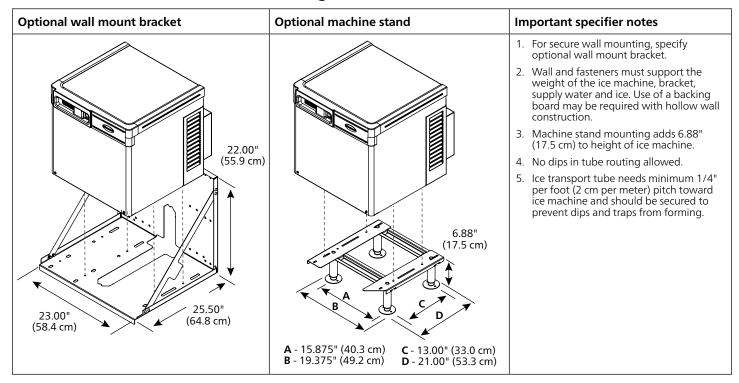
Important specifier notes

- 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.

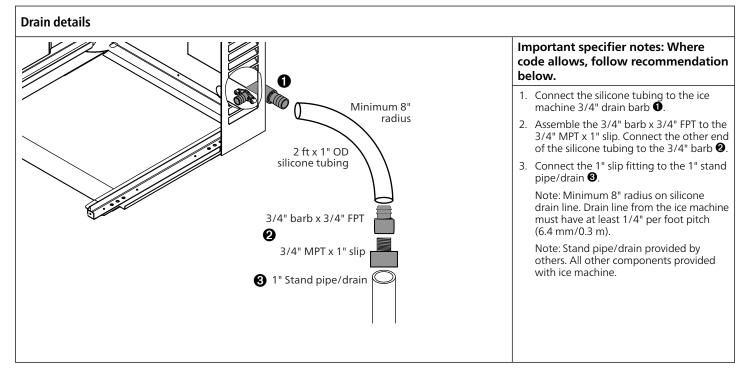


Remote 1010, 1410 series ice machine

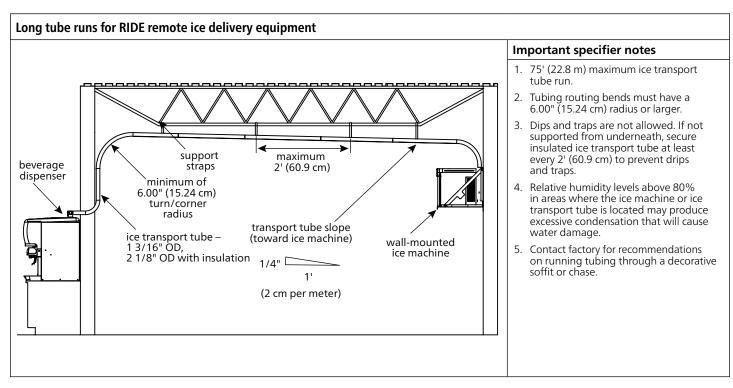
3 – Horizon Elite ice machine mounting accessories



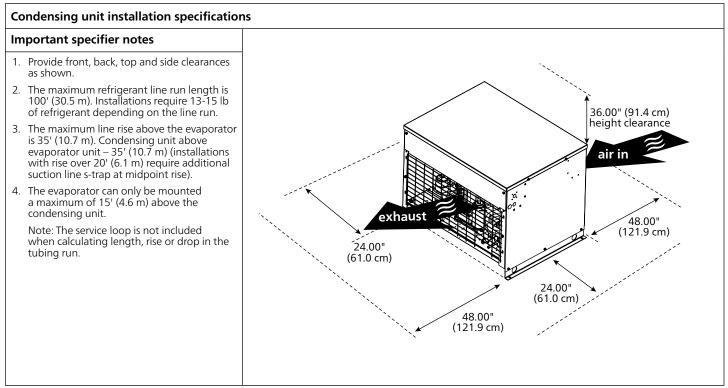
4 – Horizon Elite drain - specifier guidelines



5 – Horizon Elite ice tube runs - specifier guidelines



Remote condensing unit



Note: To connect evaporator/ice machine to rack systems, see page 3.

Ice production – Horizon Elite 1010 series, air-cooled

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)	1051 (477)	978 (444)	906 (411)	834 (379)	763 (346)	in 24
60 F (16 C)	1037 (471)	925 (420)	855 (388)	796 (361)	737 (335)	tion
70 F (21 C)	937 (425)	871 (395)	805 (366)	758 (344)	711 (323)	production
80 F (27 C)	904 (410)	839 (381)	774 (351)	727 (330)	680 (309)	(kg) pr
90 F (32 C)	872 (396)	807 (366)	743 (337)	696 (316)	648 (294)	1) qi

Ice production - Horizon Elite 1410 series, air-cooled

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)	1474 (669)	1372 (623)	1269 (576)	1212 (550)	1154 (524)	in 24	
60 F (16 C)	1385 (628)	1292 (586)	1198 (544)	1148 (521)	1097 (498)	tion	
70 F (21 C)	1296 (588)	1212 (550)	1127 (511)	1083 (492)	1039 (472)	production	
80 F (27 C)	1239 (562)	1155 (524)	1072 (487)	1030 (468)	988 (449)	(kg) pr	
90 F (32 C)	1181 (536)	1099 (499)	1017 (462)	976 (443)	936 (425)	1) qi	





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Remote 1010, 1410 series ice machine

