

Follett® Horizon Chewblet ice machines are compact, reliable and versatile. Available in both top mount and with RIDE™ remote ice delivery equipment, Horizon ice machines can fill:

- Ice storage bins, ice transport systems, and Ice•Devlce™ ice storage and dispensing systems
- Countertop ice and beverage dispensers
- Drop-in dispensers at drive-thrus and server stations

Engineered with stainless steel frame and exterior, Horizon ice machines use environmentally responsible R404A refrigerant and are capable of producing up to 471 kg (1036 lbs) for the 1000 series and 658 kg (1450 lbs) for the 1400 series of Chewblet compressed nugget ice in a 24-hour period.

Low life cycle cost

- Uses up to 40% less water than cube ice machines
- Rejects up to 30% less heat than typical cuber
- Requires no preventive maintenance other than periodic cleaning and sanitizing

RIDE remote ice delivery equipment

- Automatically fill bin/dispenser up to 23 m (75 ft) away from the bin/dispenser (3 m (10 ft) for Micro Chewblet ice) with RIDE remote ice delivery equipment
- Improved sanitation, aesthetics, serviceability

Consumer-preferred Chewblet ice

- Consumer-preferred chewable ice for beverages
- More reliable dispensing compared to nugget or pellet ice
- Higher liquid displacement than cube ice
- Standard Chewblet ice – approximately 25.4 mm (1") length, Micro Chewblet ice approximately 9.5 mm (3/8") length

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
- Highest quality components for long life, high reliability
- Quiet operation, no noisy batch harvest cycles

Superior sanitation

- Floatless, sealed design inhibits formation of biofilms
- Aluminum bronze evaporator provides inherent anti-microbial properties

Accessories

- Water filter kit (item# 00130286)
- Wall mount bracket (refer to form# 3311)
- Ice machine stand (refer to form# 3311)
- Timer to control one or two Horizon ice machines (refer to form# 3311)

Warranty

- 3 years parts and labor on all components; 5 year parts on compressor

Job: _____

Model: _____ Item: _____

Horizon 1000 self-contained, with air- or water-cooled condensing unit



Application	Condenser	Top Mount	RIDE model
Bins	air water	HCE1000ABT HCE1000WBT	HCE1000ABS HCE1000WBS
Ice & beverage dispensers manufactured by others	air water	HCE1000AHT HCE1000WHT (requires Follett Harmony™ top kit.)	HCE1000AHS HCE1000WHS
Drop-in dispensers	air water	not available	HCE1000AJS HCE1000WJS

Note: For Micro Chewblet ice, replace second character (C) with an M e.g. HME1000ABT

Horizon 1400 self-contained, with air- or water-cooled condensing unit



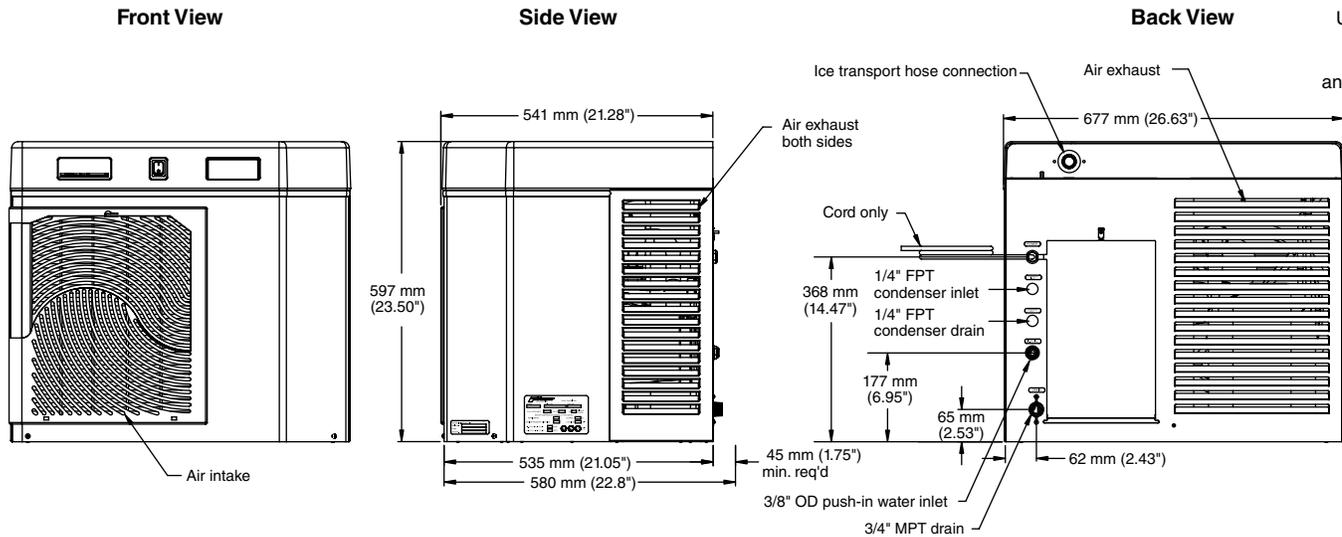
Application	Condenser	Top Mount	RIDE
Bins	air water	HCE1400ABT HCE1400WBT	HCE1400ABS HCE1400WBS
Ice & beverage dispensers manufactured by others	air water	HCE1400AHT HCE1400WHT (requires Follett Harmony™ top kit.)	HCE1400AHS HCE1400WHS
Drop-in dispensers	air water	not available	HCE1400AJS HCE1400WJS

Note: For Micro Chewblet ice, replace second character (C) with an M e.g. HME1400ABT

Horizon Chewblet ice machine – 50 Hz self-contained, air- or water-cooled

**HCE1000A
HCE1000W**

U.S. Patents
7,263,844,
7,469,548
and 7,469,552



Operating Limits

Ambient air temp. range – 10 C to 38 C (50 F to 100 F).
Water temp. range – 7 C to 32 C (45 F to 90 F).
Potable water pressure – 69 kpa to 483 kpa (10 psi to 70 psi).
Condenser water pressure – 1035 kpa (150 psi) maximum.

Electrical

230/50/1, 11 amps; max. ice machine fuse or circuit breaker
15 amps. 2 m (7 ft) cord without plug to be provided with each ice
machine. Separate circuits required for each ice machine.

Transport Tube (RIDE models only)

3 m (10 ft) of insulated transport tube provided.

Approximate Shipping Weight

118 kg (260 lbs)

Dimensions

Overall Dimensions		
Height	Depth	Width
597 mm (23.5 in)	580 mm (22.8 in)	677 mm (26.7 in)

Water Consumption

52 L (13.6 gal) of potable water usage per 46 kg (100 lbs) of ice.

Heat Rejection

2,848 Kcal/hr (11,300 BTU/hr) for air-cooled.
3,226 Kcal/hr (12,800 BTU/hr) for water-cooled.

Energy Consumption

KWH per 46 kg (100 lbs) ice*	
Air-cooled	5.5
Water-cooled	5.1

*Air temp. 32 C (90 F); water temp. 21 C (70 F)

Water Flow Requirements for Water-Cooled Condensers

Water Temp. F°/C°	50/10	60/16	70/21
Water Flow: Gallons/100 lbs of ice Liters/46 kg of ice	45 170	73 276	98 371

Application	Condenser	Top Mount	RIDE model
Ice storage bins ¹	air water	HCE1000ABT HCE1000WBT	HCE1000ABS HCE1000WBS
Ice & beverage dispensers manufactured by others	air water	HCE1000AHT HCE1000WHT (requires Follett Harmony™ top kit.)	HCE1000AHS HCE1000WHS
Drop-in dispensers ²	air water	not available	HCE1000AJS HCE1000WJS

1 - Ice enters through top of bin in RIDE applications. For side entry,
contact factory at +1 (610) 252-7301.

2 - See form# 3425 for additional design information regarding installation
of a Horizon ice machine with drop-in dispensers.

Ice Production

Air-cooled ice machine capacity/24 hrs.

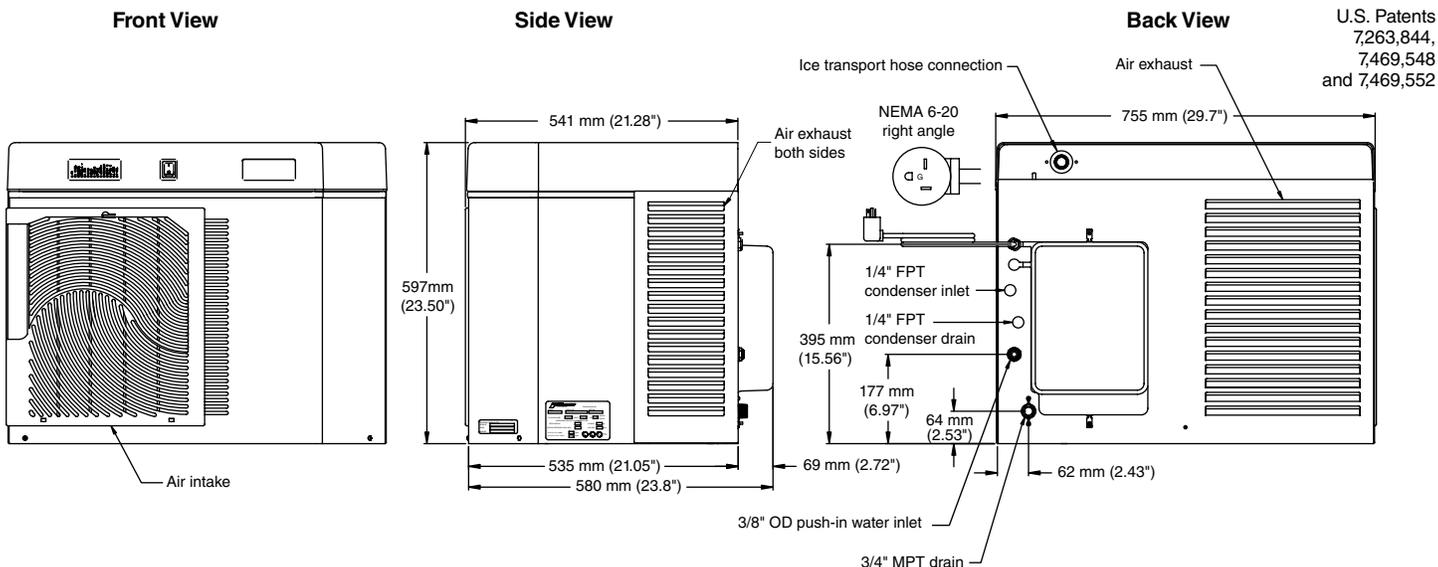
Inlet Water Temperature F/C	Ambient Air Temperature F/C						
	F	60	70	80	90	100	
	C	16	21	27	32	38	
50	1007	976	853	734	697	645	lbs
10	457	443	387	333	316	276	kg
60	950	887	812	724	645	607	lbs
16	431	402	369	328	293	276	kg
70	900	832	772	704	607	579	lbs
21	408	377	350	319	276	263	kg
80	858	800	732	669	579	541	lbs
27	389	363	332	304	263	245	kg
90	820	761	693	618	541	511	lbs
32	372	345	314	280	245	231	kg

Water-cooled ice machine capacity/24 hrs.

Inlet Water Temperature F/C	Condenser Water Temperature F/C						
	F	60	70	80	90	100	
	C	16	21	27	32	38	
50	950	919	865	785	675	641	lbs
10	431	417	392	356	306	274	kg
60	909	868	809	732	641	605	lbs
16	413	394	367	332	291	274	kg
70	862	827	771	697	605	569	lbs
21	391	375	350	316	274	258	kg
80	809	787	744	673	569	534	lbs
27	367	357	337	305	258	243	kg
90	753	746	722	660	534	511	lbs
32	342	339	328	299	243	231	kg

Horizon Chewblet ice machine – 50 Hz self-contained, air- or water-cooled

**HCE1400A
HCE1400W**



Operating Limits

Ambient air temp. range – 10 C to 38 C (50 F to 100 F).
Water temp. range – 7 C to 32 C (45 F to 90 F).
Potable water pressure – 69 kpa to 483 kpa (10 psi to 70 psi).
Condenser water pressure – 1035 kpa (150 psi) maximum.

Electrical

220-240/50/1, 16 amps; max. ice machine fuse or circuit breaker 20 amps. 2 m (7 ft) cord without plug to be provided with each ice machine. Separate circuits required for each ice machine.

Transport Tube (RIDE models only)

3 m (10 ft) of insulated transport tube provided.

Approximate Shipping Weight

132 kg (290 lbs)

Dimensions

Overall Dimensions		
Height	Depth	Width
597 mm (23.5 in)	604 mm (23.8 in)	755 mm (29.7 in)

Water Consumption

50 L (13.2 gal) of potable water per 46 kg (100 lbs) of ice.

Heat Rejection

3906 Kcal/hr (15,500 BTU/hr) for air- or water-cooled.

Energy Consumption

KWH per 46 kg (100 lbs) ice*	
Air-cooled	5.1
Water-cooled	3.8

*Air temp. 32 C (90 F); water temp. 21 C (70 F)

Water Flow Requirements for Water-Cooled Condensers

Water Temp. F°/C°	50/10	60/16	70/21
Water Flow: Gallons/100 lbs of ice	72	98	129
Liters/46 kg of ice	273	371	489

Application	Condenser	Top Mount	RIDE model
Ice storage bins ¹	air water	HCE1400ABT HCE1400WBT	HCE1400ABS HCE1400WBS
Ice & beverage dispensers manufactured by others	air water	HCE1400AHT HCE1400WHT (requires Follett Harmony™ top kit.)	HCE1400AHS HCE1400WHS
Drop-in dispensers ²	air water	not available	HCE1400AJS HCE1400WJS

1 - Ice enters through top of bin in RIDE applications. For side entry, contact factory +1 (610) 252-7301.

2 - See form# 3425 for additional design information regarding installation of a Horizon ice machine with drop-in dispensers.

Ice Production

Air-cooled ice machine capacity/24 hrs.

Inlet Water Temperature F/C	Ambient Air Temperature F/C					
	F	60	70	80	90	100
	C	16	21	27	32	38
50	1367	1293	1175	1083	994	914
10	620	586	533	491	451	415
60	1287	1211	1119	1047	957	868
16	584	549	508	475	434	394
70	1219	1140	1062	999	914	821
21	553	517	482	453	415	372
80	1160	1078	1006	969	868	773
27	526	489	456	439	394	351
90	1109	1026	950	882	821	758
32	503	465	431	400	372	341

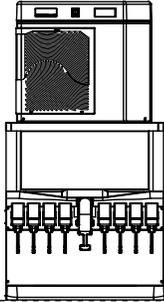
Water-cooled ice machine capacity/24 hrs.

Inlet Water Temperature F/C	Condenser Water Temperature F/C					
	F	60	70	80	90	100
	C	16	21	27	32	38
50	1360	1313	1267	1220	1173	1126
10	617	596	575	553	532	511
60	1318	1272	1225	1178	1131	1084
16	598	577	556	534	513	492
70	1291	1244	1197	1150	1103	1056
21	586	564	543	522	501	480
80	1249	1202	1155	1108	1062	1015
27	567	545	524	503	482	461
90	1207	1160	1114	1067	1020	973
32	548	526	505	484	463	442

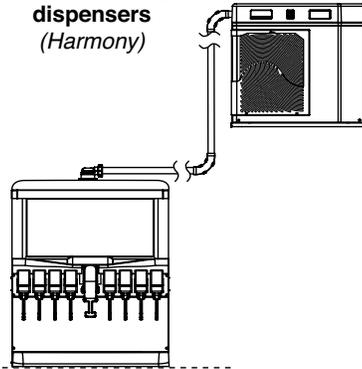
Horizon Series Icemaker Model Number Configurations

		HC	E	1000	A	B	T		
Icemaker	Voltage	Series			Condenser		Application	Configuration	
HC Horizon™ Chewblet®	E 220-240/50/1 (self-contained only)	1000 up to 471 kg (1036 lbs)	A Air-cooled, self-contained W Water-cooled, self-contained		H Harmony™	S RIDE™ (remote ice delivery equipment)			
HM Horizon Micro Chewblet		1400 up to 658 kg (1450 lbs)			B Ice storage bin	T Top-mount			
					J Drop-in				

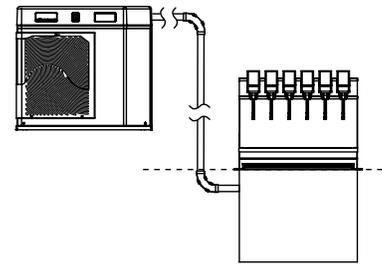
Top mount on ice and beverage dispensers (Harmony)



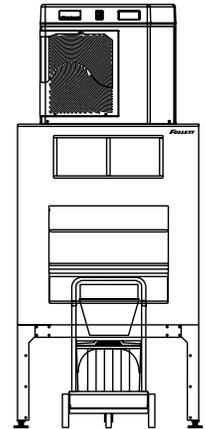
RIDE models for ice and beverage dispensers (Harmony)



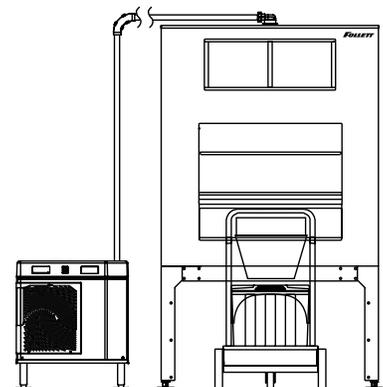
RIDE models for drop-in dispenser



Top mount on ice storage bins



RIDE models for ice storage bins



Approved Harmony applications and top kits*

Manufacturer/Model Number	W = Width mm (in)	D = Depth mm (in)	H = Height** mm (in)	Harmony top kit – specify “F” for front facing, or “B” for backward facing units	
				HCE1000	HCE1400
Lancer dispensers					
4500-22N	559 (22.0)	775 (30.5)	N/A	RIDE models only	RIDE models only
4500-30N	762 (30.0)	775 (30.5)	928 (36.50)	HTL30SC-10F	HTL30SC-14F
4500-44N	1118 (44.0)	775 (30.5)	N/A	RIDE models only	RIDE models only
FS-22N	559 (22.0)	775 (30.5)	1070 (42.13)	RIDE models only	RIDE models only
FS-30N	762 (30.0)	775 (30.5)	1070 (42.13)	HTL30SC-10F	HTL30SC-14F
FS-44N	1118 (44.0)	775 (30.5)	1070 (42.13)	RIDE models only	RIDE models only
Remcor/Cornelius dispensers					
DB/ED/DF 150 series	559 (22.0)	762 (30.0)	873 (34.38)	RIDE models only	RIDE models only
DB/ED/DF 200 series	762 (30.0)	762 (30.0)	873 (34.38)	HTC30SC-10F	HTC30SC-14F
DB/ED/DF 250 series	762 (30.0)	762 (30.0)	975 (38.38)	HTC30SC-10F	HTC30SC-14F
DB/ED/DF 300 series	1118 (44.0)	762 (30.0)	864 (34.00)	HTC44SC-10 (F or B)	HTC44SC-14 (F or B)
FlavorFusion/Overload	762 (30.0)	780 (30.7)	1000 (39.38)	HTC30SC-10F-FF	HTC30SC-14F-FF
IDC215	762 (30.0)	780 (30.7)	1000 (39.38)	HTC30SC-10F-IDC	HTC30SC-14F-IDC
IDC255	762 (30.0)	780 (30.7)	924 (36.38)	HTC30SC-10F-IDC	HTC30SC-14F-IDC
SerVend dispensers					
MDH-302	1086 (42.75)	787 (31.0)	820 (32.38)	HTS44SC-10 (F or B)†	HTS44SC-14 (F or B)†
MDH-402	1524 (60.00)	775 (30.5)	820 (32.38)	RIDE models only	RIDE models only

*All approved dispensers can be filled with a RIDE model Horizon ice machine without a top kit.

† Requires minimum 12.7 mm (1/2") clearance between back of dispenser and wall.

** Net height after installation of top kit (excluding height of ice machine).