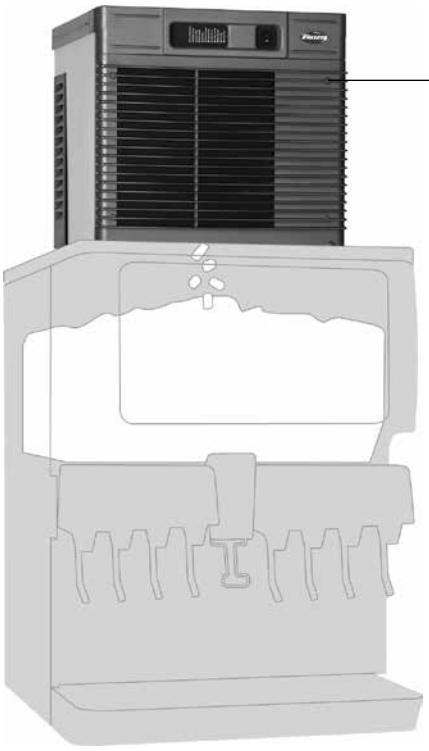
Maestro Plus™

ice machine for foodservice applications



Model MCD425AHT on countertop ice and beverage dispenser, supplied by others

Model configurations			
Ice type	For use with[1]	Condenser	**Item number**
Chewblet	**ice and beverage dispenser (by others)**	air	**MCD425AHT†**
		water	**MCD425WHT**
	ice storage bin	air	**MCD425ABT†**
		water	**MCD425WBT**
Flake	**ice storage bin**	air	**MFD425ABT†**
		water	**MFD425WBT**

† ENERGY STAR® certified
[1] Ordered separately

Features

Maestro Plus ice machine with up to 425 lb (193.0 kg) daily production of consumer preferred Chewblet® or flake ice.

High performance Maestro Plus ice machines
- compact, reliable ice machine for top mount installation
- stainless steel evaporator, auger and top bearing
- oversized, heavy duty, tapered roller bearing ensures long low-maintenance life
- automatic self-flushing of ice machine removes impurities
- no noisy harvest cycles means quiet ice production

Lower utility bills
- energy-efficient, no costly defrost cycles
- meets 2018 Department of Energy regulations
- 40% less water than comparable capacity cube machines

Maintenance and service benefits
- cleaning and sanitizing of entire machine takes less than 1 hour
- LED control board provides at-a-glance machine status

Consumer-preferred Chewblet ice (MCD models)
- preferred over cubes by more than 2:1[1]
- easy to chew
- more reliable dispensing than nugget or pellet ice
- slow melting, maintains drink temperature and quality, comparable to cubes
- higher displacement than cube ice

Flake ice (MFD models) is perfect for foodservice and grocery displays
- cradles fish and vegetables without bruising
- securely supports salad bar containers without tipping

Installation flexibility
- Harmony™ kits allow ice machine to be top mounted on most ice and beverage dispensers
- Harmony kits install without any alteration to dispenser (kit includes stainless steel top)
- compatible with over 20 of Follett's ice storage bins

Warranty
- 3 years parts and labor, 5 years compressor parts

[1] Consumer study conducted by independent agency Roper ASW.

Job

Item

801 Church Lane | Easton, PA 18040, USA
1.800.523.9361 | 1.610.252.7301 | follettice.com

FOLLETT®

Accessories

SafeCLEAN Plus™ ice machine cleaner, carton of 24 x 8 oz bottles (item# 01149962)

Nu-Calgon IMS-III sanitizer, 16 oz bottle (item# 00979674)

Water filters (refer to form #9905)

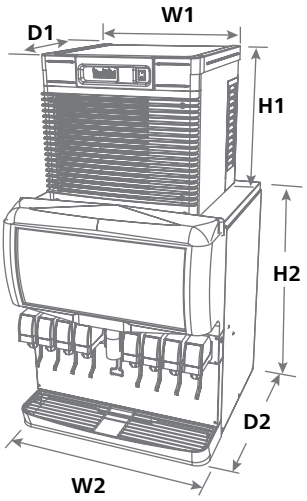
Additional Maestro Plus accessories (refer to price list)

Specification for ice and beverage dispenser top mount ice machines

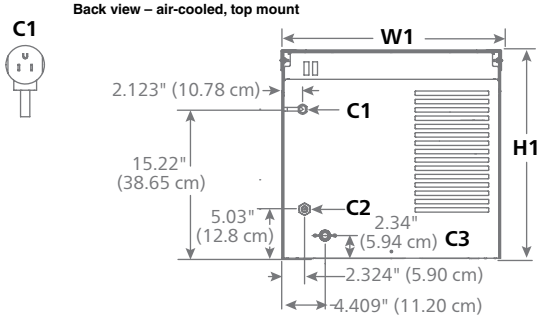
W1 Width	22.70" (57.7 cm) fits on 22.00" wide dispensers
D1 Depth	24.25" (61.6 cm)
H1 Height	21.25" (54.0 cm)
Service clearance	12.00" (30.5 cm) top - no front obstructions 6.00" (15.24 cm) on exhaust side (left, right and rear)
C1 Electrical 115 V/60/1	11 amps, 0.8 kW 15 amp circuit 7' (2 m) cord, NEMA 5-15 plug
C2 Water inlet	3/8" FPT, installation of an in line water filtration system is recommended
C3 Drain	3/4" MPT water-cooled models require separate condenser drains
Water-cooled ice machine connections	**C4** – 3/8" FPT condenser inlet **C5** – 3/8" FPT condenser drain
Refrigerant	R404a
Air temperature	50 -100 F (10 - 38 C)
Water temperature	45 - 90 F (7 - 32 C)
Potable water pressure	10 - 70 psi (69 - 483 kPa)
Condenser water pressure	10 - 125 psi (69 - 861 kPa)
Ice production at 70 F (21 C) air, 50 F (10 C) water	air-cooled models – 425 lb (193.0 kg) water-cooled models – 443 lb (201.1 kg)
Ice production at 90 F (32 C) air, 70 F (21 C) water	air-cooled models – 325 lb (147.6 kg) water-cooled models – 372 lb (169.0 kg)
Energy consumption 90 F (32 C) air; 70 F (21 C) water	air-cooled models – 5.4 kWh water-cooled models – 5.0 kWh per 100 lb (45.4 kg) ice
Heat rejection	air-cooled models – 5,000 BTU/hr water-cooled models – 1,400 BTU/hr to air, 3,600 BTU/hr to water
Water consumption	12.0 gal (45.4 L) of potable water per 100 lb (45.4 kg) of ice (per AHRI test standards). 12.5 gal (47.3 L) at standard flush setting.
Water flow requirement for water-cooled condensers	0.25 gpm at 50 F (10 C) 0.5 gpm at 70 F (21 C) 1.25 gpm at 90 F (32 C)
Approximate ship weight	160 lb (73 kg)
NOTE: For indoor use only	

SHORT FORM SPECIFICATION: Ice machine to be Follett model number _____. Ice machine to be _____air- or _____water-cooled. Ice machine production to be approximately 425 lb (193.0 kg) per day of Chewblet ice at air temperature of 70 F (21 C), water temperature of 50 F (10 C). Ice machine to use environmentally responsible R404a refrigerant. Ice machine to have stainless steel evaporator, auger and top bearings, heavy-duty tapered roller bearing, and low-water safety circuit. NSF and ETL listed.

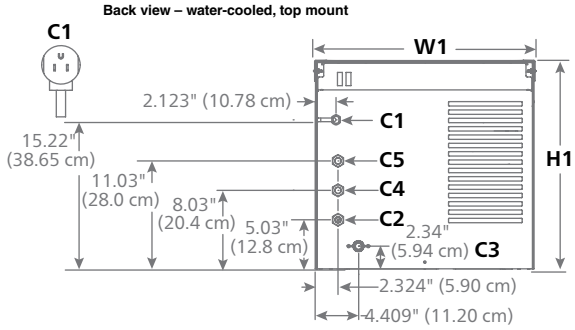
Dimensional drawing



Back view – air-cooled, top mount



Back view – water-cooled, top mount



Manufacturer/ Model number	W2 = Width in (cm)	D2 = Depth in (cm)	H2 [1] = Height in (cm)	Harmony top kit
Coca-Cola dispensers				
Freestyle 7000 [2,3]	30.10 (76.5)	33.11 (84.1)	47.00 (119.4)	MTF30SCP
Freestyle 9000 [2]	25.50 (64.8)	35.50 (90.2)	73.75 (187.3)	MTF24SCP
Freestyle 9100 [2]	25.50 (64.8)	39.25 (99.7)	77.25 (196.2)	MTF26SCP
Cornelius dispensers				
DB/DF/ED150 series	22.00 (55.9)	30.0 (76.2)	34.38 (87.3)	MTC22SCP
DB/DF/ED175 series	24.50 (62.2)	30.0 (76.2)	34.38 (87.3)	MTC24SCP
DB/DF/ED200 series	30.00 (76.2)	30.0 (76.2)	34.38 (87.3)	MTC30SCP
DB/DF/ED250 series	30.00 (76.2)	30.0 (76.2)	38.38 (97.5)	MTC30SCP
Lancer dispensers				
4500-22N, FS-22N	22.00 (55.9)	30.50 (77.5)	36.50 (92.7)	MTL22SCP
4500-30N	30.00 (76.2)	30.50 (77.5)	36.50 (92.7)	MTL30SCP
FS-30N	30.00 (76.2)	30.50 (77.5)	42.13 (107.0)	MTL30SCP
Lancer Sensation	30.00 (76.2)	31.00 (78.7)	38.25 (97.2)	MTL30SCP
Lancer Touchpoint	32.50 (82.6)	33.70 (85.6)	40.00 (101.6)	MTL30SCP
Pepsi dispensers				
Spire 3.0	27.00 (68.6)	35.00 (88.9)	38.12 (96.8)	MTP24SCP
Spire 5.0 / 4.1	30.50 (77.5)	36.00 (91.4)	42.75 (108.6)	MTP30SCP

[1] Net height after installation of top kit.
[2] Consult with Coca-Cola and Follett to qualify application prior to ordering.
[3] Top adapter 46412 and ice kit 46430 must also be ordered from Coca-Cola.

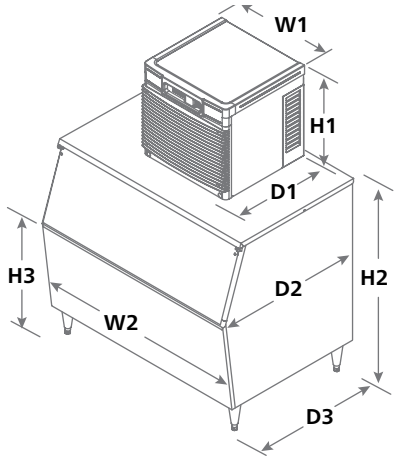
Specification for bin top mount ice machines

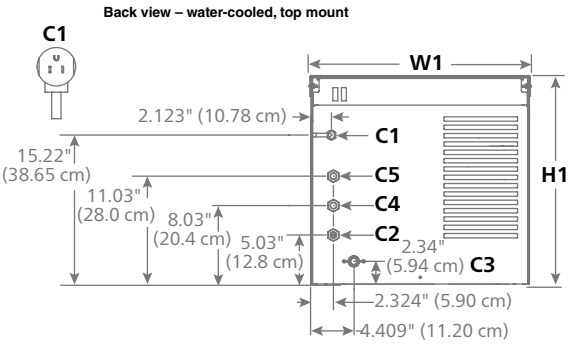
W1 Width	22.70" (57.6 cm) fits on 22.00" wide dispensers or bins
D1 Depth, ice machine	24.25" (61.6 cm)
D2 Depth, bin	31.50" (80.0 cm)
H1 Height	21.25" (54.0 cm)
Service clearance	12.00" (30.5 cm) top - no front obstructions 6.00" (15.24 cm) on exhaust side (left, right and rear)
C1 Electrical 115 V/60/1	11 amps, 0.8 kW 15 amp circuit 7' (2 m) cord, NEMA 5-15 plug
C2 Water inlet	3/8" FPT, installation of an in line water filtration system is recommended
C3 Drain[1]	3/4" MPT water-cooled models require separate condenser drains
Water-cooled ice machine connections	**C4** – 3/8" FPT condenser inlet **C5** – 3/8" FPT condenser drain
Refrigerant	R404a
Air temperature	50 -100 F (10 - 38 C)
Water temperature	45 - 90 F (7 - 32 C)
Potable water pressure	10 - 70 psi (69 - 483 kPa)
Condenser water pressure	10 - 125 psi (69 - 861 kPa)
Chewblet, ice production at 70 F (21 C) air, 50 F (10 C) water	air-cooled models – 425 lb (193.0 kg) water-cooled models – 443 lb (201.1 kg)
Chewblet ice production at 90 F (32 C) air, 70 F (21 C) water	air-cooled models – 325 lb (147.6 kg) water-cooled models – 372 lb (169.0 kg)
Flake ice production at 90 F (32 C) air, 70 F (21 C) water	water-cooled models – 515 lb (234 kg)
Chewblet energy consumption 90 F (32 C) air, 70 F (21 C) water	air-cooled models – 5.4 kWh water-cooled models – 5.0 kWh per 100 lb (45 kg) ice
Flake energy consumption 90 F (32 C) air, 70 F (21 C) water	water-cooled models – 6.2 kWh per 100 lb (45 kg) ice
Heat rejection	air-cooled models – 5,000 BTU/hr water-cooled models – 1,400 BTU/hr to air, 3,600 BTU/hr to water
Water consumption, Chewblet and flake ice	12.0 gal (45.4 L) of potable water per 100 lb (45.4 kg) of ice. 12.5 gal (47.3 L) at standard flush setting.
Water flow requirement for water-cooled condensers	0.25 gpm at 50 F (10 C) 0.5 gpm at 70 F (21 C) 1.25 gpm at 90 F (32 C)
Approximate ship weight	160 lb (73 kg)

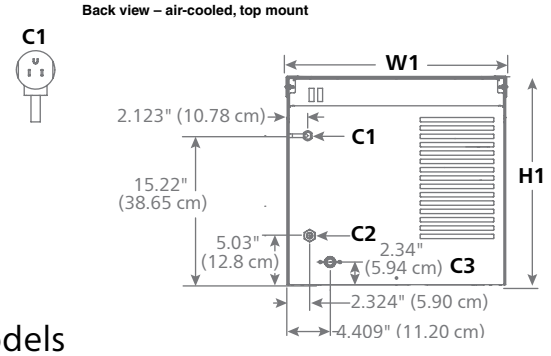
NOTE: For indoor use only

SHORT FORM SPECIFICATION: Ice machine to be Follett model number _____. Ice machine to be _____ air- or _____water-cooled. Ice machine production to be approximately 425 lb (193.0 kg) per day of _____ Chewblet ice or _____ flake ice. Ice machine to use environmentally responsible R404a refrigerant. Ice machine to have stainless steel evaporator, auger and top bearings, heavy-duty tapered roller bearing, and low-water safety circuit. NSF and ETL listed.

Dimensional drawing







Configure your ice machine with the following bin models

Slope front bin model[1]	Maximum bin capacity lb (kg)	Cubic Volume cu ft (m)	Width - **W2** in (cm)	Depth - **D3** in (cm)	Height - **H2** in (cm)	Door Sill Height - **H3** in (cm)	Required door access in (cm)	Approx. ship weight lb (kg)
300-22[2]	300 (136)	9.6 (0.27)	22.00 (55.9)	29.50 (74.9)	40.00 (101.6)	26.00 (66.0)	23.00 (58.4)	128 (58)
425-30	430 (195)	13.8 (0.39)	30.00 (76.2)	29.50 (74.9)	40.00 (101.6)	26.00 (66.0)	31.00 (78.7)	144 (65)
650-44	660 (299)	20.8 (0.59)	44.00 (111.8)	29.50 (74.9)	40.00 (101.6)	26.00 (66.0)	32.00 (81.3)	178 (81)
950-48	950 (431)	30.1 (0.85)	48.00 (121.9)	28.25 (71.8)	50.00 (127.0)	36.00 (91.4)	32.00 (81.3)	207 (94)
1025-52	1030 (468)	32.6 (0.92)	52.00 (132.1)	28.25 (71.8)	50.00 (127.0)	36.00 (91.4)	32.00 (81.3)	217 (98)

[1] Follett recommends installation of floor drain with grate with all ice storage bins.
[2] Model 300-22 only for use with Follett Maestro Plus 425, air-cooled, ice machines.

Chewblet ice production – air-cooled

Inlet water temperature F (C)	Ambient air temperature F (C)					
	60 (16)	70 (21)	80 (27)	90 (32)	100 (38)	lb (kg) production in 24 hr
50 F (10 C)	460 (208)	425 (193)	390 (177)	355 (161)	320 (145)	
60 F (16 C)	438 (198)	405 (184)	373 (169)	340 (154)	308 (139)	
70 F (21 C)	415 (188)	385 (190)	355 (173)	325 (147)	295 (134)	
80 F (27 C)	405 (184)	375 (170)	345 (156)	315 (142)	285 (129)	
90 F (32 C)	395 (179)	365 (166)	335 (152)	305 (138)	275 (125)	

Chewblet ice production – water-cooled

Inlet water temperature F (C)	Condenser water temperature F (C)						
	50 (10)	60 (16)	70 (21)	80 (27)	90 (32)	100 (38)	lb (kg) production in 24 hr
50 F (10 C)	486 (220)	465 (211)	443 (201)	422 (191)	400 (181)	389 (176)	
60 F (16 C)	464 (210)	445 (202)	425 (193)	406 (184)	386 (175)	367 (166)	
70 F (21 C)	443 (201)	425 (193)	408 (185)	390 (177)	372 (169)	358 (162)	
80 F (27 C)	422 (191)	406 (184)	389 (176)	373 (169)	356 (161)	340 (154)	
90 F (32 C)	400 (181)	385 (175)	371 (168)	356 (161)	341 (155)	326 (148)	

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