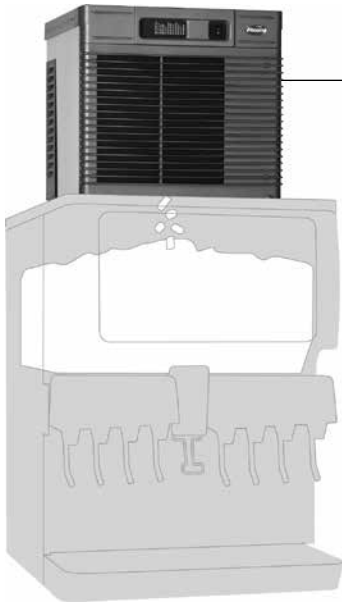


# Maestro Plus™

Chewblet® and flake ice machines



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



Model MCD425ABT shown

## 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<sup>1</sup>
- 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)

- high surface area chills quickly, maintains products at desired temperature
- molds well, securely holds containers without slipping
- shields products against damage in displays

### Installation flexibility

- top kits allow ice machine to be top mounted on most ice and beverage dispensers
- top 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<sup>2</sup>

<sup>1</sup> Consumer study conducted by independent agency Roper ASW.

<sup>2</sup> Refer to price list for additional warranty information.

| Model configurations |                                        |           |             |
|----------------------|----------------------------------------|-----------|-------------|
| Ice type             | For use with <sup>1</sup>              | 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

<sup>1</sup> Ordered separately

## 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 )

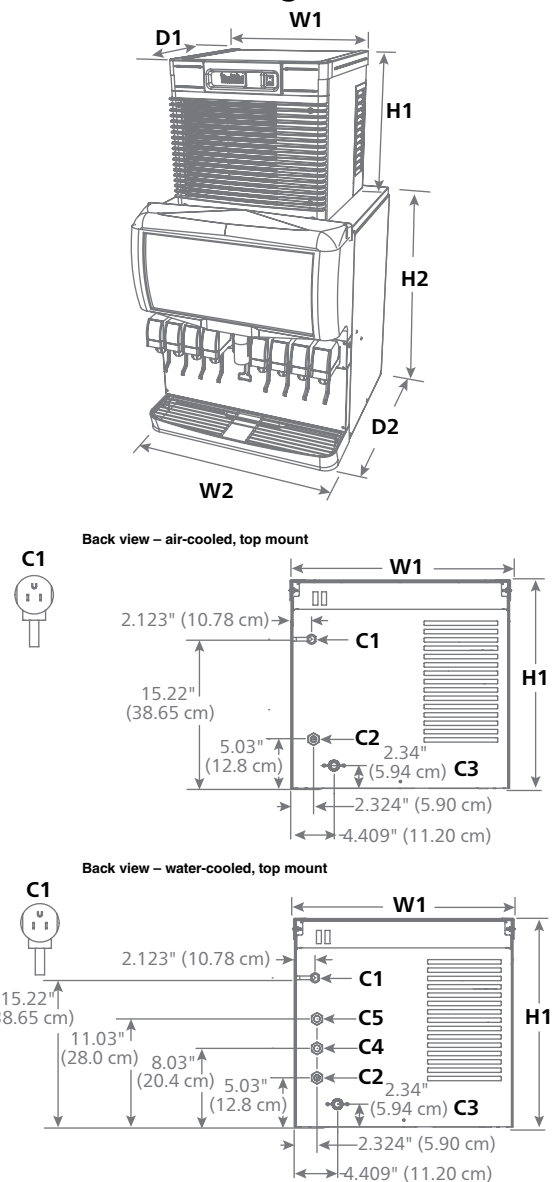
Additional Maestro Plus accessories (refer to price list)

## Specification for ice and beverage dispenser top mount ice machines

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



| Manufacturer/<br>Model number | W2 = Width<br>in (cm) | D2 = Depth<br>in (cm) | H2 <sup>1</sup> = Height<br>in (cm) | Top kit  |
|-------------------------------|-----------------------|-----------------------|-------------------------------------|----------|
| <b>Coca-Cola dispensers</b>   |                       |                       |                                     |          |
| Freestyle 7000 <sup>2,3</sup> | 30.10 (76.5)          | 33.11 (84.1)          | 47.00 (119.4)                       | MTF30SCP |
| Freestyle 7100 <sup>2,4</sup> | 30.00 (76.2)          | 33.80 (88.8)          | 47.00 (119.4)                       | MTF30SCP |
| Freestyle 9000 <sup>2</sup>   | 25.50 (64.8)          | 35.50 (90.2)          | 73.75 (187.3)                       | MTF24SCP |
| Freestyle 9100 <sup>2</sup>   | 25.50 (64.8)          | 39.25 (99.7)          | 77.25 (196.2)                       | MTF26SCP |
| <b>Cornelius dispensers</b>   |                       |                       |                                     |          |
| 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 |
| <b>Lancer dispensers</b>      |                       |                       |                                     |          |
| 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 |
| <b>Pepsi dispensers</b>       |                       |                       |                                     |          |
| 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 |

<sup>1</sup> Net height after installation of top kit.

<sup>2</sup> Consult with Coca-Cola and Follett to qualify application prior to ordering.

<sup>3</sup> Top adapter IC Code 46412 and ice kit IC Code 46430 must also be ordered from Coca-Cola.

<sup>4</sup> Top adapter IC Code 46753 and ice kit IC Code 46430 must also be ordered from Coca-Cola.

Maestro Plus top mount

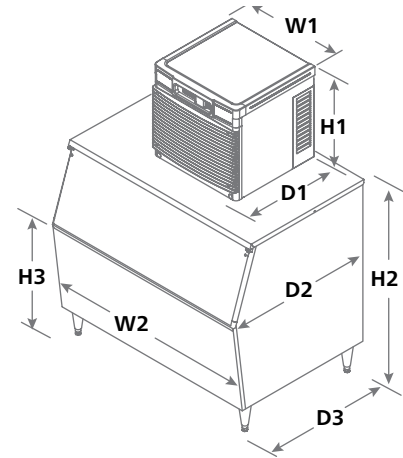
## Specification for bin top mount ice machines

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

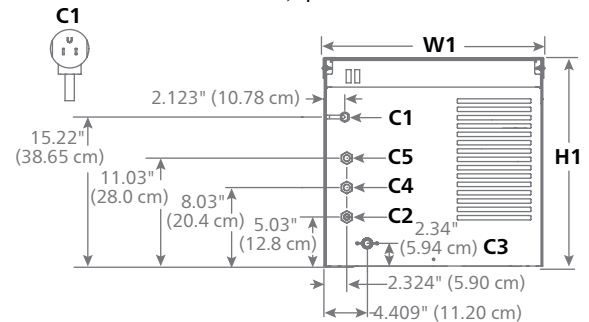
NOTE: For indoor use only

SHORT FORM SPECIFICATION: Ice machine to be Follett model number \_\_\_\_\_. Ice machine to be \_\_\_\_\_ air- or \_\_\_\_\_ water-cooled and produce 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.

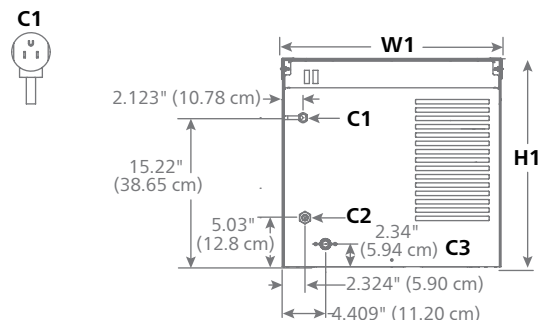
## Dimensional drawing



Back view – water-cooled, top mount



Back view – air-cooled, top mount



## Configure your ice machine with the following slope front bin models

| Model <sup>1</sup> | 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) |
|--------------------|------------------------------|------------------------|--------------------|--------------------|---------------------|-------------------------------|------------------------------|-----------------------------|
| 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)                    |

<sup>1</sup> Follett recommends installation of floor drain with grate with all ice storage bins.

## Chewblet ice production – air-cooled

| Inlet water temperature<br>F (C) | Ambient air temperature F (C) |           |           |           |           | lb (kg) production in 24 hr |
|----------------------------------|-------------------------------|-----------|-----------|-----------|-----------|-----------------------------|
|                                  | 60 (16)                       | 70 (21)   | 80 (27)   | 90 (32)   | 100 (38)  |                             |
| 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<br>F (C) | Condenser water temperature F (C) |           |           |           |           |           | lb (kg) production in 24 hr |
|----------------------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------------------------|
|                                  | 50 (10)                           | 60 (16)   | 70 (21)   | 80 (27)   | 90 (32)   | 100 (38)  |                             |
| 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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### Maestro Plus top mount

