



Manitowoc

ICE MACHINES

Quick Reference Guide



America's #1 Selling Ice Machine

Cube, Flake & Nugget Ice Machines
Ice Storage Bins • Ice Dispensers



DICE

Hard clear ice cube with unique "rhomboid" shape 7/8" x 7/8" x 7/8" (2.22 x 2.22 x 2.22 cm) in dimension, 48 cubes per pound of ice, maximum cooling with 98% ice to water ratio.

*Regular size ice cube 1-1/8 x 1-1/8 x 7/8 (2.86 x 2.86 x 2.22 cm) available for international market.



HALF DICE

Hard clear ice cube with unique "rhomboid" shape 3/8" x 1-1/8" x 7/8" (0.95 x 2.86 x 2.22 cm) in dimension, 96 cubes per pound of ice, maximum cooling with 98% ice to water ratio.



OCTAGON

Hard clear, individual ice cube with unique "octagon" shape 1-3/8" x 1-3/8" (3.49 x 3.49 cm) in dimension, maximum cooling with 98% ice to water ratio.



CRUSHED

Manitowoc half dice cubes crushed into small pieces for easy chewing and maximum cooling with 98% ice to water ratio.

*Crushed ice available in combination with Servend icepic™ dispensers.



NUGGET

SoftQube™ texture easy to chew but hard enough to be dispensed without hand scooping, 83% ice to water ratio. 3/10" x 3/10" x 1/2" (.8 x .8 x 1.3 cm) in dimension.



FLAKE

Small soft pieces of ice with a 65% ice to water ratio. Perfect for displaying products and hand scooping into drinks.



SANITATION
We've made it simple to clean

SAVINGS
The perfect balance of power and efficiency

SOUND
Designed to run whisper-quiet

SERVICEABILITY
Easy access means less downtime

EUROPEAN STYLING

Stainless steel wrap and ABS gray accents add durability and beauty.

PATENTED, CLEANING AND SANITIZING TECHNOLOGY

To simplify maintenance, Manitowoc ice machines have a built-in, exclusive, patented, technology that automatically cleans or sanitizes the water distribution system. S-models also have hinged "swing-open" front panel for quick and easy access to the food zone for cleaning.

CORROSION-FREE

Compression-molded, composite resin base enhances structural strength and is corrosion-free.

CORROSION PROTECTION

S-model ice machines have AlphaSan® molded into select plastic components to further reduce biofilm and simplify cleaning. Q and I/B model ice machines have white "poly-clad" steel interior to protect metal from corrosive elements.



BEST IN CLASS

Manitowoc, America's #1 selling ice machine, received for the **eighth consecutive year**, the designation of "Best in Class" in the Ice Makers category by foodservice equipment dealers, consultants and operators in a survey sponsored by Foodservice Equipment and Supplies magazine. The annual survey conducted to gather



industry data gives professional recognition to foodservice equipment manufacturers who best satisfy the needs of dealers, consultants and operators in areas of product quality and support.

AMERICA'S #1 SELLING ICE MACHINES



**America's #1 selling ice machine
makes it easy to be green.**



The EnerLogic™ program helps operators conserve energy and maximize profits. Look for our EnerLogic™ mark and you'll know you're getting the most from every energy dollar spent on Manitowoc foodservice equipment. This program incorporates a combination of

third-party standards, including meeting or exceeding California Energy Commission rebate standards, or meeting criteria outlined by the Federal Energy Management Program, including those that:

- Incorporate new energy-saving technology
- Involve renewable energy
- Demonstrate water efficiency and/or
- Feature sustainable design and operations



Less Energy. Less Water.

Manitowoc Ice Machines earn the ENERGY STAR®

Commercial ice machines that have earned the ENERGY STAR are on average 15% more energy efficient and 10% more water efficient than standard models. Manitowoc Ice leads the way with dozens of qualifying ice machines that meet and exceed ENERGY STAR guidelines.

Visit www.manitowocice.com/energystar for a complete list of Manitowoc's ENERGY STAR qualified ice machines.

ICE USAGE GUIDE

	Approximate
Foodservice	Ice Cube Needs Per Day
Restaurant	1-1/2 lbs .68 kgs per person
Cocktail	3 lbs 1.4 kgs per person/seat
Water Glass	4 oz 118 ml per 10 oz 296 ml glass
Salad Bar	30 lbs 13.6 kgs per cubic foot
Fast Food	5 oz 148 ml per 7-10 oz 207-296 ml drink
	8 oz 237 ml per 12-16 oz 355-473 ml drink
	12 oz 355 ml per 18-24 oz 532-710 ml drink

Lodging

Guest Ice	5 lbs 2.7 kgs per room
Restaurant	1-1/2 lbs .68 kgs per person/seat
Cocktail	3 lbs 1.4 kgs per person/seat
Catering	1 lb .45 kgs per person

Convenience Store

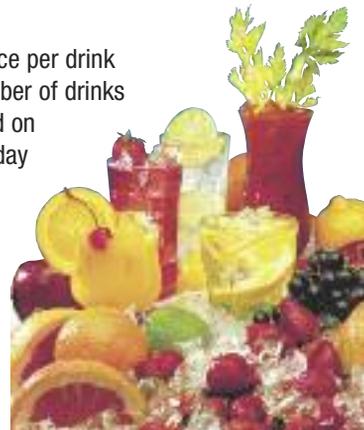
Beverage	6 oz 177 ml per 12 oz 355 ml drink
	10 oz 296 ml per 20 oz 591 ml drink
	16 oz 473 ml per 32 oz 946 ml drink
Cold Plate	50% more ice per day
Packaged Ice	lbs per bag x bags sold per day

Healthcare

Cafeteria.....	1 lb .45 kgs per person
Patient Ice	SN12: Up to 20 beds

Beverage Service

Drinks	40% ice per drink
	x number of drinks
	served on
	peak day





SM50

The SM50 is a compact, small capacity, under counter ice machine, designed for use in business settings. It is the ideal ice machine for the boardroom, conference rooms, or business lunch areas. The unit is designed to be installed into a standard 15" 38 cm cabinet opening or can be free-standing. Features include a multi-function control panel with unique "delay-start mode", lighted and over-sized bin opening, and a built-in innovative water filtration system. Produces individual octagon shape cube.



OCTAGON



SM50

Ice Production*	53 lbs 24 kgs
Ice Storage	25 lbs 11 kgs
Height	33.50" 85.0 cm
Width	14.75" 37.5 cm
Depth	22.75" 57.8 cm

*Pounds produced per day. Approximate ice-making capacity based on air-cooled condenser unit at 70°F/21°C air and 50°F/10°C water.

CUBE ICE



THE LITTLE GUYS

These compact ice cube machines are ideal for small-volume ice production, for limited-use needs, or as back-ups for larger machines. Specifically designed to fit beneath counters or in areas where floor space or height restrictions prohibit use of larger equipment. The petite size makes any of these models ideal for on-the-spot installations at coffee shops, stadium boxes, refreshment break areas, or wherever limited ice needs require equipment with a small footprint.



DICE



HALF DICE



	QM30	QM45	Q-130	Q-210	Q-270	S-300¹ B-170 Bin
Ice Production*	65 lbs 30 kgs	95 lbs 43 kgs	130 lbs 59 kgs	215 lbs 98 kgs	280 lbs 127 kgs	340 lbs 154 kgs
Ice Storage	30 lbs 14 kgs	30 lbs 14 kgs	80 lbs 36 kgs	80 lbs 37 kgs	100 lbs 45 kgs	150 lbs 68 kgs
Height with Bin	36.00" 91.4 cm	36.00" 91.4 cm	38.50" 97.8 cm	38.50" 97.8 cm	38.50" 97.8 cm	41.50" 105.4 cm
Width	19.69" 50 cm	19.69" 50 cm	26.00" 66 cm	26.00" 66 cm	30.00" 76.2 cm	30.00" 76.2 cm
Depth with Bin	22.34" 56.7 cm	22.34" 56.7 cm	26.50" 67.3 cm	26.50" 67.3 cm	28.16" 71.5 cm	29.50" 74.9 cm

*Pounds produced per day. Approximate ice-making capacity based on air-cooled condenser unit at 70°F/21°C air and 50°F/10°C water.
¹S-300 and B-170 ordered separately.

CUBE ICE



ONLY 22" 55.9 cm WIDE

Use these slender 22" 55.9 cm wide models to save valuable floor space. S-Series 320 produces up to 340 lbs 154 kgs of ice per day and the S-Series 420 up to 460 lbs 209 kgs. Choose either the 22" 55.9 cm wide ice storage bin or match the ice machine with a 22" 55.9 cm floor-standing ice dispenser or adapt it to numerous countertop ice and beverage dispenser models.



DICE



HALF DICE



**S-322
B-320 Bin**

**S-422
B-420 Bin**

Ice Production*	340 lbs 154 kgs	460 lbs 209 kgs
Ice Storage	210 lbs 95 kgs	310 lbs 140 kgs
Height with Bin	59.50" 1511 cm	71.50" 181.6 cm
Width	22.00" 55.9 cm	22.00" 55.9 cm
Depth with Bin	34.00" 86.4 cm	34.00" 86.4 cm

*Pounds produced per day. Approximate ice-making capacity based on air-cooled condenser unit at 70°F/21°C air and 50°F/10°C water. Ice machine and bin ordered separately.

CUBE ICE

30" 76.2 cm WIDE

Ideal for restaurants, hotels, motels, and a wide variety of commercial applications, the 30" 76.2 cm wide ice machine is the most popular size for mounting on storage bins, countertop dispensers, or floor-standing dispensers to serve medium to high production ice needs in a minimal amount of floor space. Available with air, water, or remote air-cooled condensing system. Modular ice storage bins allow customers to select the ice capacity bin best suited to their application.



DICE



HALF DICE



**S-450
B-400 Bin**



**S-500
B-400 Bin**



**S-600
B-570 Bin**



**S-850
B-570 Bin**



**S-1000
B-570 Bin**



**S-1200
B-570 Bin**

Ice Production*	460 lbs 209 kgs	560 lbs 254 kgs	650 lbs 295 kgs	940 lbs 426 kgs	1,050 lbs 476 kgs	1,205 lbs 547 kgs
Ice Storage	290 lbs 132 kgs	290 lbs 132 kgs	430 lbs 195 kgs	430 lbs 195 kgs	430 lbs 195 kgs	430 lbs 195 kgs
Height with Bin	59.50" 151.1 cm	59.50" 151.1 cm	71.50" 181.6 cm	76.50" 194.3 cm	76.50" 194.3 cm	79.50" 201.9 cm
Width	30.00" 76.2 cm	30.00" 76.2 cm				
Depth with Bin	34.00" 86.4 cm	34.00" 86.4 cm				

CUBE ICE

*Pounds produced per day. Approximate ice-making capacity based on air-cooled condenser unit at 70°F/21°C air and 50°F/10°C water. Ice machine and bin ordered separately.



48" 121.9cm WIDE

48" 121.9 cm ice machine models are perfect for fast-food outlets, full-service restaurants, institutional kitchens, cafeterias, and other foodservice operations requiring continuous large-volume ice production. Available with air, water or remote air-cooled condensing system. Q-1800 model (not shown) has stack-on capability and is available as a water or remote-air-cooled condensing system only. Choose companion 48" 121.9 cm wide B-970 ice storage bin or adapt to larger capacity B-1100 or B-1400 storage bin.



DICE



HALF DICE



**S-1400
B-970 Bin**



**S-1600
B-970 Bin**



**S-3300
B-1400 Bin**

	S-1400 B-970 Bin	S-1600 B-970 Bin	S-1800 B-970 Bin	S-3300 B-1400 Bin
Ice Production*	1,450 lbs 658 kgs	1,690 lbs 889 kgs	1,880 lbs 853 kgs	3,380 lbs 1533 kgs
Ice Storage	710 lbs 322 kgs	710 lbs 322 kgs	710 lbs 322 kgs	1,416 lbs 642 kgs
Height with Bin	76.50" 194.3 cm	79.50" 201.9 cm	79.50" 201.9 cm	91.00" 231.2 cm
Width	48.00" 121.9 cm	48.00" 121.9 cm	48.00" 121.9 cm	48.00" 121.9 cm <small>WITHOUT BIN</small> 152.4 cm 60.00" 121.9 cm <small>WITH BIN</small>
Depth with Bin	34.00" 86.4 cm	34.00" 86.4 cm	34.00" 86.4 cm	34.00" 86.4 cm

*Pounds produced per day. Approximate ice-making capacity based on air-cooled condenser unit at 70°F/21°C air and 50°F/10°C water. Ice machine and bin ordered separately.



QUIETQUBE® "Remove The Noise!"

75% quieter than a self-contained or standard remote ice machine. Our patented CVD technology uses cool vapor rather than hot gas to harvest ice. It not only makes QuietQube ice machines the quietest ever; it makes them more reliable, makes them more efficient, and provides high levels of ice production too. Consider how much noise customers and employees face in your operation... and how much more inviting your operation will be with a quiet ice machine.



DICE



HALF DICE



CVD Condensing Unit***

	S600C	S850C	S1000C	S1200C	S1470C	S-1870C	S-2170C**
Ice Production*	650 lbs 295 kgs	815 lbs 370 kgs	990 lbs 449 kgs	1,100 lbs 499 kgs	1,400 lbs 635 kgs	1,825 lbs 826 kgs	1,990 lbs 903 kgs
Height	21.50" 54.6 cm	26.50" 67.3 cm	26.50" 67.3 cm	29.50" 74.9 cm	25.00" 63.5 cm	29.50" 54.6 cm	29.50" 54.6 cm
Width	30.00" 76.2 cm	30.00" 76.2 cm	30.00" 76.2 cm	30.00" 76.2 cm	30.00" 76.2 cm	30.00" 76.2 cm	30.00" 76.2 cm
Depth	24.50" 62.2 cm	24.50" 62.2 cm	24.50" 62.2 cm	24.50" 62.2 cm	24.50" 62.2 cm	24.50" 62.2 cm	24.50" 62.2 cm

*Pounds produced per day. Approximate ice-making capacity based on air-cooled condenser unit at 70°F/21°C air and 50°F/10°C water. Ice machine and bin ordered separately.

**Currently not available in Canada.

***CVD Condenser for S-600C to S1470C 34" W x 24.13" D x 25.75" H 86.4 x 61.3 x 65.4 cm
CVD Condenser for S-1870C & S-2170C 53" W x 26" D x 25.75" H 134.6 x 66.0 x 65.4 cm

CUBE ICE



ICE/BEVERAGE SERIES

Narrow 14" 35.6 cm deep Ice/Beverage Series ice machine provides the operator with easy access to the beverage dispenser for cleaning, sanitizing, and maintenance. This unique capability is made possible by Manitowoc's patented CVD technology which results in an extremely compact design and allows the ice machine to operate with virtually no noise or heat exhaust. Unit can be installed to almost any beverage dispenser (adapter required).



DICE



HALF DICE

Ice machine and dispenser ordered separately



Ice/Beverage Series on Servend Beverage Dispenser

	IB-600	IB-800	IB-1000
Ice Production*	635 lbs 288 kgs	795 lbs 361 kgs	1,000 lbs 454 kgs
Height	24.00" 61 cm	26.50" 67.3 cm	30.50" 77.5 cm
Width	22.00" 55.9 cm	22.00" 55.9 cm	22.00" 55.9 cm
Depth	14.00" 35.6 cm	14.00" 35.6 cm	14.00" 35.6 cm

*Pounds produced per day. Approximate ice-making capacity based on air-cooled condenser unit at 70°F/21°C air and 50°F/10°C water. Ice machine and bin ordered separately.

CUBE ICE



Ice machine and dispenser ordered separately

ICE DISPENSERS

These automatic-fill, floor-standing ice dispensers meet the strict sanitary



Room Card



Coin-op

needs of the lodging, foodservice, and healthcare industries. Providing daily ice production up to 940 lbs 426 kgs, these high-volume dispensers feature a patented “push for ice” dispense mechanism and paddlewheel ice delivery technology.

Attractively styled to complement any décor. Available with room card or coin option for ice activation.



DICE



HALF DICE



**S-322
SFA-191**



**S-322
SPA-160**



**S-450
SFA-291**



**S-450
SPA-310**

Ice Storage	120 lbs 54 kgs	120 lbs 54 kgs	180 lbs 82 kgs	180 lbs 82 kgs
Height with Dispenser	75.50" 191.8 cm	75.50" 191.8 cm	82.00" 208.3 cm	82.00" 208.3 cm
Width	22.00" 55.9 cm	22.00" 55.9 cm	30.00" 76.2 cm	30.00" 76.2 cm
Depth with Dispenser	31.00" 78.7 cm	31.00" 78.7 cm	32.00" 81.3 cm	32.00" 81.3 cm

Ice machine and dispenser ordered separately.

CUBE ICE



NUGGET ICE



NUGGET

Small nugget type ice is approximately 3/10" x 3/10" x 1/2" .8 x .8 x 1.3 cm with a softer, chewable texture. SoftQube™ texture makes this nugget ice easy to chew but hard enough to be dispensed without hand-scooping, 83% ice to water ratio.

SN countertop nugget ice maker and dispenser delivers the largest daily ice production levels and storage capacities within the smallest footprint. Dispensing functions include: ice only, water only, or ice and water. Choose one-hand activation arm or touchless dispensing. Features include a lighted dispense chute, 10.50" 26.7 cm clearance and large drain pan.

**Countertop
Ice Maker
& Dispenser**



SN-12

Ice Production*	325 lbs 147 kgs
Ice Storage	12 lbs 5 kgs
Height with Bin	35.00" 89.9 cm
Width	16.25" 41.3 cm
Depth with Bin	24.00" 61 cm

*Pounds produced per day. Approximate ice-making capacity based on air-cooled condenser unit at 70°F/21°C air and 50°F/10°C water. Ice machine and bin ordered separately.

**Bin adapter required.

NUGGET ICE



FLAKE ICE

Flake ice is small hard bits of ice ideally suited for any “contact” presentation. It forms completely around the contact item and cools quickly. No matter what type of application you have for flake ice, Manitowoc is there to serve your need.

Manitowoc flake ice machine models also include built-in patented cleaning and sanitizing technology.



FLAKE



QF-400

Ice Production*	395 lbs 179 kgs
Ice Storage	60 lbs 27 kgs
Height with Bin	38.50" 97.8 cm
Width	26.00" 66 cm
Depth with Bin	26.50" 67.3 cm

*Pounds produced per day. Approximate ice-making capacity based on air-cooled condenser unit at 70°F/21°C air and 50°F/10°C water. Ice machine and bin ordered separately.

**Bin adapter required.

FLAKE ICE

ICE STORAGE BINS

Internal scoop holder stays above ice line, promoting easy access and better sanitation. Bin door holds open while in use via a patented hinge pin design.

PVC BASE MOLDING

Protects metal from dents and scratches when cleaning beneath bin.



B-model bin leg



B-170



B-320



B-400



B-420



B-570



B-970

	B-170	B-320	B-400	B-420	B-570	B-970
Ice Storage	150 lbs 68 kgs	210 lbs 95 kgs	290 lbs 132 kgs	310 lbs 141 kgs	430 lbs 195 kgs	710 lbs 322 kgs
Height	25.00" 63.5 cm	38.00" 96.5 cm	38.00" 96.5 cm	50.00" 127 cm	50.00" 127 cm	50.00" 127 cm
Width	30.00" 76.2 cm	22.00" 55.9 cm	30.00" 76.2 cm	22.00" 55.9 cm	30.00" 76.2 cm	48.00" 121.9 cm
Depth	29.50" 74.9 cm	34.00" 86.4 cm	34.00" 86.4 cm	34.00" 86.4 cm	34.00" 86.4 cm	34.00" 86.4 cm

Ice machine and adapters ordered separately.



LARGE CAPACITY BINS

B-Style large capacity ice storage bins are equipped with an ice gate for increased employee safety, easier ice removal, and reduced spillage. Limited lifetime warranty on bin liner, base, and poly snout. 3-year parts-and-labor warranty on remainder of bin.



B-750 Bin



	B-750	B-1100	B-1400
Ice Storage	748 lbs 339 kgs	1,114 lbs 505 kgs	1,416 lbs 642 kgs
Height	57.00" 144.8 cm	56.00" 142.2 cm	56.00" 142.2 cm
Width	30.00" 76.2 cm	48.00" 121.9 cm	60.00" 152.4 cm
Depth	34.00" 86.4 cm	34.00" 86.4 cm	34.00" 86.4 cm

Ice machine and adapters ordered separately.



ARCTIC PURE® WATER FILTER WITH QUICK DISCONNECT DESIGN

Conditions incoming water, reduces machine cleaning frequency and service costs, maximizes equipment performance, and improves ice quality. Features include replaceable filters, and compact size. All systems carry a 3-year parts-and-labor warranty (excluding filter cartridge).

VERTICAL DISCHARGE REMOTE CONDENSERS

Remote air-cooled condenser systems improve efficiency, increase ice production, and conserve energy. Remote systems for Series 500, 600, 850, 1000, 1400, 1600 and 1800 ice machines consist of ice maker, bin, remote condenser, and interconnecting refrigerant lines. (Each ordered separately.)



ICE BAGGER

Ideal for all ice bagging retailers. Convenient, time-saving, no-mess operation. Sits on bin door frame. Bracket adapts to left or right side location. Only 10.25" W x 13.00" D x 28.75" H 26 x 33 x 73 cm.



AuCS – SI (Internal Mounting)



AuCS – SO (External Mounting)

OPTIONAL, AUTOMATIC CLEANING SYSTEM (AuCS®)

Eliminates routine maintenance. AuCS counts the number of ice-making cycles and, at a frequency you select, initiates a cleaning or sanitizing cycle...AUTOMATICALLY. Choose from 2-, 4-, or 12-week settings. AuCS-SI for S-Series 450, 500, 600, 850, 1000, 1200, 1400, 1600 and 1800 is installed inside ice machine. S-300, 322, 422 and Ice/Beverage model attaches outside machine. Available for most models.

GUARDIAN®

Manitowoc's exclusive Guardian system is patented technology that releases chlorine dioxide on a controlled basis to inhibit the growth of bacteria and fungi that form slime and cause odors in the food zone of ice machines. Available for most models.



BEVERAGE DISPENSERS

Manitowoc's sister company, Servend, offers a complete countertop self-service ice and beverage product line. Recent additions include the IcePic®, which allows the customer to choose between cube or crushed ice via a built-in ice crusher mechanism from a single ice machine placement.



CRUSHED



HALF DICE CUBE



QUALITY ASSURANCE

Before crating and shipment, every Manitowoc ice cube machine is operated for a minimum of two ice-making cycles. During this testing, inspectors record the serial number, air and water temperatures, humidity, freeze times, and harvest times as part of their final inspection. Ongoing reviews of this test data assure that Manitowoc ice machines consistently meet the highest standards of quality.

WARRANTY

Cube Ice Machine

- 5-year parts-and-labor coverage on S, Q, QQ, and IB-model ice machine evaporators.
- 5-year parts and 3-year labor coverage on S, Q, QQ, and IB-model ice machine compressor.
- 3-year parts-and-labor coverage on all dispensers, storage bins, and ice cube machines.



Nugget/Flake Ice Machine

- 2-year parts-and-labor coverage on all components.
NOTE: See Warranty Bond for exclusions.
- Additional 3-year (5-year total) parts coverage on ice machine compressor.

SN-Series Ice Machine

- 2-year parts-and-labor coverage on all components.
NOTE: See Warranty Bond for exclusions.
- Additional 3-year (5-year total) parts coverage on ice machine compressor.

QM-Series Machine

- 3-year parts-and-labor coverage on all components.

SM-Series Machine

- 3-year parts-and-labor coverage on all components.

ISO 9001:2000 QUALITY SYSTEM CERTIFIED

Quality is the #1 consideration at Manitowoc. Our company-wide commitment to quality makes us especially proud of our certification to ISO 9001:2000 quality standards and our position as North America's first ISO-certified manufacturer of ice machines.



WEB SITE

Visit us at www.manitowocice.com. The Manitowoc Ice web site is an informative and interactive site that is continually updated. Navigation pathways help educate the visitor on the many facets associated with the evaluation of an ice machine and provides a pathway for communicating with the factory and its representatives.



Man•i•to•woc (man'a-ta-wôk) home of the Great Spirit, a city in east central Wisconsin on Lake Michigan; population 32,500.



LISTINGS...



US LISTED



ENERGY STAR PARTNER



Manitowoc Foodservice
designs, manufactures and supplies
Best In Class food and beverage equipment
for the global foodservice market.
For more information, visit us today at
www.manitowocfsg.com



*We are committed to protecting the
environment and its resources. For
up-to-date product data always view
an electronic version on our web site.*



ISO 9001:2000
Quality System
Certified

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