



*Q-Model Series 1000  
Ice Machine on S-570 Bin*

## **Q-Model Series 1000 Ice Cube Machine**

- *Up to 980\* lbs. (445 kgs.) daily ice production*
- *Stackable, double daily ice production, 1,960\* lbs. (890 kgs.)*  
\*Production rating outside the scope of ARI Standard 820.
- *Only 30" (76.2 cm) wide*
- *Stainless steel exterior with the fit and finish of an appliance*
- *Rugged, corrosion-free base*
- *Patented cleaning and sanitizing technology*
- *New batch water system delivers better ice cube formation*
- *R-404A CFC-free refrigerant*
- *Warranty*
  - *5-year parts and 5-year labor coverage on ice machine evaporator*
  - *5-year parts and 3-year labor coverage on ice machine compressor*
  - *3 year parts-and-labor coverage on all other ice machine, dispenser, and storage bin components*



**ISO 9001  
Quality  
System  
Certified**

**THE RIGHT CLIMATE FOR LEADERSHIP**

**Manitowoc®**

ICE CUBE MACHINES • ICE STORAGE BINS

# Manitowoc Q-Model 1000 Series

A seamless blend of thoughtful design, new technology and rugged construction.

Model	Cube size	Ice production 24 hours		Power	
		lbs.	kgs.	kWh/100 lbs.	
QR-1000A	regular	770	350	7.4 1 <sup>ph</sup>	7.2 3 <sup>ph</sup>
QR-1001W	regular	840	381	6.4 1 <sup>ph</sup>	6.1 3 <sup>ph</sup>
QD-1002A	dice	830	377	6.9 1 <sup>ph</sup>	6.7 3 <sup>ph</sup>
QD-1003W	dice	900	409	5.9 1 <sup>ph</sup>	5.6 3 <sup>ph</sup>
QY-1004A	half-dice	830	377	6.9 1 <sup>ph</sup>	6.7 3 <sup>ph</sup>
QY-1005W	half-dice	900	409	5.9 1 <sup>ph</sup>	5.6 3 <sup>ph</sup>
REMOTE AIR-COOLED WITH JC-1095A CONDENSER					
QR-1090N	regular	790	359	7.4 1 <sup>ph</sup>	7.3 3 <sup>ph</sup>
QD-1092N	dice	850	386	6.9 1 <sup>ph</sup>	6.8 3 <sup>ph</sup>
QY-1094N	half-dice	850	386	6.9 1 <sup>ph</sup>	6.8 3 <sup>ph</sup>
Water usage/100 lbs./45.4 kgs. of ice					
Potable Water: 20.4 gallons, 77.22 liters • Water-cooled Condenser: 167 gallons, 632.2 liters					

Order ice storage bin separately. "A" or "W" following model number indicates "Air" or "Water" condensing unit. Ice storage bin and JC-1095A remote condenser must be ordered separately. Consult remote condenser specification sheet for details. To order 3 phase add "3" suffix to model # (QR-1000A3).



Certified in Accordance with ARI Automatic Commercial Ice-Cube Machines (Batch-Type) Certification Program, which is based on ARI Standard 810

## Ice Machine Electric

208-230/60/1 standard. (208-230/60/3 also available. For 230/50/1 see 50 cycle literature.)

**Min. circuit ampacity:** Air-cooled — 14.3 1<sup>ph</sup> 9.8 3<sup>ph</sup>,  
Water-cooled — 13.3 1<sup>ph</sup> 8.8 3<sup>ph</sup>, Remote — 14.2 1<sup>ph</sup> 9.9 3<sup>ph</sup>

**Max. fuse size:** Air-cooled, Water-cooled,  
Remote — 20 amps 1<sup>ph</sup> 15 amps 3<sup>ph</sup>

HACR-type circuit breakers can be used in place of fuses.

## Specifications

**BTU Per Hour:**  
16,000 (average) 24,700 (peak)

**Compressor:**  
Nominal rating: 1-3/4 HP

**Cupra-Nickel Condenser:**  
(Water-cooled models)  
Adds protection from  
corrosive water elements.

**Operating Limits:**

- Ambient Temperature Range:  
Air and water:  
35°-110°F (1.7°-43.3°C)  
Remote: -20°-120°F (-29°-49°C)

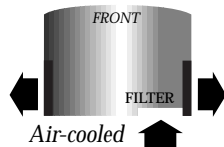
- Water Temperature Range:  
33°-90°F (0.6°-32.2°C)

- Water Pressure Ice Maker  
Water In:  
Min. 20 psi (137.9 kPa)  
Max. 80 psi (551.1 kPa)

- Condenser Inlet Water In:  
(Water cooled only)  
Min. 20 psi (137.9 kPa)  
Max. 150 psi (1,034.2 kPa)



## Air Flow Top View

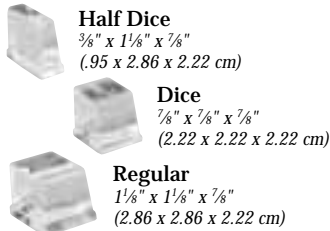


## AuCS® Accessory



AuCS®  
Automatic  
Cleaning  
System

## 3 Cube Sizes Available



24-HOUR PRODUCTION †											lbs./kgs.			
AIR-COOLED UNIT				WATER-COOLED UNIT				REMOTE AIR-COOLED UNIT						
air temp	water temp			air temp	water temp			air temp	water temp					
°F	50°	70°	90°	°F	50°	70°	90°	°F	50°	70°	90°			
°C	10°	21°	32°	°C	10°	21°	32°	°C	10°	21°	32°			
70°	980	920	870	70°	970	920	820	-20° to 70°	930	870	820			
21°	445	418	395	21°	440	418	372	-29° to 21°	422	395	372			
80°	950	880	830	80°	960	910	810	90°	906	850	800			
27°	431	400	377	27°	436	413	368	32°	411	386	363			
90°	900	830	780	90°	950	900	800	100°	860	800	750			
32°	409	377	354	32°	431	409	363	38°	390	363	341			

†Production for Dice and Half Dice cubes. Regular cube is 7% less than chart and kWh/100 lbs. increases 7%.

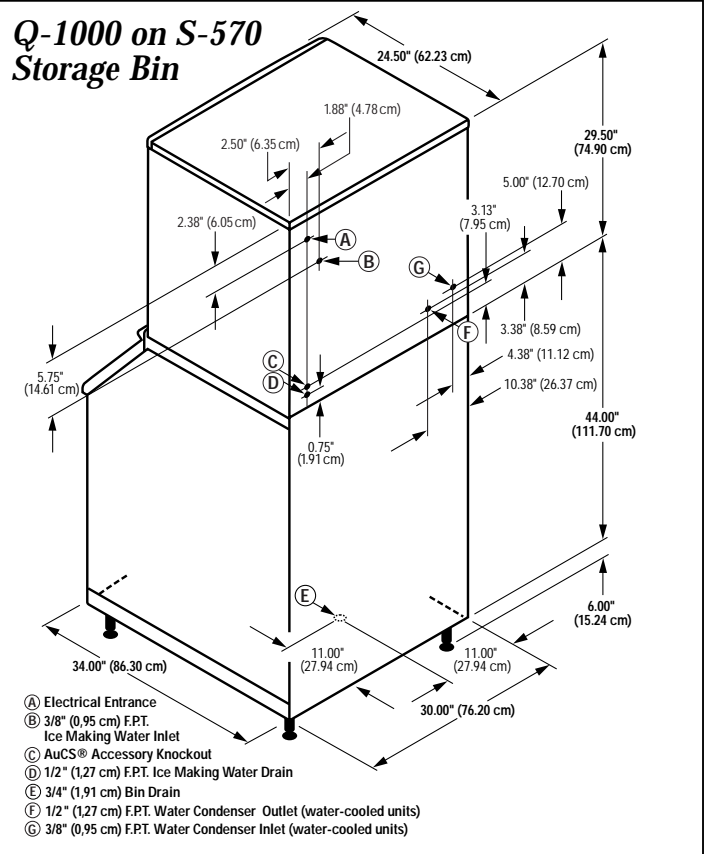
## Space-Saving Designs



	Q-1000 S-570	Q-1000 S-970*
Height	79.50"	79.50"
	201.90 cm	201.90 cm
Width	30.00"	48.00"
	76.20 cm	121.92 cm
Depth	34.00"	34.00"
	86.30 cm	86.30 cm
Bin Storage	430 lbs.	710 lbs.
	195 kgs.	322.2 kgs.

Height includes adjustable bin legs 6.00" to 7.00" (15.24 to 17.78 cm) set at 6.00" (15.24 cm). For comparison purposes multiply ARI capacity by 1.3 (30%) to arrive at approximate "Application Rating Capacity."  
\*K-00140 bin adapter required.

## Q-1000 on S-570 Storage Bin



**Installation Note** - Minimum Installation Clearance: Top/Sides are 8" (20.32 cm), Back is 5" (12.7 cm).

## THE RIGHT CLIMATE FOR LEADERSHIP

Consult your local Manitowoc Representative:

Manitowoc Ice, Inc.  
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Ph: 920-682-0161 • Fax: 920-683-7589  
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