

Q-Model Series 1300 Ice Cube Machine



*Q-Model Series 1300
Ice Machine on a S-970 Bin*

- *Up to 1,370* lbs. (622 kgs.) daily ice production*
- *Stackable, double daily ice production, 2,740* lbs. (1,244 kgs.)*
*Production rating outside the scope of ARI Standard 820.
- *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 1300 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-1300A	regular	1,030	468	6.5 1 ^{ph}	6.5 3 ^{ph}
QR-1301W	regular	1,160	526	5.1 1 ^{ph}	5.0 3 ^{ph}
QD-1302A	dice	1,110	504	6.0 1 ^{ph}	6.0 3 ^{ph}
QD-1303W	dice	1,250	568	4.7 1 ^{ph}	4.6 3 ^{ph}
QY-1304A	half-dice	1,110	504	6.0 1 ^{ph}	6.0 3 ^{ph}
QY-1305W	half-dice	1,250	568	4.7 1 ^{ph}	4.6 3 ^{ph}
REMOTE AIR-COOLED WITH JC-1395A CONDENSER					
QR-1390N	regular	1,060	481	6.1 1 ^{ph}	6.0 3 ^{ph}
QD-1392N	dice	1,140	518	5.7 1 ^{ph}	5.6 3 ^{ph}
QY-1394N	half-dice	1,140	518	5.7 1 ^{ph}	5.6 3 ^{ph}
Water usage/100 lbs./45.4 kgs. of Ice					
Potable Water: 19.2 gallons, 72.7 liters • Water-cooled Condenser: 178 gallons, 673.8 liters					

Order ice storage bin separately. "A" or "W" following model number indicates "Air" or "Water" condensing unit. Ice storage bin and JC-1395A remote condenser must be ordered separately. Consult remote condenser specification sheet for details. To order 3 phase add "3" suffix to model # (QR-1300A3). Note: Placing Q-1300 ice machine on non-Manitowoc bin or "F" model Manitowoc bin, requires installation of ice deflector K-00139.



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 and 380/415/50/3 see 50 cycle literature.)

Min. circuit ampacity: Air-cooled — 19.0 1^{ph} 12.9 3^{ph}, Water-cooled — 17.4 1^{ph} 11.3 3^{ph}, Remote — 18.4 1^{ph} 10.6 3^{ph}

Max. fuse size: Air-cooled, Water-cooled, Remote — 30 amps 1^{ph} 20 amps 3^{ph}

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

Specifications

BTU Per Hour:
24,000 (average) 35,600 (peak)

Compressor:
Nominal rating: 2-1/2 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)

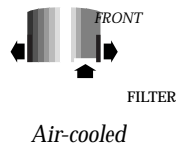
- Water Temperature Range:
33°-90°F (0.6°-32.2°C)

- 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)



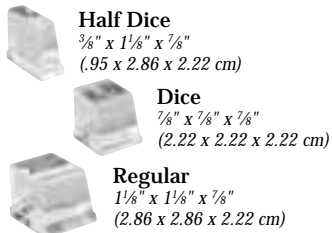
Air Flow Top View



AuCS® Accessory



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°	1,320	1,260	1,160	70°	1,370	1,280	1,120	-20° to 70°	1,260	1,160	1,090
21°	599	572	527	21°	622	581	508	-29° to 21°	572	527	495
80°	1,260	1,190	1,100	80°	1,360	1,270	1,100	90°	1,240	1,140	1,180
27°	572	540	499	27°	617	577	499	32°	563	518	536
90°	1,150	1,110	1,010	90°	1,340	1,250	1,070	100°	1,170	1,080	1,010
32°	522	504	459	32°	608	568	486	38°	531	490	459

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

Space-Saving Designs

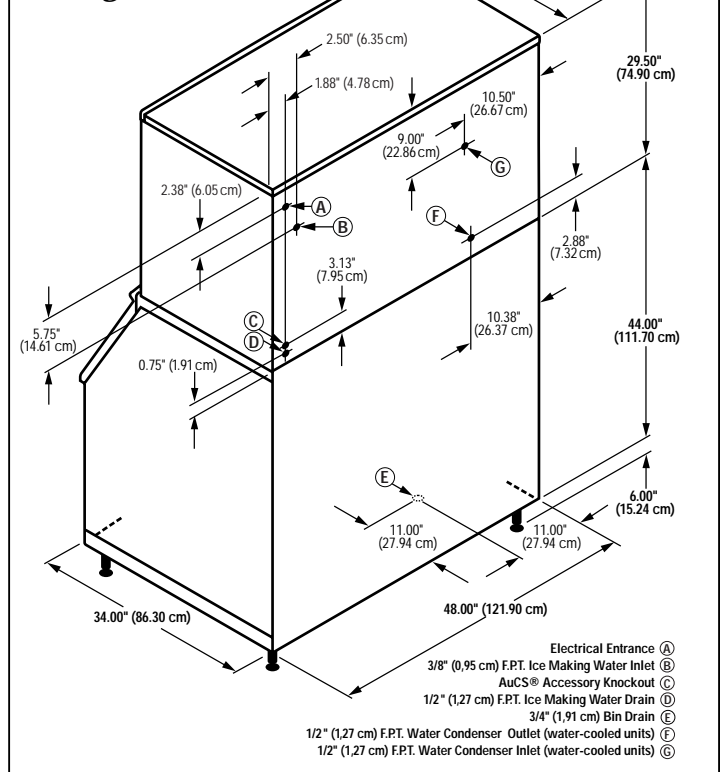
Q-1300
S-970



Height	79.50" 201.90 cm
Width	48.00" 121.92 cm
Depth	34.00" 86.30 cm
Bin Storage	710 lbs. 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."

Q-1300 on S-970 Storage Bin



Installation Note - Minimum Installation Clearance:
Water and remote units — Top/Sides: 8" (20.32 cm), Back: 5" (12.7 cm).
Air-cooled units — Top/Sides: 24" (60.96 cm), Back: 12" (30.48 cm).

THE RIGHT CLIMATE FOR LEADERSHIP
Consult your local Manitowoc Representative:

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