

Q-Model Series 1800 Ice Cube Machine



*Q-Model Series 1800
Ice Machine on a S-970 Bin*

- *Up to 1,880* lbs. (852 kgs.) daily ice production*
- *Stackable, double daily ice production, 3,760* lbs. (1,692 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 1800 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-1800A	regular	1,460	657	6.7 1 _{ph}	6.4 3 _{ph}
QR-1801W	regular	1,550	698	5.6 1 _{ph}	5.2 3 _{ph}
QD-1802A	dice	1,570	707	6.2 1 _{ph}	5.9 3 _{ph}
QD-1803W	dice	1,670	752	5.2 1 _{ph}	4.8 3 _{ph}
QY-1804A	half-dice	1,570	707	6.2 1 _{ph}	5.9 3 _{ph}
QY-1805W	half-dice	1,670	752	5.2 1 _{ph}	4.8 3 _{ph}
REMOTE AIR-COOLED WITH JC-1895A CONDENSER					
QR-1890N	regular	1,470	662	6.3 1 _{ph}	5.8 3 _{ph}
QD-1892N	dice	1,580	711	5.8 1 _{ph}	5.3 3 _{ph}
QY-1894N	half-dice	1,580	711	5.8 1 _{ph}	5.3 3 _{ph}
Water usage/100 lbs./45.4 kgs. of ice					
Potable Water: 18 gallons, 68.13 liters • Water-cooled Condenser: 160 gallons, 605.60 liters					

Order ice storage bin separately. "A" or "W" following model number indicates "Air" or "Water" condensing unit. Ice storage bin and JC-1895A remote condenser must be ordered separately. Consult remote condenser specification sheet for details. To order 3 phase add "3" suffix to model # (QR-1800A3). Note: Placing Q-1800 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 — 28.1 1_{ph} 15.5 3_{ph}, Water-cooled — 26.7 1_{ph} 14.1 3_{ph}, Remote — 26.9 1_{ph} 13.9 3_{ph}

Max. fuse size: Air-cooled, Water-cooled, Remote — 40 amps 1_{ph} 20 amps 3_{ph}

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

Specifications

BTU Per Hour:
36,000 (average) 50,000 (peak)

Compressor:
Nominal rating: 3.5 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)

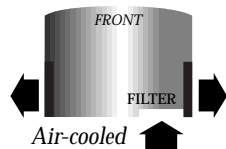
- Water Temperature Range:**
33°-90°F (0.6°-32.2°C)

- 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

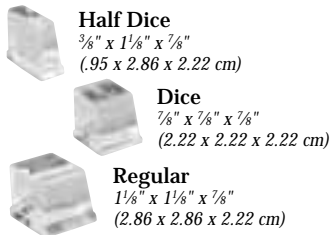


AuCS® Accessory



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°	1,880	1,720	1,640	70°	1,840	1,690	1,520	-20° to 70°	1,770	1,650	1,540	
21°	846	774	738	21°	828	761	684	-29° to 21°	797	743	693	
80°	1,780	1,650	1,560	80°	1,780	1,680	1,520	90°	1,700	1,580	1,480	
27°	801	743	702	27°	801	756	684	32°	765	711	666	
90°	1,690	1,570	1,480	90°	1,760	1,670	1,510	100°	1,620	1,480	1,400	
32°	761	707	666	32°	792	752	680	38°	729	666	630	

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

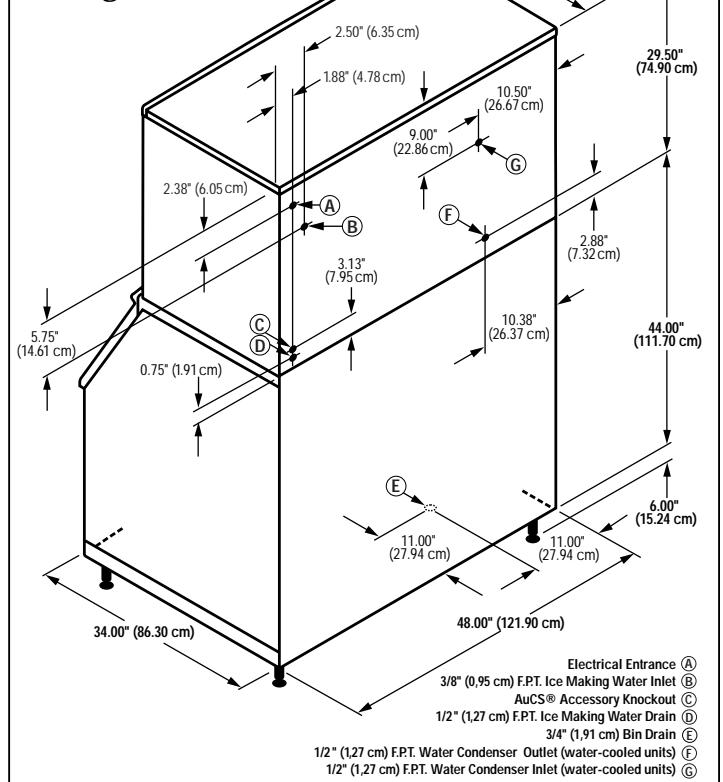
Space-Saving Designs



Q-1800 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-1800 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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