

# QuietQube® S-680C Remote Ice Cube Machine

Air-cooled Ice Cube Machine  
with Patented CVD Technology®



Series 680C Ice Cube Machine - 115V



CVD Condensing Unit - 230V



SD-0682C Ice Machine  
on a B-570 Bin

QuietQube® Series Remote System consists of a remote condensing unit, interconnecting refrigerant lines, ice machine head section, ice deflector, and ice storage unit— whether storage bin, countertop or floor-standing dispenser. All ordered separately. QuietQube ice machine with CVD condensing unit is designed as a Manitowoc system and not for use with any other ice machine or remote condenser brand.

- Up to 680 lbs. (308 kgs.) daily ice production
- **CEE Tier 3 energy and water efficiency rating.**
- Only 30" (76.2 cm) wide, 21.50" (54.61 cm) high
- Quiet operation eliminates most noise from the refrigeration system. Promotes relaxing atmosphere
- Patented CVD technology improves reliability and extends life of the compressor
- Ice machine is lighter in weight and 115 volt simplifies installation and reduces electrical installation cost
- Utility connections out the back or top of the unit maximize floor space and provide additional installation options
- Stainless steel exterior with the fit and finish of an appliance, enhances the display in any self-serve environment
- Patented cleaning and sanitizing technology
- Standard installation criteria facilitates easy replacement of existing remote condenser unit
- **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

**CEE**  Energy Efficiency Ratings  
Specified on Back

**America's #1 Selling Ice Machine**

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

**Manitowoc**

# Manitowoc QuietCube® S-680C

## REMOTE AIR-COOLED ICE MACHINE

## CVD-0685 REMOTE CONDENSING UNIT

Model	Ice Shape	Ice Production 24 hours		Power Usage kWh/100 lbs. @ 90°Air/70°F			Water Usage/100 lbs. 45.4 kgs. of Ice		ENERGY STAR®	
		70°Air/50°F Water	90°Air/70°F Water	1 Ph	CEE Tier	3 Ph	CEE Tier	Potable Water		CEE Tier
SD-0682C	dice	650 lbs.	575 lbs.	5.42	3	5.25	3	18.8 gal.	3	★
		295 kgs.	261 kgs.					71 L.		
SY-0684C	half-dice	680 lbs.	590 lbs.	5.43	3	5.25	3	18.8 gal.	3	★
		308 kgs.	268 kgs.					71 L.		

Ice machine for use with ice storage bin or ice dispenser and CVD condensing unit all ordered separately. \*kWh per 100 lbs. is total power of ice machine and condensing unit.

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

**1 2 3**  
\*Consortium for Energy Efficiency (CEE) is a North American non-profit organization that promotes energy-efficient products, technologies and services; also the principal entity for the development of ice maker efficiency standards.

### Installation Information and Dimensions:

- Maximum Line Length—100' (30.5 m).\*
- Maximum Vertical Rise\*—35' (10.7 m) above ice machine.
- Maximum Vertical Drop—15' (4.5 m) below ice machine.
- \*A rise over 20' (6 m) requires S-Trap Kit K-00172 - ordered separately.



### Condensing Unit Electric

**208-230/60/1 standard.**  
208-230/60/3 and 230/50/1 also available. 50 Hz version of this model meets the international standard, IEC335-1, requirements for "tropical rating," the most severe duty rating an ice machine can obtain, (consult factory). HACR-type circuit breakers can be used in place of fuses.

**Note:** QuietCube ice machine is wired independent of CVD condensing unit.

**Min. circuit ampacity:** 11.0 1ph  
7.5 3ph

**Max. fuse size:** 15 amps 1ph  
15 amps 3ph

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

**BTU Per Hour:**  
10,300 (average) 11,700 (peak)

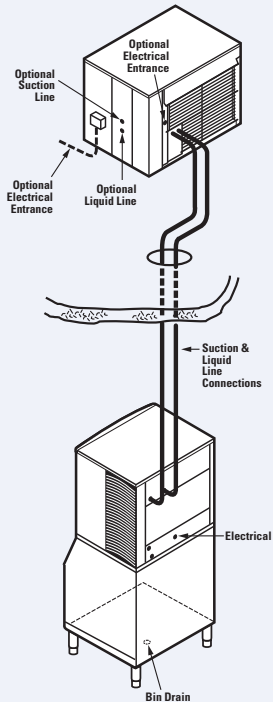
**Compressor:**  
Nominal rating: 1 HP

**Operating Limits:**  
• Ambient Temperature Range:  
-20° to 120°F (-29° to 49°C)

### Standard Interconnecting Tubing

Model	Line Length		Weight	
	ft.	m.	lbs.	kgs.
RC-21	20	6	12	5
RC-31	30	9	17	8
RC-51	50	15	27	12

### Typical Installation



### Ice Machine Electric

**115/60/1 standard.**  
(230/50/1 also available, consult factory.)

**Total Amps:** 1.1

**Max. fuse size:**

15 amps

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

		24-HOUR PRODUCTION lbs. kgs.					
		HALF-DICE CUBE			DICE CUBE		
air temp	water temp			water temp			
	°F	50°	70°	90°	50°	70°	90°
°C	10°	21°	32°	10°	21°	32°	
-20° to 70°F	680	630	590	650	600	535	
-29° to 21°C	308	286	268	295	272	243	
90°	640	590	550	625	575	530	
32°	290	268	250	284	261	240	
100°	600	550	510	590	540	495	
38°	272	250	231	268	245	225	

### Specifications

#### Operating Limits:

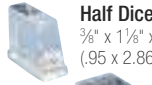
- Ambient Temperature Range: 35° to 110°F (1.7° to 43°C)
- Water Temperature Range: 35° to 90°F (1.7° to 32.2°C)
- Water Pressure Ice Maker Water In: Min. 20 psi (137.9 kPa) Max. 80 psi (551.1 kPa)

### AuCS®/SI Accessory



Automatic Cleaning System purchased factory installed in the machine or as an option for field retrofit.

### 2 Cube Sizes Available



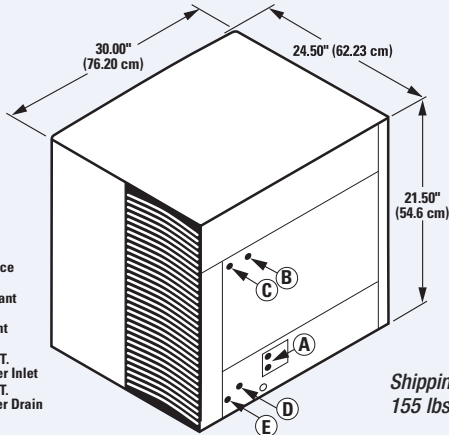
**Half Dice**  
3/8" x 1 1/8" x 7/8"  
(.95 x 2.86 x 2.22 cm)



**Dice**  
7/8" x 7/8" x 7/8"  
(2.22 x 2.22 x 2.22 cm)



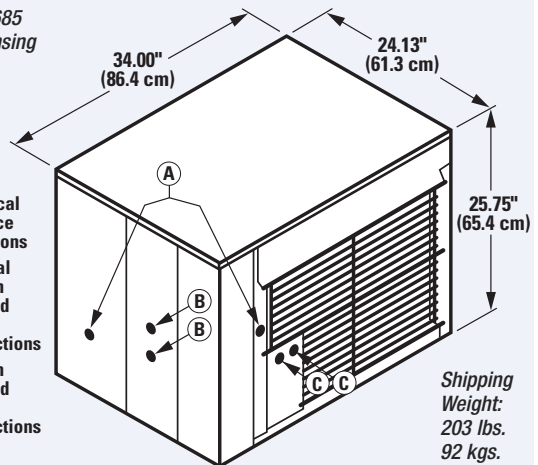
### 680C Ice Machine



- A Electrical Entrance (2) Options
- B Suction Refrigerant Shut-off Valve
- C Liquid Refrigerant Shut-off Valve
- D 3/8" (0.95 cm) E.P.T. Ice Making Water Inlet
- E 1/2" (1.27 cm) E.P.T. Ice Making Water Drain

**Shipping Weight:**  
155 lbs. / 70 kgs.

### CVD-0685 Condensing Unit



- A Electrical Entrance (2) Options
- B Optional Suction & Liquid Line Connections
- C Suction & Liquid Line Connections

**Shipping Weight:**  
203 lbs.  
92 kgs.



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.



MANITOWOC ICE  
2110 South 26th Street, P.O. Box 1720  
Manitowoc, WI 54221-1720, USA  
Ph: 920-682-0161 • Fax: 920-683-7589  
Visit us online at [www.manitowocice.com](http://www.manitowocice.com)

