



IDT1830C Ice Cube Machine - 115V



CVDT1800 Condensing Unit

ICE SHAPES



▶ **Half-Dice:** 3/8" x 1 1/8" x 7/8"
(0.95 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)

SIZE

- ▶ Up to 1,874 lbs (850 kgs) of daily ice production
- ▶ 30" (76.20 cm) wide, 24.50" (62.23 cm) deep, and 29.50" (74.9 cm) high



Two IDT1830C Ice Machines on a FI325 Bin



IDT1830C Ice Machine on a D-970 Bin



SPECIFICATIONS

Refrigerant: R410A

BTU Per Hour

- ▶ CVDT1800 Remote Condensing Unit: 27,000 (average) 31,000 (peak)

Compressor: Nominal Rating - 2.5 HP

Operating Limits

- ▶ iT1830C Ice Machine
 - Ambient temperature range: 40° to 110°F (4.4° to 43.4°C)
 - Water temperature range: 40° to 90°F (4.4° to 32.2°C)
 - Water pressure ice maker (water in)
 - Min. 20 psi (137.9 kPa)
 - Max. 80 psi (551.1 kPa)
- ▶ CVDT1800 Remote Condensing Unit
 - Ambient temperature range: -20° to 120°F (-29° to 48.9°C)

Power

- ▶ iT1830C Ice Machine
 - 115/60/1 standard (230/50/1 available)
 - Total Amps: 1.1
 - Maximum Fuse Size: 15 Amps
- ▶ CVDT1800 Remote Condensing Unit
 - 208-230/60/1 standard
 - Minimum Circuit Ampacity: 16.7
 - Maximum Fuse Size: 25 amps
 - 208-230/60/3 (optional)
 - Minimum Circuit Ampacity: 13.5
 - Maximum Fuse Size: 20 amps
- ▶ Notes:
 - HACR-type circuit breakers can be used in place of fuses.
 - QuietQube ice machine power supply is wired independent of CVD condensing unit.

FEATURES

- ▶ QuietQube Series Highlights
 - The remote system includes a condensing unit, refrigerant lines, ice machine head, and bin or dispenser, all ordered separately and compatible only with Manitowoc components.
 - Produces up to 1,874 lbs (850 kg) of ice daily within a compact 30" width.
 - The remote design minimizes refrigeration noise for quiet operation.
 - The easyTouch[®] touchscreen simplifies user interaction.
 - Ice production can be scheduled by time, volume, or off-peak hours.
 - Cleaning is easy with a hinged door and antimicrobial components.
 - Smart diagnostics provide continuous maintenance alerts and troubleshooting.
 - A patented acoustical probe ensures reliable ice sensing across water conditions.
 - The DuraTech[®] exterior resists corrosion, fingerprints, and dirt.
 - The optional LuminIce[®] II system inhibits viruses, bacteria, mold, and yeast.
 - Active Sense technology maintains consistent ice harvests in any environment.

ACCESSORIES

- ▶ LuminIce[®] II Virus and Bacteria Inhibitor
 - Controls viruses and bacteria in the ice machine.
- ▶ External Scoop Holder
 - Protect the ice scoop with the NSF approved versatile scoop holder.
- ▶ iAuCS[®]
 - Schedules and performs routine ice machine cleaning automatically.
- ▶ Arctic Pure[®] Plus Water Filters
 - Reduce sediments and chlorine contaminants down to 0.5 microns. Use with a pre-filter is recommended.



LuminIce II



External Scoop Holder



iAuCS[®]



Arctic Pure Water Filters

QUIETQUBE iT1830C

Manitowoc Remote Ice Cube Machine

IDT1830C | IYT1830C

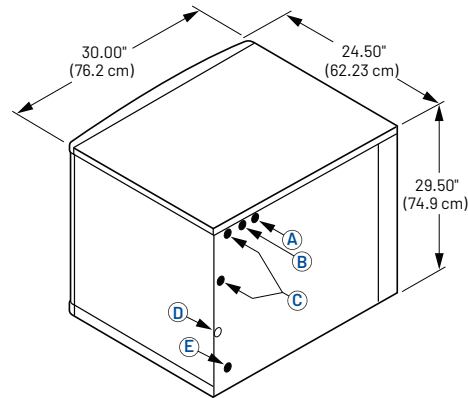
INSTALLATION

iT1830C Ice Machine

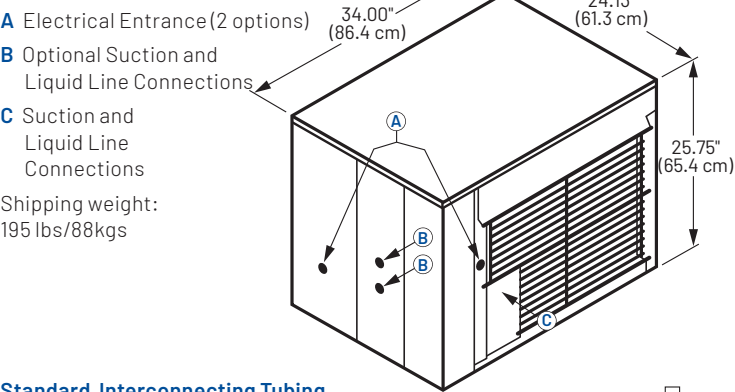
Ice machine must be installed indoors.

Required clearances top:
2" • sides: 8" • back: 5"

- A Electrical Entrance
- B 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet
- C Suction & Liquid Line Connections
- D AuCS Accessory Knockout
- E 1/2" (1.27 cm) F.P.T. Ice Making Water Drain



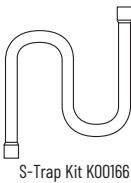
CVDT1800 Remote Condensing Unit



Shipping weight:
195 lbs/88kgs

Standard Interconnecting Tubing

Model	Line Length	Weight
RC-20	20 ft (6 m)	14 lbs (6 kgs)
RC-30	30 ft (9 m)	20 lbs (9 kgs)
RC-55	50 ft (15 m)	31 lbs (14 kgs)



Condensing Unit 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 K00166 - ordered separately.

SPECIFICATIONS

iT1830C Ice Machine			Ice Production 24 Hours				Power Usage kWh per 100 lbs (45.4 kgs) of ice @ 90° Air/70°F Water (32° Air/21°C Water)	Potable Water Usage gal per 100 lbs (45.4 kgs) ice [†]
Model	Ice Shape	Shipping Weight	70° Air/50°F Water 21° Air/10°C Water		90° Air/70°F Water 32° Air/21°C Water			
IDT1830C	Dice	210 lbs (95 kgs)	1,771 lbs	803 kgs	1,500 lbs	680 kgs	4.04 ★	18.5 gal (70 L)
IYT1830C	Half-Dice	215 lbs (98 kgs)	1,874 lbs	850 kgs	1,560 lbs	708 kgs	4.02 ★	18.5 gal (70 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.

Ice machine is 1 ph only. Condensing unit is 1 ph or 3 ph.
[†]Ratings Certified in Accordance with AHRI Standard 810.

★ Energy Star Model

Limited Commercial Warranty

- Ice Maker** Three (3) years parts and labor
- Evaporator** Five (5) years parts and labor
- Compressor** Five (5) years parts, three (3) years labor



2110 South 26th Street | Manitowoc, WI 54220 | United States
+1.920.682.0161 | 920.683.7589 Fax | manitowocice.com

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