



KT-0500 Ice Kube Machine

Models

☐ KDT-0500A ☐ KYT-0500A ☐ KDT-0500W ☐ KYT-0500W



Koolaire KT-0500
Ice Kube Machine on K570 Bin

Koolaire by Manitowoc ice machines are designed, developed and tested by Manitowoc engineers to provide great ice production, energy efficiency and reliable service at an affordable price.

Performance/Features/Benefits

- Produces up to 560 lbs (254 kg) of ice per day**
- Performance certified by the Air Conditioning, Heating and Refrigeration Institute (AHRI)
- Energy Efficient models - visit EnergyStar.gov to view all Energy Star qualifying models
- Highly efficient electro-less nickel plated copper evaporators made in Manitowoc WI, USA
- Simple operation - only one control, three positions ON/OFF/CLEAN
- High-Tech exterior with smudge and fingerprint resistant stainless-like finish
- Better for the environment. Uses R410A refrigerant which lowers global warming potential by 48%
- Backed by the industry's best Manitowoc distribution network and service agents

Built for Easy Sanitation

- Easy access front facing evaporator
- One-touch remedial cleaning; requires minimal interaction; just add chemical and let the machine do the rest. No ice removal from bin needed. (Use Manitowoc De-scaler and Sanitizer only)
- For detail cleaning; all food zone components removable by hand (no tools required). Fast and easy
- All white plastic interior, no exposed tubes or wires, smooth rounded corners for fast easy wipe downs
- The food zone is sealed from above and on the back of the door panel with commercial grade rubber gaskets
- Alpha San anti-microbial agent molded in selected components
- **Available LuminIce II Virus and Bacteria Inhibitor-** Controls viruses, bacteria, mold and yeast within the food zone to keep the machine clean longer (order K00520 for 22" & 30" and K00521 for 48" machines)

**based on 70F air / 50F water

Ice Machine Electric

115/60/1 standard

Minimum circuit ampacity:

Air-cooled: 12.7

Water-cooled: 12.0

Maximum fuse size:

Air Cooled: 20 Amps

Water cooled: 20 Amps

Specifications

BTU Per Hour:
5,300 (average),
and 6,100 (peak)

Refrigerant:

R410A CFC - Free
Lowers global warming
by 48%

Operating Limits:

- Ambient Temperature Range:
40° to 110° F (4.4° to 43.3° 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)

Ice Shape



HALF KUBE

$\frac{3}{8}" \times 1\frac{1}{8}" \times \frac{7}{8}"$
(.95 x 2.86 x 2.22 cm)

$\frac{1}{2}" = 100\%$



KUBE

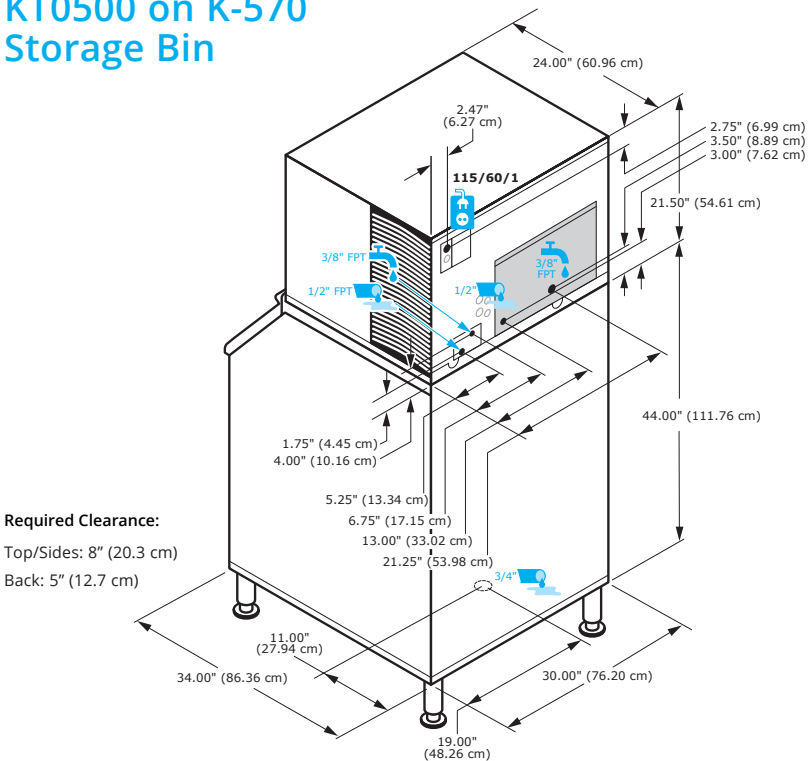
$\frac{7}{8}" \times \frac{7}{8}" \times \frac{7}{8}"$
(2.22 x 2.22 x 2.22 cm)

$\frac{1}{2}" = 100\%$



KT-0500 ICE KUBE MACHINE

KT0500 on K-570 Storage Bin



Required Clearance:
Top/Sides: 8" (20.3 cm)
Back: 5" (12.7 cm)

Water cooled condenser water usage/100 lbs. or 45.5 Kg. of ice: 150 gals. / 568L.

Space-Saving Design



	KT0500 K-400	KT0500 K-570
Height	59.50" 151.13 cm	71.50" 181.61 cm
Width	30.00" 76.2 cm	30.00" 76.2 cm
Depth	34.00" 86.30 cm	34.00" 86.30 cm
Bin Storage	365 lbs. 165.7 kgs.	532 lbs. 241 kgs.

Measurements with bin legs at 6.00" (15.24cm). Adjustable bin legs 6.00" to 8.00" (15.24cm to 20.32cm). Bin capacity is based on 90% of the volume x 33 lbs/ft 3 average density of ice.

Specifications

	Model	Ice Shape	Ice Production 24 Hours		Power Usage kWh/100 lbs. @90°Air/70°F	Potable Water Usage/100 lbs. of Ice
			70°/ 50°F 21°/ 10°C	90°/ 70°F 32°/ 21°C	1 Ph	45.4 kgs. of Ice
AIR COOLED	KDT-0500A	kube	515 lbs.	400 lbs.	5.4 ★	19 Gal.
			233 kgs	181 kgs		71.9 L
	KYT-0500A	half-kube	550 lbs.	425 lbs.	5.3 ★	19 Gal.
			249 kgs	193 kgs		71.9 L
WATER COOLED	KDT-0500W	kube	533 lbs.	420 lbs.	4.4	19 Gal.
			242 kgs	191 kgs		71.9 L
	KYT-0500W	half-kube	560 lbs.	460 lbs.	4.0	19 Gal.
			254 kgs.	209 kgs		71.9 L

Order ice machine and bin separately
★ indicates Energy Star 3.0 certified

Shipping Weight:

Air-cooled: 156 lbs (71kg)
Water-cooled: 159 lbs (72 kg)

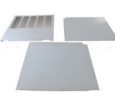


Accessories

Dispenser Bin Thermostat Kit
Reduces condensation when used with dispensers.



Top Air Discharge Kit
Convert air flow to rear in-take / top exhaust.



Arctic Pure Plus® Water Filters
Reduce sediments and chlorine contaminants down to .5 microns. Use with Pre-filter recommended



Luminice II Virus and Bacteria Inhibitor
controls viruses and bacteria inside the ice machine.

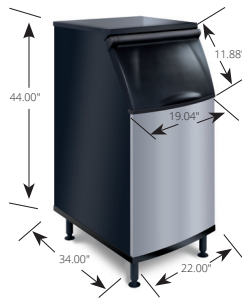


Manitowoc Ice reserves the right to make changes to the design or specifications without prior notice.

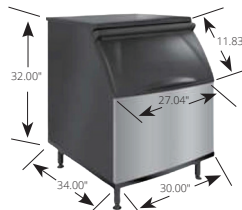
Models

☐ K-420 ☐ K-400 ☐ K-570 ☐ K-970

K-Series Ice Storage Bins



K-420



K-400



K-570



K-970

FEATURES

- All K-bins include one set of 4 legs. Adjustable from 6" to 7.75 in (15.24 to 20.32cm)
- Stay open door keeps bin door out of the way while scooping ice.
- Internal scoop holder keeps scoop above the ice line for better sanitation.
- Foamed insulated door reduces sweat on the door and keeps ice lasting longer.
- High tech stainless like finish with superior corrosion resistance.
- Black side panels to match your Koolaire modular ice machine.



Pictured: Koolaire Kuber KT0700 series on a K570 bin

K-Series
ICE STORAGE BINS

D-BIN CAPACITIES

*Application Capacity		**2017 AHRI Capacity		***2018 AHRI Cubic Volume
lbs.	kgs	lbs.	kgs	
383	174	310	141	12.9
365	166	290	132	12.3
532	241	430	195	17.9
882	400	710	322	29.7

BIN LEG OPTIONS

Order replacement adjustable legs 4" (10.16 cm) to 6" (15.24 cm) with kit K00441. Optional casters available 7.635" (19.37 cm) to 8.625" (21.1 cm) by ordering kit K00138. Casters cannot be used with K-420 bin.

WARRANTY

Bin & Accessories: 3 Year Parts & Labor

BIN MODEL	CAPACITY		KOOLAIRE KUBER ICE MACHINE MODEL NUMBER (ADAPTER LISTED, IF REQUIRED)						
	lbs.	kg	300	420	400	500	700	1000	1700
K-420	383	174		•					
K-400	365	166	•	K00472	•				
K-570	532	241	•	K00472	•	•	•	•	
K-970	882	400	K00470	K00473	K00470	K00470	K00470	K00470	•

Above dimensions include bin leg height of 6".

All bins include 82 oz white scoop part # 00011765

*Application Capacity is based on 90% of the volume x 33 lbs/ft³ average density of ice. Ice must be managed.

**2017 Approved AHRI capacity is based on 80% of the total volume x 30 lbs/ft³ average density of ice.

***2018 Approved AHRI measurement for bin capacity

KOOLAIRE
by MANITOWOC



2110 SOUTH 26TH ST | MANITOWOC, WI 54220 USA | 1-920-682-0161 [www.kool-air.com]