



Koolaire KP0500
Ice Cube Machine on K-570 Bin

KP0500

Koolaire Ice Cube Machine

KDP0500A | KYP0500A | KDP0500W | KYP0500W

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 522 lbs (237 kgs) of daily ice production
- ▶ 30" (76.20 cm) wide, 34" (72.4 cm) deep, and 71.5 (181.61 cm) high on 6" (15.24 cm) legs
- ▶ 532 lb (241 kgs) ice bin storage capacity*

*Application capacity based on 90% volume x 33 lbs./ft³ average density of ice

SPECIFICATIONS

Refrigerant: R290

- ▶ Air-cooled: 5.3 oz (150 g)
- ▶ Water-cooled: 6.4 oz (180 g)

BTU Per Hour

- ▶ 7,515 (average)
- ▶ 8,905 (peak)

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)
- ▶ Condenser inlet water in (water-cooled only)
 - Min. 20 psi (137.9 kPa)
 - Max. 275 psi (1,896.06 kPa)

Power

- ▶ 115/60/1 standard
- ▶ Minimum circuit ampacity:
 - Air-cooled: 12.5
 - Water-cooled: 11.8
- ▶ Maximum Fuse Size
 - Air-cooled: 20 Amps
 - Water-cooled: 20 Amps

FEATURES / BENEFITS

- ▶ AHRI performance certified
- ▶ Energy-efficient models (see EnergyStar.gov)
- ▶ Durable nickel-plated copper evaporators (Made in Manitowoc, WI)
- ▶ Simple 3-position control: ON / OFF / CLEAN
- ▶ Smudge-resistant stainless-like exterior
- ▶ R290 offers a 99.86% GWP reduction compared to R410A
- ▶ Front-facing evaporator for easy access
- ▶ One-touch cleaning—just add chemical, no ice removal needed
- ▶ Tool-free removal of food zone components
- ▶ Smooth, white plastic interior for quick wipe-downs
- ▶ Sealed food zone with commercial-grade gaskets
- ▶ Alpha San antimicrobial protection in key parts

ACCESSORIES

- ▶ LuminIce® II Virus and Bacteria Inhibitor Controls viruses and bacteria in the ice machine.
- ▶ Dispenser Bin Thermostat Kit
Reduces condensation when used with dispensers.
- ▶ Arctic Pure Pro water filters reduce chlorine, taste, odor and filter sediment down to 5 microns



LuminIce II



Thermostat Kit



Arctic Pure Water Filters

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INSTALLATION

Ice machine must be installed indoors.

Recommended clearance for

- top and sides is 8" (20.3 cm)

- back is 5" (12.7 cm)

A Electrical Entrance (2) Options

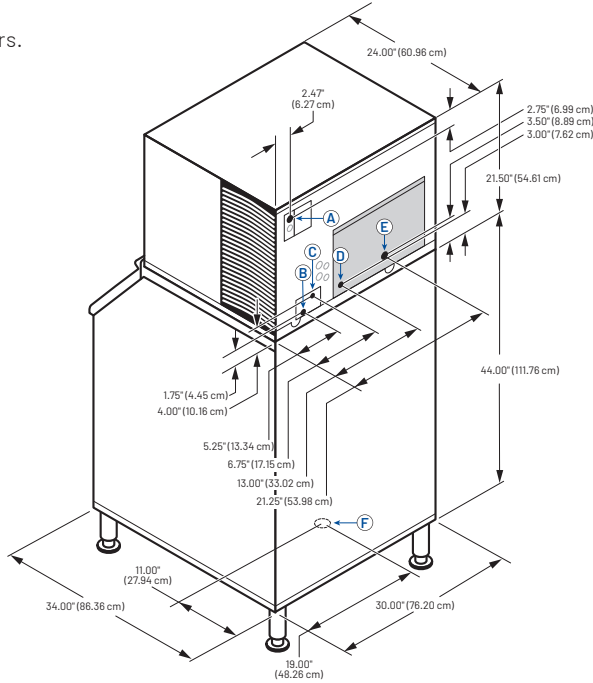
B 3/8" (0.95 cm) F.P.T.
Ice Making Water Inlet

C 1/2" (1.27 cm) F.P.T.
Ice Making Water Outlet

D 1/2" (1.27 cm)
Condenser Water Outlet
(water cooled models only)

E 3/8" (0.95 cm) F.P.T.
Condenser Water Inlet
(water cooled models only)

F 3/4" (1.91 cm)
Bin Drain



SPACE-SAVING DESIGN



**KP0500
K-400**

**KP0500
K-570**

	KP0500 K-400	KP0500 K-570
Height	59.50" 151.13 cm	71.5" 181.61 cm
Width	30.0" 76.2 cm	30.0" 76.2 cm
Depth	34.0" 86.36 cm	34.0" 86.36 cm
Bin Storage	365 lbs 165 kgs	532 lbs 241 kgs

Height includes adjustable bin legs
6.00" to 8.00", (15.24 to 20.32 cm)
set at 6.00" (15.24 cm).

Bin capacity is based on 90% of the
volume x 33 lbs/ft³ average density of ice.
Ice machine and bin sold separately.

SPECIFICATIONS

				Ice Production 24 Hours		Power Usage kWh per 100 lbs of ice	Ice Machine Potable water usage per 100 lbs ice	Condenser water usage per 100 lbs ice
				70° Air/50°F Water 21° Air/10°C Water	90° Air/70°F Water 32° Air/21°C Water	@ 90° Air/70°F Water (32° Air/21°C Water)		
Air Cooled	Model	Ice Shape	Shipping Weight					
	KDP-0500A	Dice	157 lbs (71.2 kgs)	502 lbs (228 kgs)	391 lbs (177 kgs)	5.5 ★	14.3 gal (54.1 L)	N/A
	KYP-0500A	Half-Dice	157 lbs (71.2 kgs)	521 lbs (236 kgs)	422 lbs (191 kgs)	5.0 ★	13.6 gal (51.5 L)	N/A
	KDP-0500W	Dice	159 lbs (72 kgs)	478 lbs (217 kgs)	419 lbs (190 kgs)	4.1	13.8 gal (52.2 L)	142 gal (538 L)
Water Cooled	KYP-0500W	Half-Dice	159 lbs (72 kgs)	522 lbs (237 kgs)	450 lbs (205 kgs)	3.6	13.8 gal (52.2 L)	142 gal (538 L)

R290 is a refrigerant grade propane which is naturally occurring with no ozone depletion potential and extremely low global warming potential.

★ 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

KOOLAIRE
FROM MANITOWOC

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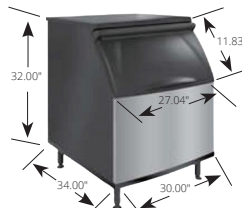
Models

☐ 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 Kubert 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



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