



Koolaire KP0420  
Ice Cube Machine on K420 Bin

# KP0420

## Koolaire Ice Cube Machine

KDP0420A | KYP0420A | KDP0420W | KYP0420W

### 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 467 lbs (212 kg) of daily ice production
- ▶ 22" (55.88 cm) wide, 34" (86.3 cm) deep, and 77.5" (196.85 cm) high on 6" (15.24 cm) legs
- ▶ 12.9 ft<sup>3</sup> (0.37 m<sup>3</sup>) cabinet volume
- ▶ 383 lb (173 kg) ice storage capacity\*

\*Application capacity based on 90% volume x 33 lbs./ft<sup>3</sup> average density of ice

### SPECIFICATIONS

#### Refrigerant: R290

- ▶ Air-cooled: 5.9 oz (170 g)
- ▶ Water-cooled: 5.3 (150 g)

#### BTU Per Hour

- ▶ 7,515 (average)
- ▶ 8,905 (peak)

#### Cupra-Nickel Condenser: (Water-cooled models)

Adds protection from corrosive water elements

#### 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. 150 psi (1,034.2 kPA)

#### Power

- ▶ 115/60/1 standard
- ▶ Minimum circuit ampacity:
  - Air-cooled: 12 (115V)
  - Water-cooled: 11.3 (115V)
- ▶ Maximum Fuse Size
  - Air Cooled: 20 Amps (115V)
  - Water cooled: 15 Amps (115V)

### FEATURES / BENEFITS

- ▶ AHRI performance certified
- ▶ 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 helps control viruses and bacteria in the ice machine.
- ▶ Dispenser Bin Thermostat Kit Reduces condensation when used with dispensers.
- ▶ Arctic Pure® Pro Water Filters Reduce sediments and chlorine contaminants down to 0.5 microns. For optimal performance, use the Arctic Pure prefilter in combination with the Arctic Pure primary filter.



LuminIce II



Thermostat Kit



Arctic Pure Water Filters

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## Koolaire Ice Cube Machine

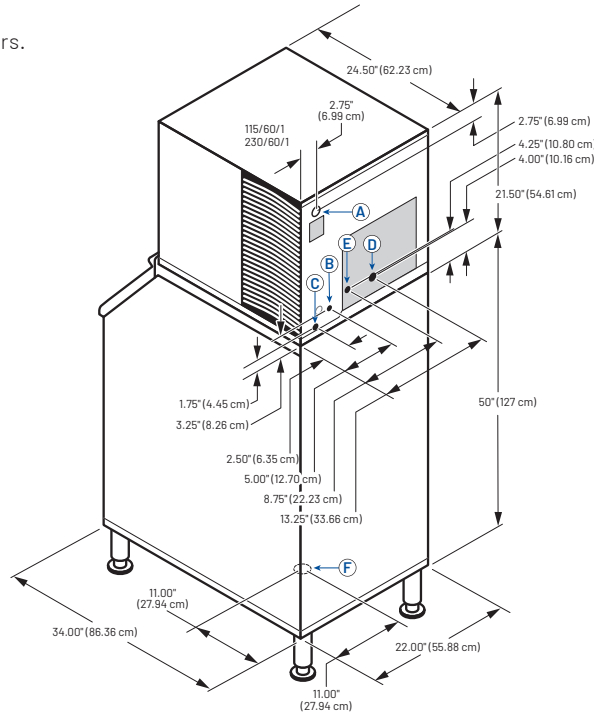
KDP0420A | KYP0420A | KDP0420W | KYP0420W

### INSTALLATION

Ice machine must be installed indoors.

Required clearance for  
 - top and sides: 8" (20.3 cm)  
 - back: 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** 3/8" (0.95 cm) F.P.T. Condenser Water Inlet (water cooled models only)
- E** 1/2" (1.27 cm) F.P.T. Condenser Water Outlet (water cooled models only)
- F** 3/4" (1.91 cm) Bin Drain



### SPACE-SAVING DESIGN



**KP0420  
K420**

Height	77.5" 196.85 cm
Width	22" 55.88 cm
Depth	34.0" 86.36 cm
Bin Storage	383 lbs 173 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/ft<sup>3</sup> average density of ice. Ice machine and bin sold separately.

### SPECIFICATIONS

	Model	Ice Shape	Shipping Weight	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			
Air Cooled	KDP0420A	Dice	134 lbs (60.78 kgs)	467 lbs (198 kgs)	358 lbs (162 kgs)	5.86	13.75 gal (52 L)	—
	KYP0420A	Half-Dice	134 lbs (60.78 kgs)	437 lbs (212 kgs)	336 lbs (152 kgs)	5.92	13.55 gal (51.3 L)	—
Water Cooled	KDP0420W	Dice	132 lbs (59.87 kgs)	435 lbs (197 kgs)	380 lbs (172 kgs)	4.73	14.3 gal (54.1 L)	119.4 gal (452 L)
	KYP0420W	Half-Dice	132 lbs (59.87 kgs)	435 lbs (197 kgs)	384 lbs (174 kgs)	4.49	13.8 gal (52.2L)	128.6 gal (486.8 L)

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

#### 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



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