

KOOLAIRE[®]

by MANITOWOC

ICE MACHINES Quick Reference Guide



A black and white photograph of a smiling woman with dark, wavy hair, wearing a white button-down shirt. She is holding a dark tray with both hands, which contains two identical glasses filled with a bright blue liquid and ice cubes. The background is a blurred indoor setting with large windows.

**Affordable
Reliability.
Kool!**

Koolaire by Manitowoc ice machines are developed and designed by Manitowoc engineers using the same rigorous testing and reliability procedures as the Manitowoc brand.

Koolaire ice machines are built for those people that want a simple ice machine that provides: great ice production, efficient energy usage and reliable service at a price that is well within their reach.

When it comes to ease of use and cleaning, Koolaire have not been compromised. There is only one switch on the machine: on, off and clean. Access to the front facing evaporators and food zone is simple with the removal of just two screws and an easy access lift off door.

On the outside, Koolaire features a high-tech stainless-like finish that has been engineered-tested with superior corrosion resistance. Its surface is smudge and fingerprint resistant so it stays cleaner longer.

Koolaire by Manitowoc offers two undercounter models 26 and 30" wide and 7 different modular models in 22" 30" and 48" ranging in production from 300 to 1800 lbs. of ice per day.

Since Koolaire is made by Americas #1 selling brand of ice machine, Manitowoc, you know that the quality and reliability is designed and built into every machine. That's why when it comes to an affordable, reliable ice machine you can count on Koolaire to meet your needs.

Koolaire offers dice & half dice



HALF DICE

Hard, clear ice cube with unique "rhomboid" shape $\frac{3}{8}" \times 1\text{-}\frac{1}{8}" \times \frac{7}{8}"$ (0.95 x 2.86 x 2.22 cm) in dimension, 96 cubes per pound of ice, maximum cooling with nearly 100% ice to water ratio.



Kubes in all ice machines.



DICE

Hard, clear ice cube with unique "rhomboid" shape $7/8" \times 7/8" \times 7/8"$ (2.22 x 2.22 x 2.22 cm) in dimension, 48 cubes per pound of ice, maximum cooling with nearly 100% ice to water ratio.



22" Modular Kuber

Koolaire offers a convenient 22" model KT0420 in both air and water cooled condensing options and with both dice and half dice "Kube" options.



KT0420 on K420 bin



KT0420		
Ice Production*	450 lbs	204 kg
Application Bin Storage Capacity	383 lbs	174 kg
Height	71.5"	181.6 cm
Width	22"	55.9 cm
Depth with Bin	34"	86.4 cm

Production is half dice Kube produced per day . Approximate ice-making capacity based on air-cooled condenser unit at 70F /21C air and 50F/10C water. Bin storage capacity calculated at 90% of total volume in cu. ft. x 33 lbs/ft3 average density of ice. Height with bin includes 6" legs . Ice machine and bin are ordered separately.

30" Small Modular Kubers

Smaller in size but big on production. The KT0300 is available in air cooled while the KT0400 is available in air or water cooled. Both units are available in dice and half dice (Kube) sizes



KT0300 on K400 bin



KT0400 on K400 bin

	KT0300		KT0400	
Ice Production*	330 lbs	150 kg	450 lbs	204 kg
Application Bin Storage Capacity	365 lbs	166 kg	365 lbs	166 kg
Height	59.5"	151.1 cm	59.5"	151.1 cm
Width	30"	76.2 cm	30"	76.2 cm
Depth with Bin	34"	86.4 cm	34"	86.4 cm

Production is half dice Kube produced per day . Approximate ice-making capacity based on air-cooled condenser unit at 70F /21C air and 50F/10C water. Bin storage capacity calculated at 90% of total volume in cu. ft. x 33 lbs/ft3 average density of ice. Height with bin includes 6" legs . Ice machine and bin are ordered separately.

30" Medium Modular Kuber

Three larger 30 " models to choose from all offering dice and half dice (Kube) ice. All three models are available in air and water cooled and the KT1000 offers a remote condensing option as well.



KT0500 on
K570 bin



KT0700 on
K570 bin



KT1000 on
K570 bin

	KT0500		KT0700		KT1000	
IceProduction*	550 lbs	249 kg	675 lbs	306 kg	960 lbs	435 kg
Application Bin Storage Capacity	532 lbs	241 kg	532 lbs	241 kg	532 lbs	241 kg
Height	71.5"	181.6 cm	71.5"	181.6 cm	79.5"	201.9 cm
Width	30"	76.2 cm	30"	76.2 cm	30"	76.2 cm
Depth with Bin	34"	86.4 cm	34"	86.4 cm	34"	86.4 cm

Production is half dice Kube produced per day . Approximate ice-making capacity based on air-cooled condenser unit at 70F /21C air and 50F/10C water. Bin storage capacity calculated at 90% of total volume in cu. ft. x 33 lbs/ft3 average density of ice. Height with bin includes 6" legs . Ice machine and bin are ordered separately.

48" Large Modular Kubers

Koolaire offers a large capacity 48" model in both air , water and re-mote condensing options and with both dice and half dice "Kube" options.



KT1700 on
K970 bin

	KT1700	
Ice Production*	1800 lbs	816 kg
Application Bin Storage Capacity	882 lbs	400 kg
Height	79.5"	201.93 cm
Width	48"	121.9 cm
Depth with Bin	34"	86.4 cm

Production is half dice Kube produced per day . Approximate ice-making capacity based on air-cooled condenser unit at 70F /21C air and 50F/10C water. Bin storage capacity calculated at 90% of total volume in cu. ft. x 33 lbs/ft3 average density of ice. Height with bin includes 6" legs . Ice machine and bin are ordered separately.

Under counters

Koolaire undercounter Ice Kube Machines use simple controls and are reliable and long lasting. There is one simple 3-way switch for on/off/clean that is easily accessible on the front panel. These front intake and discharge machines allow them to be placed adjacent to other pieces of equipment and under the counter. The hideaway bin door slides under the ice machine top for easy access to ice. Available in dice and half dice Kube.

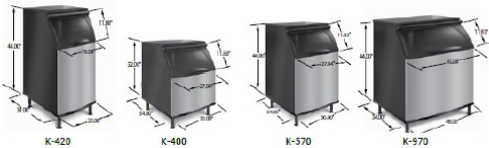


	KF0150		KF0250	
Ice Production*	169 lbs	77 kg	258 lbs	117 kg
Application Bin Storage Capacity	92 lbs	42 kg	134 lbs	61 kg
Height	38.5"	97.8 cm	38.5"	97.8 cm
Width	26"	66.0 cm	30"	76.2 cm
Depth	26.5"	67.3 cm	28.15"	71.5 cm

Production is half dice Kube produced per day . Approximate ice-making capacity based on air-cooled condenser unit at 70F /21C air and 50F/10C water. Bin storage capacity calculated at 90% of total volume in cu. ft. x 33 lbs/ft3 average density of ice. Height with bin includes 6" legs.

K-Bins

Koolaire K-Bins are manufactured to Manitowoc specifications and are AHRI and NSF certified. All bins include a set of 4 adjustable legs 6" to 7.75" (15.24 cm to 20.32cm) and a 82 oz. ice scoop. The scoop can be conveniently stored above the ice inside the bin (health codes permitting). The ergonomic door design is angled 53 degree to allow for easier access to the ice in the bin. The door is foam insulated reducing sweat on the door and latches in the up position to keep employees safe when scooping ice. Exterior finish is a high tech stainless like finish with superior corrosion resistance with black side panels to match Koolaire modular ice machines.



	*Application Capacity		++2017 AHRI Capacity		***2018 AHRI Cubic Volume
K420	383 lbs	174 kg	310 lbs	141 kg	12.9
K400	365 lbs	166 kg	290 lbs	132 kg	12.3
K570	532 lbs	241 kg	430 lbs	195 kg	17.9
K970	882 lbs	400 kg	710 lbs	322 kg	29.7

Bin storage capacity calculated at 90% of total volume in cu. ft. x 33 lbs/ft3 average density of ice. Height with bin includes 6" legs. 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 is cubic volume.

Accessories

Koolaire can use a variety of Manitowoc branded accessories as well as those made specifically for the Koolaire brand.



Arctic Pure Plus® Water Filtration

Ultra fine filtration (0.5 microns) with silver impregnated carbon block and slowly soluble polyphosphates provides triple protection from harmful contaminants that can affect your ice and machine's performance. Certified to NSF standards 42 and 53. The Pre-filter system is recommended for all applications to achieve maximum filtration efficiency and cartridge life.

Top air Discharge kits

When the ice machine needs to fit into a tight space and there is little or no clearance on the sides, a top air discharge kit can be used to change the air flow from the back of the unit to discharge out the top.



	KT0420	KT0300	KT0400	KT0500	KT0700	KT1000	KT1700
KOO379		X	X	X	X		
KOO438	X						
KOO449						X	
KOO481B							X



Dispenser Thermostat Kit

For use on beverage dispensers to avoid ice over fills and condensation problems in high humidity locations. Includes universal mounting bracket. (Order K00457)

Luminice II Virus and Bacteria Inhibitor

Optional after market device, works 24/7/365 , defending against microorganisms whether you are making ice or not.

Unique design uses a germicidal class 254 nm UVC light and a185 nm UVV light to create cold oxygen plasma that is circulated in the food sone to inhibit the growth of viruses, bacteria and fungi.



Commercial Warranty

PARTS & LABOR WARRANTY				
	3 YEARS PARTS	3 YEARS LABOR	5 YEARS PARTS	5 YEARS LABOR
ICE MAKER				
EVAPORATOR				
COMPRESSOR				
BINS				
REMOTE CONDENSER				

Quality Assurance

Before boxing and shipment, every ice machine is operated for a minimum of two ice making cycles. During this testing, inspectors record the serial number, air and water temperatures, humidity, freeze times and harvest times as part of their final inspection. On going reviews of this test data assure that Koolaire machines consistently meet the highest standards of quality.

ENERGY STAR®

Many Koolaire ice machines qualify for rebates through the Energy Star program. Commercial ice machines that have earned Energy Star are an average of 15% more energy efficient and 10% more water efficient than standard models.



AutoQuotes

Ice Usage

Foodservice	Approximate Ice Cube Needs Per Day
Restaurant.....	1-1/2 lbs .68 kg per person
Cocktail	3 lbs 1.4 kg per person/seat
Water Glass.....	4 oz 118 ml per 10 oz 296 ml glass
Salad Bar.....	30 lbs 13.6 kg per cubic foot
Fast Food	5 oz 148 ml per 7-10 oz 207-296 ml drink
	8 oz 237 ml per 12-16 oz 355-473 ml drink
	12 oz 355 ml per 18-24 oz 532-710 ml drink

Lodging

Guest Ice	5 lbs 2.7 kg per room
Restaurant	1-1/2 lbs .68 kg per person/seat
Cocktail	3 lbs 1.4 kg per person/seat
Catering	1 lb .45 kg per person

Convenience Store

Beverage.....	6 oz 177 ml per 12 oz 355 ml drink
	10 oz 296 ml per 20 oz 591 ml drink
	16 oz 473 ml per 32 oz 946 ml drink
Cold Plate.....	50% more ice per day
Packaged Ice....	lbs per bag x bags sold per day

Healthcare

Cafeteria	1 lb .45 kg per person
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Beverage Service

Drinks.....	40% ice per drink x number of drinks served on peak day
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Our customized solutions provide much more than just temporary enhancements. Backed by decades of experience in the industry, our products are relentlessly reliable, built to last and withstand the daily pressures of food service demands. And that's the same dependability reflected in our own strong support network, providing the consistent service you need at every stage of your business.

*Engineered with Ease • **Manitowocice.com***