

KQ 402

Modular

380 Kg modular ice maker

Vertical evaporator system

≡ KASTE

Type 5523-5524

KQ Series

The KQ series combines the ideal solution for QSRs (Quick Service Restaurants) and coffee shop chains. The classic six-sided solid cube, created by a high-yield vertical copper evaporator, guarantees rapid and uniform cooling of drinks, with efficiency close to 100%.

Dice cube
Vertical evaporator system

Available in three formats - Half-Dice 6g, Dice 10g and Large-Dice 17g - they offer operational flexibility and reduced water consumption, thanks to the natural refrigerant R290.

Manufactured in stainless steel and ideal for built-in installation, the KQ series integrates an electronic control with self-diagnosis and dedicated cleaning cycles, combining structural robustness with precise,

Fields of application

Hotels	●●●○○○
Restaurants	●●○○○○
Fast Food	●●●●●○
Bars	●●●○○○
Discos	●●●●●○
Fish markets	○○○○○○
Supermarkets	●○○○○○
Medical & SPA	○○○○○○
Industries	●○○○○○

Type of ice

6g	Half dice cube 6 g 10 x 29 x 24(H) mm 555 pcs per cycle
10g	Dice cube 10 g 22 x 22 x 24(H) mm 342 pcs per cycle
17g	Large dice cube 17 g 29 x 29 x 24(H) mm 210 pcs per cycle

Product



Highlights

- Dice, Half dice or Large dice solid ice cubes for maximum cooling surface
- Solid stainless steel structure
- Easy cleanable internal rounded surfaces
- Natural gas R290 with GWP 3
- RoHS Free
- Electronic management with self-diagnostic system
- Cleaning Cycle: sanitizes the system by recirculating water with a suitable cleaning product, without activating the compressor
- Air or water cooling system
- Tropical-class machine (+43°C), suitable for installation in extreme conditions
- Dual water inlet system with twin solenoid valves for efficient water supply (water cooled model)
- Air condenser filter, easily removable and cleanable
- Easy to access for maintenance

Details



Package contents

- N° 1 Inlet hose
- N° 1 Inlet hose for cooling (water-cooled versions only)
- N° 1 Drain hose
- N° 1 Cooling drain hose (water-cooled versions only)

Recommended bins

- ST S 200 (180 Kg / 397 lbs), ST S 250 (250 Kg / 551 lbs), ST S 400 (400 Kg / 882 lbs)

Options and installation kits

- Special voltages
- Water treatment

Certifications



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Operating conditions

	Min.	Max.
Ambient temperature	10 °C / 50 °F	43 °C / 110 °F
Water temperature	5 °C / 41 °F	38 °C / 100 °F
Water hardness	5 °f / 2.8 °d	20 °f / 11,3 °d
Water inlet pressure	1 bar (14 psi)	5 bar (72 psi)
Electrical voltage	-10%	+10%

Technical features

Dimensions (WxDxH)	760x620x725 mm
Net weight	88 kg / 194 lbs
Type of ice	Dice cube
Cooling system	A/W
Type of refrigerant	R 290
Electrical supply	230 V 50 Hz
Compressor (ASHRAE conditions)	3.015 W
Average power consumption	1.620 W
Fuse	16 A
Electrical consumption	13,70 kWh/100Kg
Water consumption	A = 15,1 l/h W = 120,5 l/h
Heat rejected	4.692 W
Noise level	< 70 dB

All the technical information must be considered at the following conditions:

Dimensions without feet

Standard cube (10 g)

Standard Voltage (50 Hz)

Ambient temperature +32° C

Water temperature +21° C

Performances

Air cooled system

Room temp.	Water temp.	Prod. in 24h
10° C / 50° F	10° C / 50° F	420 Kg / 926 lbs
21° C / 70° F	15° C / 60° F	380 Kg / 838 lbs
32° C / 90° F	21° C / 70° F	300 Kg / 661 lbs

Water cooled system

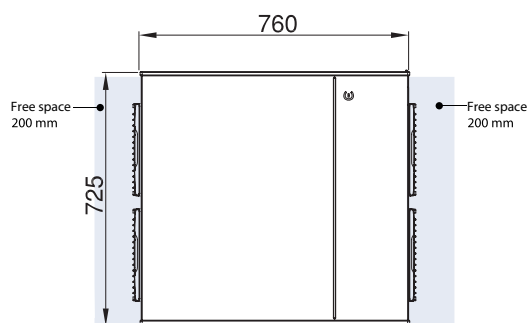
Room temp.	Water temp.	Prod. in 24h
10° C / 50° F	10° C / 50° F	390 Kg / 860 lbs
21° C / 70° F	15° C / 60° F	370 Kg / 816 lbs
32° C / 90° F	21° C / 70° F	320 Kg / 705 lbs

Logistic

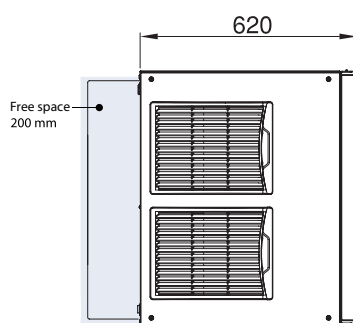
Packing dimensions (WxDxH)	690x830x900 mm
Gross weight	0,52 m3
	106 Kg / 234 lbs

Installation diagram

Frontal view

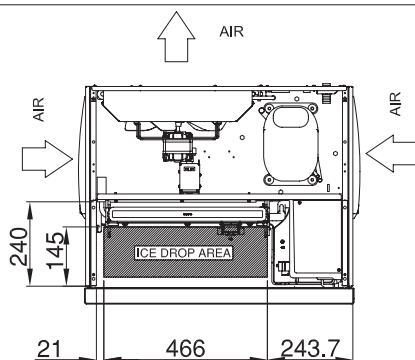


Lateral view

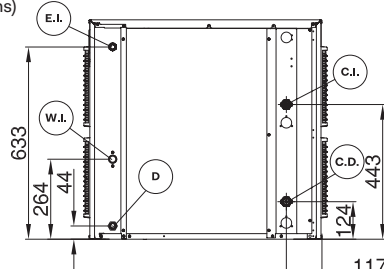


*All dimensions are expressed in mm

Top view



Rear view
(Water and electrical connections)



E.I. POWER CABLE
3x1,5 mm2

D DRAIN HOSE
Ø 20 mm L=2 m

C.D. DRAIN HOSE FOR COOLING
3/4" L=1,5 m

W.I. INLET HOSE
3/4" L=1,5 m

C.I. INLET HOSE FOR COOLING
3/4" L=1,5 m