

KV 90/40

Back counter

90 Kg self-contained ice maker

Paddle system

 KASTEL

Type 5480-5482

KV Series

The KV series combines efficiency, speed and advanced technology to guarantee consistent performance even with particularly hard water. The distinctive hollow structure of the cube, obtained through a paddle system with evaporator fingers, provides a large heat-exchange surface for rapid and effective cooling of the drinks.

*Hollow cube
Paddle system*

Thanks to the natural refrigerant R290, the KV series ensures quiet operation, energy efficiency and reduced environmental impact.

Manufactured in stainless steel and ideal for built-in installation, KV integrates an electronic control with self-diagnosis and dedicated cleaning cycles, for precise, hygienic and consistently professional management operation.

Fields of application

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

Type of ice



Hollow cube 21 g
29 x 32,5 x 41(H) mm
60 pcs per cycle

Product



Highlights

- Hollow cube with a large cooling surface
- Solid stainless steel structure
- Sportello isolato con apertura verso l'esterno, per un accesso semplice e immediato al contenitore del ghiaccio
- 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
- Front ventilation, ideal for reduced spaces (air cooled versions only)
- Front-access air condenser filter, easily removable and cleanable

Details



Package contents

- N° 1 Inlet hose
- N° 2 Drain hose
- N° 1 Ice scoop
- N° 4 Height-adjustable feet

Options and installation kits

- Special voltages
- Water treatment

Certifications



KV 90/40

Back counter

90 Kg self-contained ice maker

Paddle system

KASTE

Type 5480-5482

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)	800x585x880 mm
Net weight	66 kg / 146 lbs
Store capacity	40 Kg / 88 lbs
Type of ice	Hollow cube
Cooling system	A/W
Type of refrigerant	R 290
Electrical supply	230 V 50 Hz
Compressor (ASHRAE conditions)	1.589 W
Average power consumption	600 W
Fuse	10 A
Electrical consumption	16,80 kWh/100Kg
Water consumption	A = 8,6 l/h W = 67,9 l/h
Heat rejected	2.218 W
Noise level	< 70 dB

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

Dimensions without feet

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	96 Kg / 212 lbs
21° C / 70° F	15° C / 60° F	86 Kg / 190 lbs
32° C / 90° F	21° C / 70° F	72 Kg / 159 lbs

Water cooled system

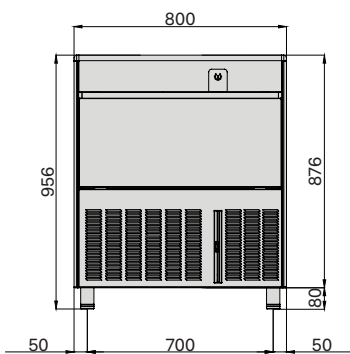
Room temp.	Water temp.	Prod. in 24h
10° C / 50° F	10° C / 50° F	105 Kg / 231 lbs
21° C / 70° F	15° C / 60° F	98 Kg / 216 lbs
32° C / 90° F	21° C / 70° F	91 Kg / 201 lbs

Logistic

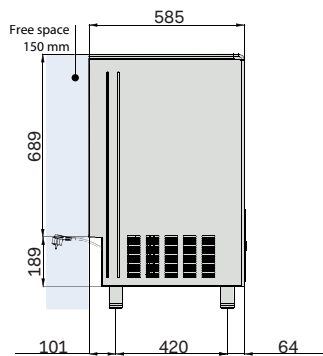
Packing dimensions (WxDxH)	860x640x1050 mm 0,58 m3
Gross weight	76 Kg / 168 lbs

Installation diagram

Frontal view

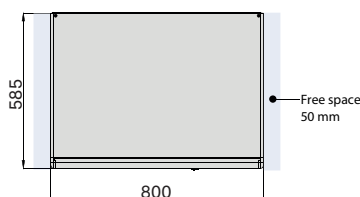


Lateral view

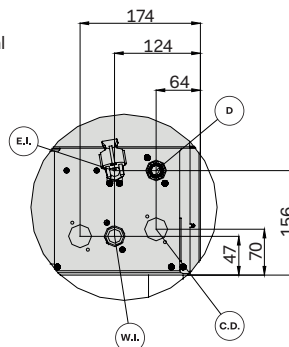


*All dimensions are expressed in mm

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