# KP 160/70
**Back counter**

Type 5044-5046

# 160 Kg self-contained ice maker
Spray system

KASTEL

## KP Series

*Solid cube*
*Spray system*

The KP series is the cornerstone of Kastel s professional ice line.
Elegance, solidity, and innovation come together to create full, crystal-clear, compact ice cubes designed to chill for a long time without diluting, yet enhancing every drink.

The horizontal evaporator spray system guarantees pure and transparent cubes, while the natural refrigerant R290 ensures efficiency while being eco-friendly.
Made entirely of stainless steel, the KP Series combines strength, versatility and intelligent control thanks to its new electronics, for a simple and intuitive management.

## Fields of application

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

## Type of ice

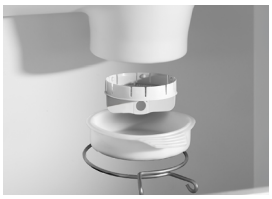
Solid cube 18 g
Ø 33 x 30(H) mm
108 pcs per cycle

## Product

## Highlights

- Solid gourmet ice cube, compact and crystal-clear
- Solid stainless steel structure
- Disappearing insulated door, for easy and immediate access to the storage bin
- Storage bin insulated with HCFC-free expanded polyurethane foam, for optimal ice preservation
- Easy cleanable internal rounded surfaces
- Natural gas R290 with GWP 3
- RoHS Free
- Electronic management with 6-character LED display, multicoloured on/off button and 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)
- Front ventilation, ideal for reduced spaces (air cooled versions only)
- Front-access air condenser filter, easily removable and cleanable
- Easily accessible tray drain plug and pump filter for fast and simple cleaning
- 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 Ice scoop
N° 4 Height-adjustable feet

## Options and installation kits

- Integrated drain pump (DP)
- Star connect Wifi (WIFI)
- Special voltages
- Water treatment

## Certifications

WaterMark

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Type 5044-5046

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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% |

## Performances

Air cooled system

| Room temp. | Water temp. | Prod. in 24h |
|---|---|---|
| 10° C / 50° F | 10° C / 50° F | 162 Kg / 357 lbs |
| **21° C / 70° F** | **15° C / 60° F** | **160 Kg / 353 lbs** |
| 32° C / 90° F | 21° C / 70° F | 145 Kg / 320 lbs |

Water cooled system

| Room temp. | Water temp. | Prod. in 24h |
|---|---|---|
| 10° C / 50° F | 10° C / 50° F | 162 Kg / 357 lbs |
| **21° C / 70° F** | **15° C / 60° F** | **160 Kg / 353 lbs** |
| 32° C / 90° F | 21° C / 70° F | 145 Kg / 320 lbs |

## Technical features

| | |
|---|---|
| Dimensions (WxDxH) | 840x760x985 mm |
| Net weight | 97 kg / 214 lbs |
| Store capacity | 70 kg / 154 lbs |
| Type of ice | Solid cube |
| Cooling system | A/W |
| Type of refrigerant | R 290 |
| Electrical supply | 230 V 50 Hz |
| Compressor (ASHRAE conditions) | 2.910 W |
| Average power consumption | 1.340 W |
| Fuse | 10 A |
| Electrical consumption | 22,86 kWh/100Kg |
| Water consumption | A = 10,2 l/h<br>W = 128 l/h |
| Heat rejected | 2.020 W<br>6.891 BTu/h |
| Noise level | < 70 dB |

All the technical information must be considered at the following conditions:
Dimensions without feet
Standard cube (18 g)
Standard Voltage (50 Hz)
Ambient temperature +32° C
Water temperature +21° C

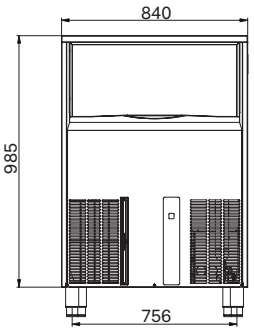
## Logistic

| | |
|---|---|
| Packing dimensions (WxDxH) | 805x890x1140 mm<br>0,82 m3 |
| Gross weight | 109 Kg / 240 lbs |

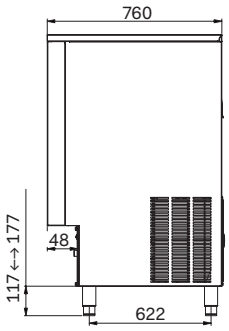
## Installation diagram

*All dimensions are expressed in mm

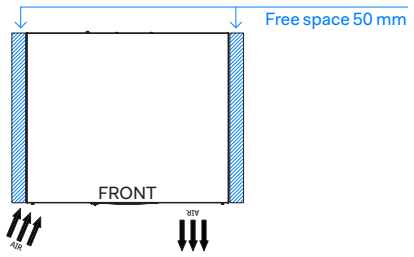
**Frontal view**



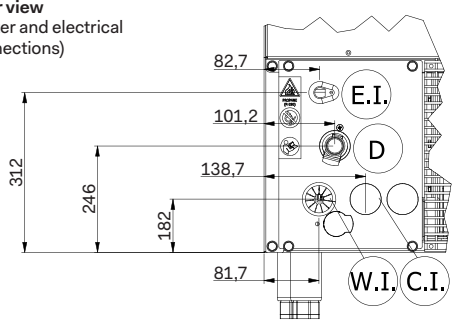

**Lateral view**




**Top view**




**Rear view**
(Water and electrical connections)




**E.I.** POWER CABLE
3x1,5 mm2

**D** DRAIN HOSE
Ø 27 mm L=2 m

**W.I.** INLET HOSE
3/4" L=2 m

**C.I.** INLET HOSE FOR COOLING
3/4" L=2 m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