

# Specification Sheet

## IB 7/40 Classic and Advanced

### Compact and portable high performance Ice Blaster.

KÄRCHER's original ice blasting machine, the IB 15/80, is designed for high performance cleaning and restoration of a wide variety of objects and surfaces. The new, lighter and more compact IB 7/40 offers many of the benefits of the larger machine but can be run from a much smaller compressed air supply, therefore making it ideal for use with in-house compressed air systems.

#### About Ice Blasting

Ice blasting uses dry ice pellets to clean surfaces, tools, moulds and machinery without causing damage to the substrate or the environment. The dry ice pellets are injected into a jet of compressed air, accelerated to speeds in excess of 150 m/s and then fired at the surface to be cleaned. The abrupt cooling of the surface causes a thermal shock and produces fine cracks in the top layer. The dry ice pellets penetrate these cracks, lift the contaminant from the surface and return to the atmosphere as CO<sub>2</sub> gas leaving only the contaminant behind. Ice blasting uses no chemicals, leaves no wastewater, is environmentally friendly and can be used in areas where cleaning with water is prohibited or inconvenient.

#### Features & Benefits

- Optimised for in-house compressed air systems.
- No machine disassembly reducing downtime.
- Integrated earth wire re-winder (Advanced only).
- Lightweight and compact blasting gun with ice and air adjustment built-in (Advanced only).
- Stainless steel construction with removable panels is ideal for servicing.
- Integrated oil and water separator, vital for successful blasting.
- Automatic tank emptying system ensures no ice is left in the unit.
- Digital display with the ability to lock settings.
- Parking position for blasting gun.
- Gradual increase of pressure on start up.
- Demo mode .



**CHEMTEC**

**Ice Blaster - Dry Ice Cleaning Specialist**

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 **KÄRCHER**

## Technical data

## IB 7/40

Dry ice quantity	(kg/h)	15-50
Dry ice capacity	(kg)	18
Dry ice pellets	(Ø)	3mm
Working pressure	(MPa/bar)	0.2-1.0 / 2-10
Air volume stream	(m <sup>3</sup> /min / CFM)	0.5-3.5 / 17.6-61.8
Air hose	(Ø)	1"
Power supply	(~V/Hz)	1 / 240 / 50
Noise level	(dB/A)	99
Weight (Classic/Advanced) (kg)		70 / 71
Dimensions (L x W x H) (mm)		760 x 510 x 1100
Order No.	(Classic)	1.574-001
	(Advanced)	1.574-002

## Applications

Dry ice blasting is ideal for the effective removal of:

- Adhesives and waxes
- Binding and parting agents
- Silicone and rubber residue
- Tar and bitumen
- Paints and lacquers
- Ink and graffiti
- Oils and greases
- Resins and chewing gum

As well as many other deposits on a wide range of surfaces.

## Standard Accessories

- Blasting gun (Classic) 4.775-794
- Blasting gun (Advanced) 4.775-785
- Blasting hose 4.013-042
- Flat jet nozzle 4.321-235
- Nozzle grease 6.288-088
- Flat wrench x 2 7.815-009
- Earth wire re-winder 2.641-741

## Optional Accessories

- Flat jet nozzle, short 4.321-237
- Round jet nozzle, long 4.321-234
- Round jet nozzle, short 4.321-236
- Scrambler 4.110-015
- Nozzle with light 2.815-421
- Angled round jet nozzle, 90° 4.321-249
- Angled flat jet nozzle, 90° 4.321-250
- Nozzle extension 5.760-001
- Handle 4.321-248
- Dry ice shovel 4.321-198
- Ear defenders 6.321-207
- Protective goggles 6.321-208
- Protective gloves 6.321-210

