

COMBI 120H



Fully Automated Machine for Dry Ice Production and Dry Ice Blasting



Several functions in one machine

The COMBI 120H combines several units and functions:

- o A pelletizer unit
- o A dry ice blasting unit
- o Optional integration in plant control units and automation processes
- o Optional distribution system to facilitate the connection of several blasting applicators

The COMBI 120H continuously produces dry ice pellets directly into the pellet tank of the dry ice blasting unit. From there, the dry ice pellets are transported through a distribution system to one or more blasting applicators or robots.

Technical Data

Dimensions mm/inch:

Length: 1600 / 63
Width: 917 / 36.1
Height: 1879 / 74

Weight:

kg: 1023 / lbs: 2255

Rated Output:

kg/h: up to 120
lbs/h: up to 264
of high quality dry ice pellets

Pellet Size Diameter:

mm: 3 - in: 0.11

Inlet Liquid CO₂ Pressure:

bar: 16 - 22
psi: 232 - 319

Power Supply:

3 x 400 V AC + N + PE, 50Hz
Imax.: 25 A
IpK: 6 kA

Rated Power:

kW: 7.5
Hp: 10

Noise Level Below 75 db(A)

Dry Ice Blasting Unit:

Supply Pressure:

bar: min. 5 - max. 16
psi: min. 72 - max. 232

Blasting Pressure:

bar: min. 2 - max. 16
psi: min. 29 - max. 232

Air Consumption:

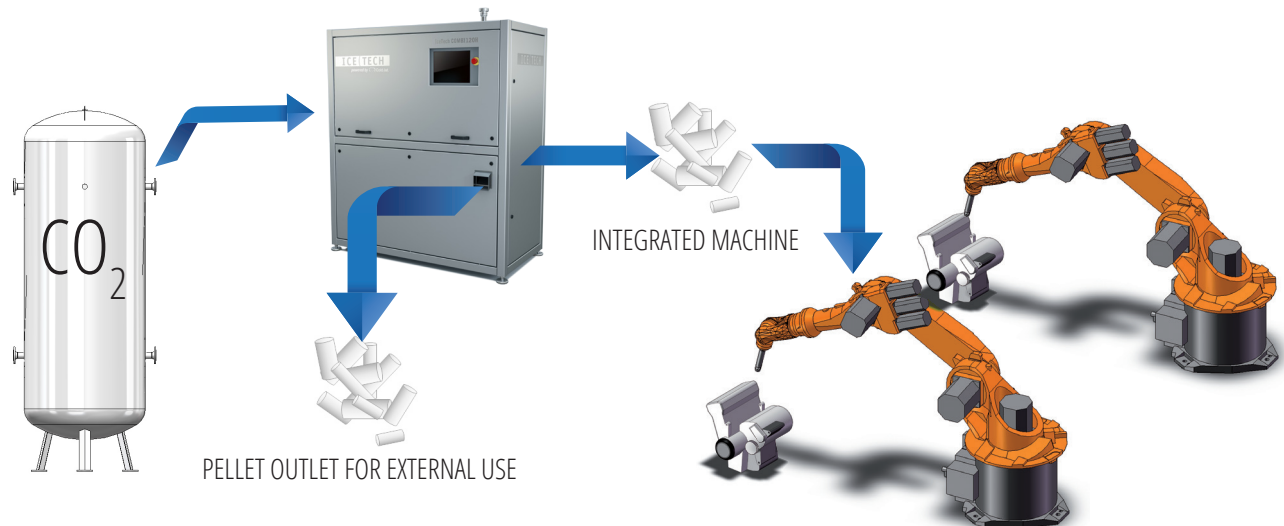
Nm³/min: 3 - 11
cfm: 106 - 388
depending on nozzle combination

Compressed Air Connection:

1" claw coupling
The compressed air must be kept clean and free of oil, foreign bodies and water

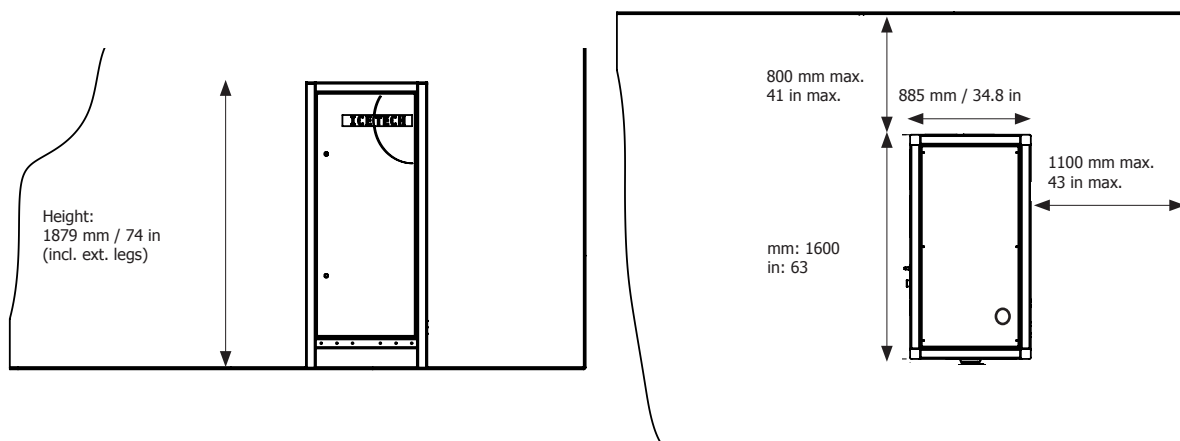
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Advantages of Automatic Dry Ice Production

- o The dry ice pellets available for blasting are always freshly produced (i.e. always of optimum quality because the CO₂ is kept liquid until 30 seconds prior to use).
- o The CO₂ consumption is reduced because only the dry ice quantity required is produced (i.e. no buffer tank).
- o The dry ice is produced directly into the blasting unit (i.e. no time consumption for dry ice charging and no wasted dry ice).



Floor Characteristics and Minimum Clearance Distances

- o The COMBI 120H must be placed on a horizontal concrete floor with an adequate load-carrying capacity. The COMBI 120H must be anchored to the floor, which must be free of cracks and structural deficiencies.
- o The minimum clearance distances must be observed to provide sufficient space for opening the cabinet doors and servicing the machine.

Installation

The installation of the COMBI 120H must be carried out by one of Cold Jet's service technicians, or by a technician approved by Cold Jet.