

blizzard.



system.

Series	b 12/50	b 12/75	b 15/100	b 15/125	b 15/150
Capacity (green peas $t_{in} +15\text{ }^{\circ}\text{C}$, $t_{out} -18\text{ }^{\circ}\text{C}$)	5000 kg/h	7500 kg/h	10000 kg/h	12500 kg/h	15000 kg/h
Infeed height	2800 mm				
Discharge height	1800 mm				
Number of modules Pre-freezing zone	2	3	3	4	4
Number of modules Main freezing zone	4	6	7	8	10
Capacity of drives	2 x 0,37 kW	2 x 0,37 kW	2 x 0,55 kW	2 x 0,55 kW	2 x 0,75 kW

belt.

Belt material	Stainless steel 1.4301 or plastic (POM/PA)				
Useable width	1250 mm		1500 mm		
Belt surface Pre-freezing zone	3,3 m ²	5,0 m ²	6,0 m ²	8,0 m ²	8,0 m ²
Belt surface Main freezing zone	6,7 m ²	10,0 m ²	14,0 m ²	16,0 m ²	20,0 m ²

air cooling unit.

Fin surface area	2 x 2000 m ²	3 x 1900 m ²	3 x 2300 m ²	3 x 2800 m ²	3 x 3300 m ²
Material pipes/fins	Copper/Aluminium or Stainless steel/Aluminium				
Defrosting medium	Air / Hot gas / Electric				
Air temperature	-30°C				
Fans	6 x 18 kW	9 x 18 kW	10 x 22 kW	12 x 22 kW	14 x 22 kW

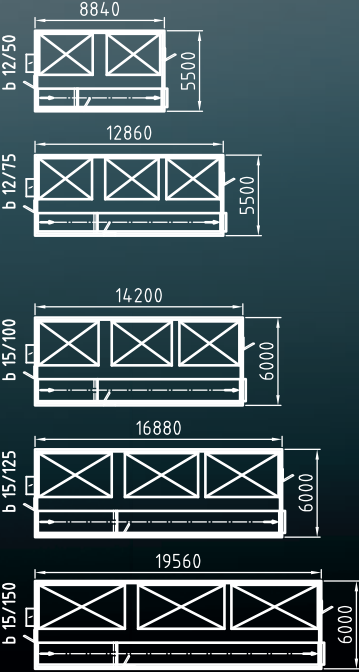
refrigeration data.

Capacity	approx. 620 kW	approx. 920 kW	approx. 1230 kW	approx. 1520 kW	approx. 1810 kW
Refrigerant	R 717 Ammonia, R507, R404, other refrigerants upon request				
Evaporating temperature	-38°C				

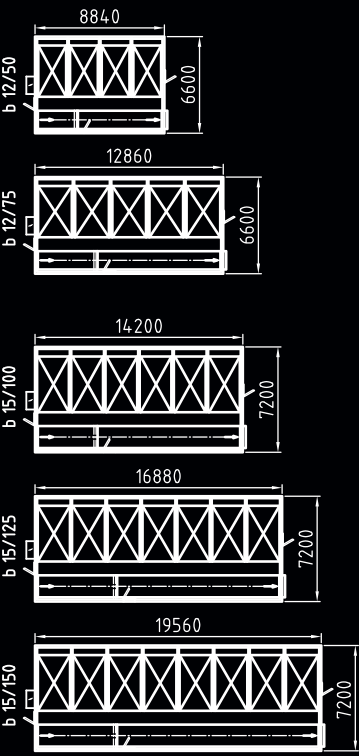
electrical data.

Power requirement	approx. 130 kW	approx. 190 kW	approx. 250 kW	approx. 290 kW	approx. 335 kW
Connected load	approx. 170 kW	approx. 235 kW	approx. 310 kW	approx. 365 kW	approx. 420 kW
Supply voltage	230/440 V, 3-phase, 50 Hz				

shift defrost



sequential defrost

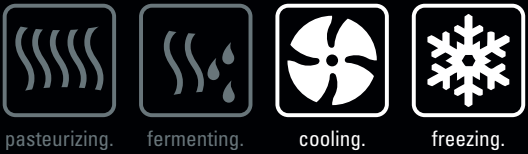


Subject to technical modifications.

B01-2013-EN

Layouts also possible as mirror image.

spiral pasteurizers.
spiral proofers.
spiral freezers. spiral coolers.
fluidised bed freezers.
multilevel box freezers.



heinen freezing gmbh & co. kg · achternstrasse 1-17 · 26316 varel /germany
tel. +49 44 51 122-0 · fax +49 44 51 122-122 · www.heinen.biz

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blizzard.

fluidised bed freezers.

meeting the highest demands. fluidised bed freezers from us.

flexible.



The different number of modules in the pre-freezing and main freezing zone and two system widths enable a tailored design exactly for the desired product and performance. Individually frequency-controlled drives for conveyor system and fans provide the flexibility necessary to handle different products in a single system.

sophisticated.

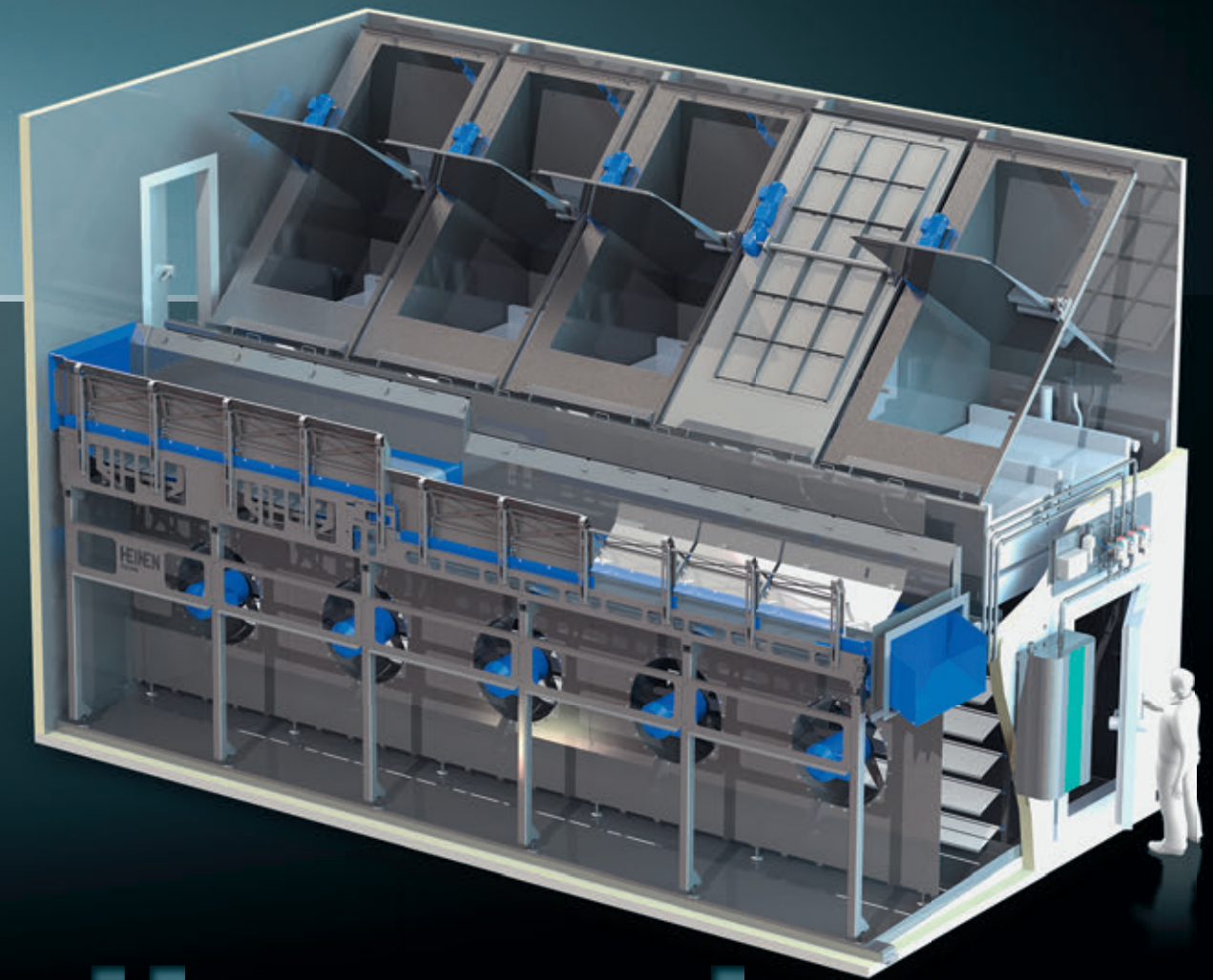


The wall and ceiling panels of the insulating enclosure are lined with stainless steel, while the floor is designed as a fully seam welded stainless steel tray with defined drains. The interior of the enclosure is accessed by means of three insulated stainless steel doors with contact switch and electric frame heating.

versatile.



Light or heavy, soft or hard – every product is different. A variety of different belts made of stainless steel or plastic with different air circulation as well as the frequency controlled belt agitation and variable air volume control guarantee an optimum adaption to the product diversity.



blizzard.

practical.



Pre-assembled modules allow a fast installation as well as the installation in practically any production line arrangement. Installed on the floor, on a foundation, or on a frame, the blizzard is the ideal system for high and very high capacities.

functional.



The blizzard offers state-of-the-art PLC controls, several remote service and communication options, programming and saving of all product and system parameters in recipes, plus elaborate visualization (3D images of the system, temperature trends, etc.) on a colour touchscreen.

efficient.



At the end of production the blizzard can be defrosted with hot gas or electrical heating elements. The snow blow-off system can lengthen the production time without defrosting. Production time up to 144 h without interruption are possible by using the continuous sequential defrosting mode.

modular.



The simple belt cleaning system with a pump unit for increasing pressure generating foam can be progressively upgraded into an extended cleaning system or even further into an extended cleaning system that cleans besides the belt and conveyor system also the entire interior.

reliable.



The design for use in industrial multiple-shift operations; the ideal accessibility for cleaning, maintenance, and service; the use of high quality components, and the elimination of many moving parts guarantee the highest possible reliability.

customised.



The blizzard can be realised with numerous options, such as an insulating enclosure with a stainless steel exterior or a fully welded insulating enclosure, camera inspection, an extend infeed for continuous belt cleaning or a snow- and particle belt filter – custom designed to meet your needs.

