

compact.

system.

Conveyor direction	Up		Down	
Direction of rotation	Clockwise		Counter-clockwise	
Infeed height	800 mm		3000 mm	
Discharge height	3000 mm		800 mm	
Number of tiers	11	15	18	21
Free product height	140 mm	90 mm	65 mm	50 mm
Capacity of drives	1,5 + 0,55 kW			

belt.

Belt material	Stainless steel 1.4301 / AISI 304	Plastic (PP/POM/PA)		
Belt width	457 mm			
Useable width	approx. 400 mm			
Belt length	86 m	117 m	140 m	164 m
Belt surface	32 m²	44 m²	52 m²	61 m²
Belt speed	from 1,5 – V 10,5 m/min.			

air cooling unit.

Fin surface	approx. 450 m ²		approx. 550 m ²			
Material pipes/fins	Copper/Aluminium		Stainless steel/Aluminium			
Defrosting medium	Air	Hot gas	Electric			
Air temperature	-30 °C					
Fan	9 kW					

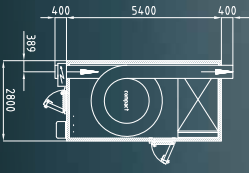
refrigeration data.

Capacity	70 kW	90 kW
Refrigerant	R717 Ammonia, R507, R404, other refrigerants upon request	
Evaporating temperature	-38 °C	

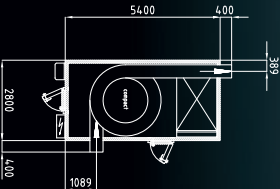
electrical data.

Power requirement	13 kW
Connected load	22 kW
Supply voltage	230/440 V, 3-phase, 50 Hz

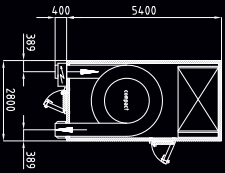
Layout 0°



Layout 90°



Layout 180°



Layouts also possible as mirror image.

Subject to technical modifications.

HEINEN
FREEZING

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



compact.

spiral freezers. spiral coolers.

compact efficiency, completely assembled and ready-to-use.

flexible.



The compact offers flexible belt configurations in three different layouts, rotating clockwise or counter-clockwise and upwards or downwards conveying. The number of tiers and clearance between the tiers can be adapted to the particular product and capacity.

sophisticated.



The wall and ceiling panels of the insulating enclosure are lined inside with stainless steel, while the floor consists of a fully seam-welded stainless steel tray with defined drains. The unit can be accessed by means of two stainless steel doors in the insulating enclosure with contact switches and an electrical frame heating.

versatile.



The conveyor system can accommodate a variety of different belts. Stainless steel or plastic belts, with open or closed belt surface, with small or large pitches, and with or without side plates. The stainless steel and plastic belts can be retrofitted at a later date.

mobile.



The compact comes fully assembled on a base frame. The system is ready for use as soon as the media, such as power, refrigerant and water (for models with cleaning system only) have been connected. The base frame allows it to be moved from one location to another quickly and easily.

functional.



Equipped with a mini PLC and a graphic multifunctional display, all of the system parameters can be set precisely. Frequency-controlled main and auxiliary drives enable infinitely variable regulation of the belt speed and, thus, the retention times.

efficient.



Every compact can be defrosted with fan-driven air once the refrigerant has been switched off. Furthermore, the defrosting process can be enhanced and carried out more efficiently by means of hot gas or electrical heat.

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 a fully integrated cleaning system that cleans the entire interior in addition to the belt and the conveyor system.

adaptable.



Whether equipped with a loading conveyor for the transfer of form sensitive products onto the already collapsed belt, a horizontal infeed conveyor for safe delivery at the infeed or a discharge conveyor for the downstream system – the arctic adapts perfectly to every layout.

customised.



The compact can be realized with numerous options, such as the frequency-controlled fans, touchscreen controls, stainless steel base frame or insulating enclosure with stainless steel exterior. Customised according to your wishes and requirements.

compact.

