

# FRIGOSCANDIA

## GYRoCOMPACT® M7

Spiral Freezer, chiller & proofer



Highly modular and flexible self-stacking spiral freezer

FREEZING



[jbt.com/foodtech](http://jbt.com/foodtech)

# Frigoscandia GYRoCOMPACT® M7

Many evaporator combinations.

- Match any freezing needs precisely
- Easy access and easy cleaning
- Optimized base load

Simplified belt take-up, with less winding. Absolute minimum of tension on the return rail.

- Even longer belt life
- Easier access for cleaning.

Fully seal-welded, stainless steel floor design, open from door to door under conveyor and evaporator.

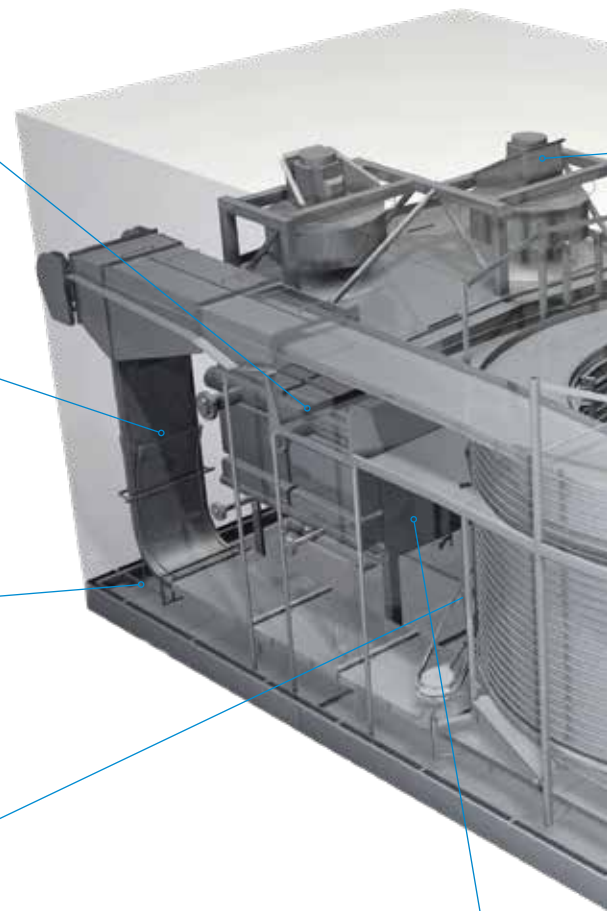
- Improved hygiene
- Instant inspection
- Easy access
- Faster cleaning

Stands fully welded to the floor. Horizontal stand structures with solid rods.

- Design allows for thermal expansion and contraction
- No horizontal hollow sections to collect contamination
- No caulking to crack or damage

Hygienic open freezer design. Large, self-closing hatches open 80°C.

- Convenient access for inspection, cleaning and maintenance
- Optimal operator safety





Fans located on dry side of evaporator. Optimized air velocity through evaporator.

- Increased production uptime
- Greater freezing capacity in-cased reliability
- Maximum heat transfer and frost pick-up
- Easy cleaning

Sloped floor and fully seal-welded drains in each corner of the freezer, with bevelled edges. Elevated floor-to-wall joint.

- Effective drainage where it's needed
- Faster cleaning and less downtime
- No bacterial traps.

Fully integrated, pre-assembled, stainless steel infeed and outfeed. Simplified design with fewer parts.

- Easier access
- No accumulation of condensate
- No traps for bacterial growth

Technical data (SI-system)			
<b>Belt</b>			
Link height (mm)	80	100	120
Vertical clearance for product (mm)	65	85	105
Number of tiers (min-max)	16-40		
Type	FRIGoBELT®		
Width, total (mm)	760		
Width, net (mm)	715		
Width, between infeed covers (mm)	700		
Length per tier (m)	13.1		
Effective belt area per tier (m <sup>2</sup> )	7.7		
Belt speed (m/min)	3.5 - 30 (standard speed range), 2.0 - 15 (optional speed range)		

Electrical data		
	2 fans	3 fans
Main voltage	3 x 400 V or 3 x 415 V, 50 Hz	
Normal power consumption (kW)	38.5	56
Max power requirement (kVA) <sup>1)</sup>	60	85.4
Motors more than 1 kW rating	1 x 1.5 + 1 x 4 + 2 -3 x 18	

Refrigeration data		
Standard design	R717 (Ammonia): Pump circulation ratio = 4-6 times evap.	
	2 fans	3 fans
Base load (kW)	49	67
Base load (kcal/h)	42,000	57,600

Defrosting system		
Defrosting media	Hot gas or potable water	
	2 fans	3 fans
Water consumption (L/min) (at 300 kPa = 3 bar, min 1 bar) <sup>2)</sup>	180	270
Minimum water temp. (°C) <sup>2)</sup>	+15 <sup>3)</sup>	

Noise emissions	
According to Machinery Directive 98/37-EC, 1.7.4(f)	Maximum 80 dB(A)

Application data	
Normal loading distance on straight belt	Rectangular products: 1.7 x product length Round products: 1.5 x product diameter

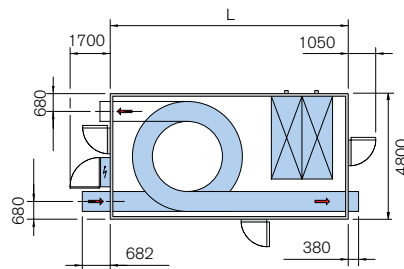
<sup>1)</sup> Valid for dimensioning of power supply fuses/cables.

<sup>2)</sup> Must be potable water.

<sup>3)</sup> For cleaning system +60 °C is needed.

Freezer length	Number of evaporator + fan	
	2	3*
L	8850	9820

\* Optional delivery. Contact JBT sales support for further information.



**FRIGOSCANDIA**

**STEIN DSI**



**Europe**

John Bean Technologies AB  
Rusthällsgatan 21, Box 913  
SE-251 09 Helsingborg  
SWEDEN  
Phone +46 42 490 4000  
info-europe@jbt.com

**Asia**

John Bean Technologies Ltd.  
159/26 Serm-Mit Tower, Room no. 1602-3  
Sukhumvit 21 Road, Klongtoey Nua Sub-district  
Wattana District, Bangkok 10110, THAILAND  
Phone: +66 2257 4000  
E-mail: infoasia-jbtfoodtech@jbt.com

**Latin America**

John Bean Technologies  
Máquinas e Equipamentos Industriais Ltda.  
Av. Eng. Camilo Dirucci 4605  
14808-900 Araraquara, São Paulo, BRAZIL  
Phone: +55 16 3301 2000  
E-mail: latinamerica.info@jbt.com

**North America**

JBT Corporation  
1622 First St.  
Sandusky, OH 44870  
USA  
Phone: +1 419 626 0304  
E-mail: process-solutions@jbt.com



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