

Arcticflow *Energia Mk8*

Twin Belt

Type : Dantech FT/AFMK8/TB 350 - 1800 Series

FREEZING & TEMPERATURE DIVISION



- **Compact Unit**
- **Energy Saving**
- **Great Flexibility**
- **Fast Installation**

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The *Arcticflow® Energia MK8* Freezer is specially designed for a great variety of flat and fragile products, such as: Burgers, Fish Fillets, Nuggets, Poultry fillets, Mussels, Shrimps, Diced Meat, Vegetables, fruits and Green Peas etc.

The freezer is based on the energy saving high speed horizontal *Arcticflow®*, which together with the ultra low temperature ensure a quick and homogenous freezing within a minimum of time. Thus ensuring a fine quality product, with an equalized core temperature of min. -18° C.

We offer the freezer with 4 different belt types. With special selection of the belt type, depending on products to be processed.

The product is led past the high velocity airflow called *Arcticflow®*, which blows the air along the belt and over the products. The air is then returned continuously through the specially designed evaporators.

The *Arcticflow® Energia Mk8* Freezer special features:

- Lowest energy consumption in the market
- Very small foot print
- Complies with the strictest hygienic demands from all well known institutions.
- Standard prepared for easy connection to CIP System.
- Very long running hours in between defrosting requirements.

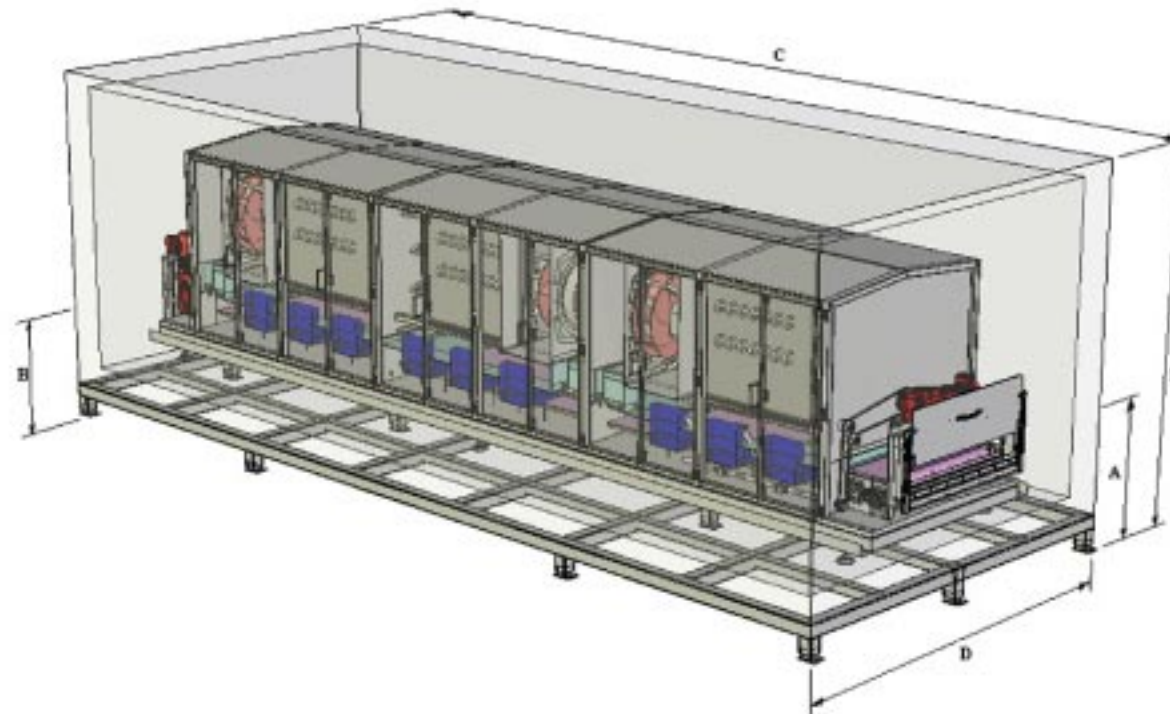
The freezer can be used as a stand-alone unit or as an integrated part of a fully automated processing line.



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ARCTICFLOW ENERGIA Mk8 TWIN BELT

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The Arcticflow *Energia Mk8* Freezers are available in solutions ranging from 1 - 12 modules in both belt widths

Arcticflow <i>Energia Mk8</i> Freezer Twin Belt - Dual Impingement	FT/AFM8 /TB/700/2/70	FT/AFM8 /TB/700/4/140	FT/AFM8 /TB/700/6/210	FT/AFM8 /TB/700/12/420	FT/AFM8 /TB/850/2/83	FT/AFM8 /TB/850/4/166	FT/AFM8 /TB/850/6/249	FT/AFM8 /TB/850/12/498
TECHNICAL DATA :								
No. Of Modules	2	4	6	12	2	4	6	12
Belt Width (Effective) (mm):	700	700	700	700	850	850	850	850
Belt Width (Overall) (mm):	750	750	750	750	900	900	900	900
Belt Length (mm):	5070	9390	13710	26670	5070	9390	13710	26670
No. of belt :	2	2	2	2	2	2	2	2
Belt Speed (*) (m/min):	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
Product Height (Normal) (NP) (mm):	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125
Product Height (High version) (HP) (mm):	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225
Product Infeed Height (A) (mm):	850	850	850	850	850	850	850	850
Product Discharge Height (B) (mm):	595	595	595	595	595	595	595	595
Max. Length (C) (mm):	5420	9740	14060	27020	5420	9740	14060	27020
Max. Width (D) (mm):	3500	3500	3500	3500	3800	3800	3800	3800
Max Height (E) (mm):	2700	2700	2700	2700	2700	2700	2700	2700
Coolant Supply to Evaporator (*) (KW):	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies
Max Evaporator Available (KW):	70	140	210	420	83	166	249	498
Suction Temp at Evaporator (°C):	-40	-40	-40	-40	-40	-40	-40	-40
Air Temperature (°C):	-35	-35	-35	-35	-35	-35	-35	-35
Cooling Medium :	R404A/R717/R22	R404A/R717/R22	R404A/R717/R22	R404A/R717/R22	R404A/R717/R22	R404A/R717/R22	R404A/R717/R22	R404A/R717/R22
Cooling Pump Flow Rate :	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times
Total Power Consumption (Max.) (*) (KW):	6.4	12.6	19.2	38.4	9.6	19.2	28.8	57.6
Installed Fan Power (KW):	8	16	24	48	12	24	36	72
Power Supply (KW):	11	19	27	51	15	27	39	75
Voltage (V):	3 x 400/50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz

Design:

- Cabinet : 125mm fully welded Stainless Steel Panels
- Conveyor : Stainless Steel Conveyor Frame & Belts
- Optional : Pre fabricated PU Panel Stainless Steel Surface or White PVC

PLC/Touch Screen Control Panel :

- Stepless control of belt speed
- Digital read out of freezing time
- Digital read out of air and evaporating temperature
- Digital control of stepless adjustments of plates
- Start/stop of belt
- On/off switch for light in tunnel

All above mentioned details are subject to change without notice !

(*) These parameters will be different depending on the Geometrical and Thermal Characteristic of Product

Different Belt Types for an *Energia Mk8* Tunnel Freezer



DTZ Belt



Stainless Steel Mesh Belt



DTZ Flat Modular Stainless Steel Belt



Plastic Modular Belt

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