

# Blast freezing tunnel unit cooler



## NF industrial range

- High capacity of up to 110 kW.
- The high air flow speed guarantees extremely rapid refrigeration of food.
- Large heat-exchanger surface and large fin spacing of 9 mm.



35  110 kW



# NF - Industrial blast freezing tunnel unit cooler

## Market segments



FCS Food processing

## Description

### Ventilation

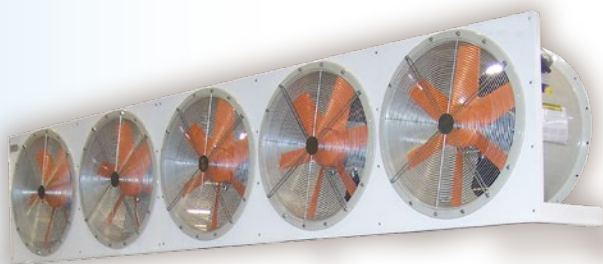
- Fan delivered separately and installed above the coil.
- Fans Ø 710 mm 230/400 V/3/50 Hz, IP 55, class F.

### Coil

- Coil with staggered copper tubes and embossed aluminium fins.
- Fin spacing of 9 mm.

### Defrost

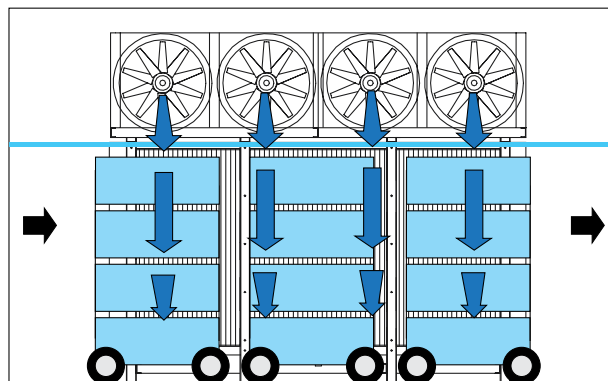
- Drain pan under the entire heat-exchanger.
- Electric defrost.



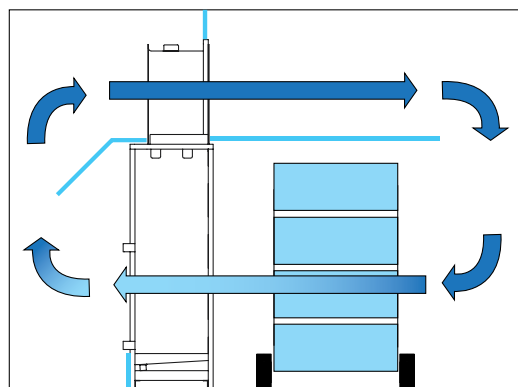
## Designation

**NFT** <sup>(1)</sup> **280** <sup>(2)</sup>

- (1) Fin spacing: **NFT** = 9 mm
- (2) Model



Deep-freeze tunnel principle with an NF



## Certifications



## Advantages

### Installation

Due to the unit height, the NF is supplied in 2 parts:

- a coil, frame, drain pan and heater assembly,
- a fans assembly.

### Servicing / Maintenance



Inclination of the drain pan towards the largely dimensioned drain pipe (Ø 1 1/2" G) to avoid accumulation of soiling and render cleaning easier.

Kit	Factory
CO2	
ECB	

## Options

### Coil

R744 optimization (please contact us for details)

### Miscellaneous

Full crate packaging.

### Other options

Please contact us for details.

## NFT - 100 Pa (1)

9 mm

		NFT ...	280	401	507	676	802
Capacity R404A	DT1 = 7K - SC 3 (2)	kW	43,5	64,3	82,9	109,3	129,6
	DT1 = 6K - SC 4 (2)	kW	33,6	49,7	64,1	84,7	100,1
Surface		m <sup>2</sup>	307,8	442,1	559,6	746,2	884,2
Circuit volume		dm <sup>3</sup>	121,1	173,9	220,2	293,6	347,9
Fan* Ø 710 mm 1500 r.p.m.	Air flow	m <sup>3</sup> /h	31800	46500	60400	78500	94200
	Air throw (3)	m	41	49	56	64	71
		Nb	2	3	4	5	6
Electric defrost 400 V/3/50 Hz		Ω	Nb	19 + 2	19 + 2	19 + 2	19 + 2
		W total	27300	47250	59850	79800	92400
		A total	39,6	68,5	86,7	115,7	133,9
Net weight		kg	600	830	1060	1330	1560
Connections	Inlet	Ø (4)	1"3/8	2x 1"1/8	2x 1"3/8	2x 1"3/8	2x 1"3/8
	Outlet	Ø (5)	2"5/8	2x 2"1/8	2x 2"5/8	2x 2"5/8	2x 3"1/8
Options		CO2					
		ECB	0	0	0	0	0

\* 2.2 kW max - 230 V/3/50 Hz : 8.5 A max - 400 V/3/50 Hz : 4.9 A max. (6).

(1) Additional air pressure available in Pascal.

(2) See page 10.

(3) Residual air speed: 0.25 m/s, in compliance with standard.

(4) Distributor: Male to be brazed.

(5) Ø: Male to be brazed.

(6) Setting of overload protection levels.

## Sound power per fan Lw

	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Lw - dB(A)	58	78	86	91	93	90	83	72

