SKT IQF FloFreezer - 8.000 kg/hr

Specifications

Brand	SKT
Type	IQF FloFreezer - 8.000 kg/hr
Capacity	1500 kW
Refrigerant	NH 3 (ammonia)
Capacity per hour examples:	Peas: 10.000 kg/hr Blueberries: 8.000 kg/hr Carrots: 6.000 kg/hr Cauliflower: 6.300 kg/hr
Evaporator specifications	10x NH3 evaporators with a capacity of 1500 kW each
Condition	Good
Total effective belt length	18,8 meter (21,6 meter total)
Effective belt width	1,5 meter
Stock	1



Description

Used SKT IQF FloFreezer - 8.000 kg/hr

Used SKT IQF FloFreezer on NH3. The belt of the tunnel freezer consists of 3 sections:

First section: Infeed belt (2.800 mm)
This section is for laying the product on the belt to get into the tunnel freezer.
Second section: Stepped belt (6.300 mm)
Third section: Freezer belt (12.500 mm)

The belt has a total length of 21,6 meters with an effective belt length of 18,8 meters and an infeed belt of 2,8 meters. The freezer comes with 10 centrifugal fans that are driven by an electric motor with an output between 37 kW and 15 kW. These fans push the air through the belt from under what

makes this freezer so efficient and makes sure the product doesn’t freezes on the belt.

Too make sure that the tunnel freezer stays efficient and keeps his capacity their is an automatic defrosting system. The defrosting system consists of two freezing doors, one at the air entrance of the evaporator (coil) and one at the air exit of the evaporator.

During freezing pocess the two doors slide before the evaporator so no cold air can pass through , then the hot gas opens (automatically) and all the melting snow /water flows through a drain system to the outside of the tunnel. Defrosting time is adjustable through the PLC.

The control cabinet is the central hub for managing the SKT FloFreezer. It houses the main control systems, including the PLC, which ensures seamless operation of all machine components. The cabinet also contains the control interface for the fans, conveyor system, and other essential functions.

To optimize performance and energy efficiency, each fan or pair of fans is equipped with a dedicated frequency inverter. These inverters allow for precise speed control, ensuring optimal airflow and reducing energy consumption. The system is fitted with high-quality Mitsubishi frequency inverters, including:

• A800 & F700 – 37 kW
• A500 (various models) – 22 kW to 30 kW
• A500 (dual setup) – 4x 15 kW to 2x 18,5 kW

The tunnel freezer has the following

capacities:

Product: Blueberries
Capacity: 8.000 kg/hr
Infeed temperature: +10°C
Outfeed temperature: -18°C
Evap. Temperature: -40°C

Product: Peas
Capacity: 10.000 kg/hr
Infeed temperature: +10°C
Outfeed temperature: -18°C
Evap. Temperature: -40°C

Product: Cauliflower or carrots
Capacity: 6.300 kg/hr
Infeed temperature: +10°C
Outfeed temperature: -18°C
Evap. Temperature: -40°C

The tunnel freezer is still installed at the factory where they used it for freezing spinach and it's possible to visit it here.

*Why choose for HOSBV? We are not only the largest used refrigeration specialist in Europe, but also, we deliver all equipment including an extensive test, warranty and industrial cleaning. *Optional we can also perform a new paint job and arrange the logistics.




CE
SKT
IEPER BELGIUM
Tel: 32 57/ 21 86 21
Fax: 32 57/ 21 86 22
BOUWJAAR
1997
TYPE
TUNNEL 10 MOB
SERIENR.
9618F
TUNNEL 5







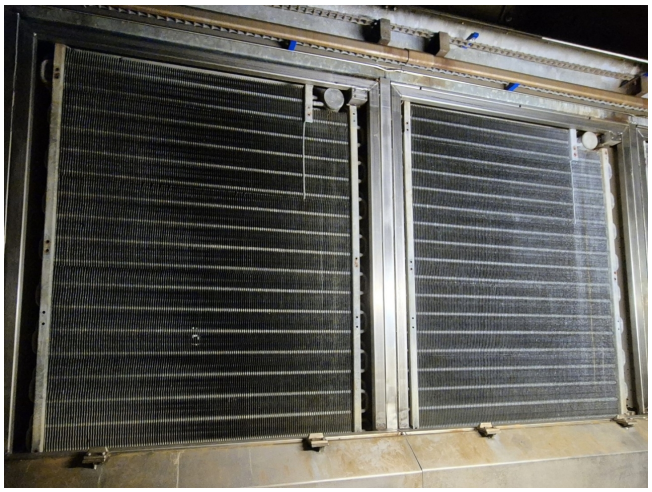






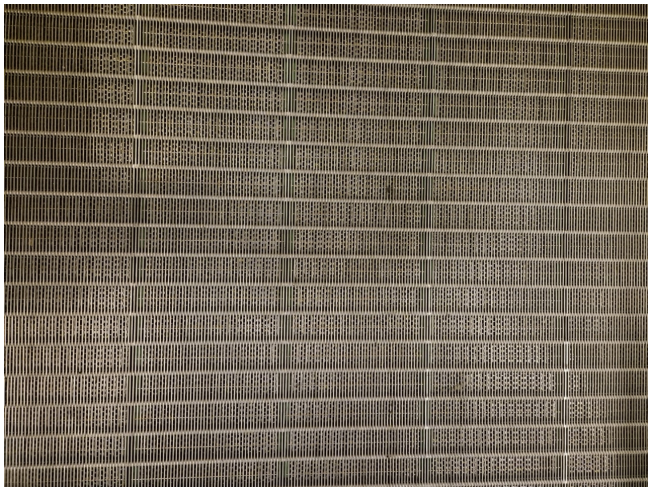










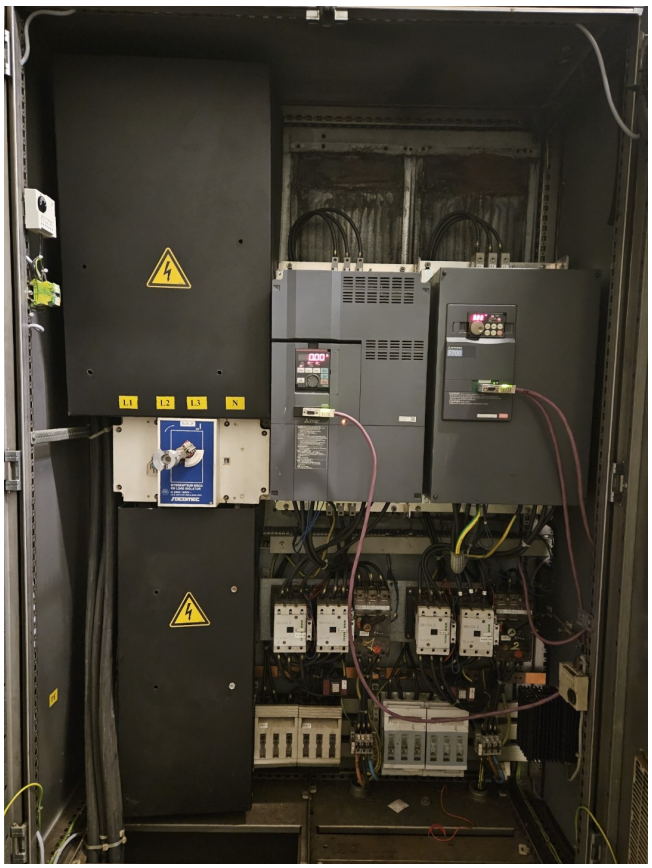


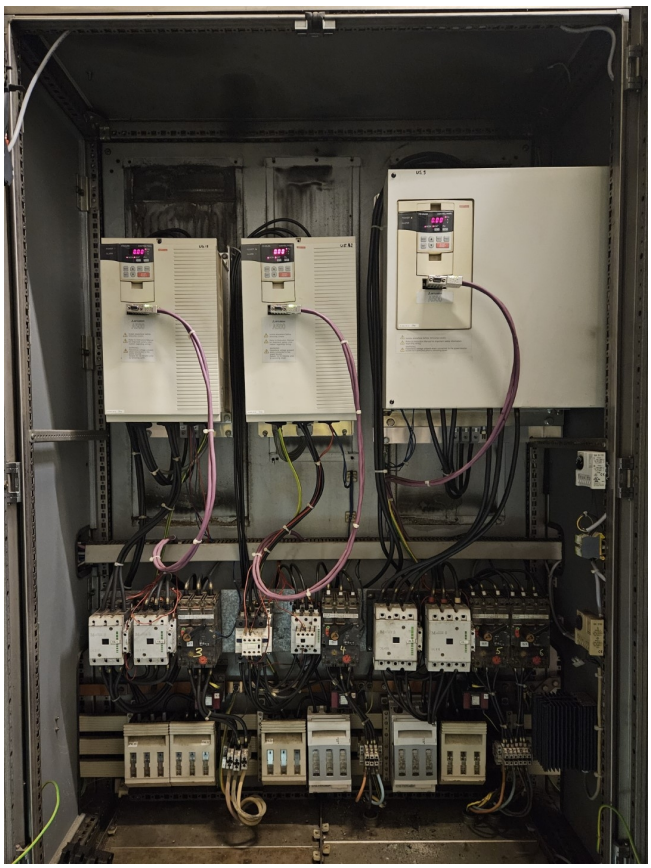


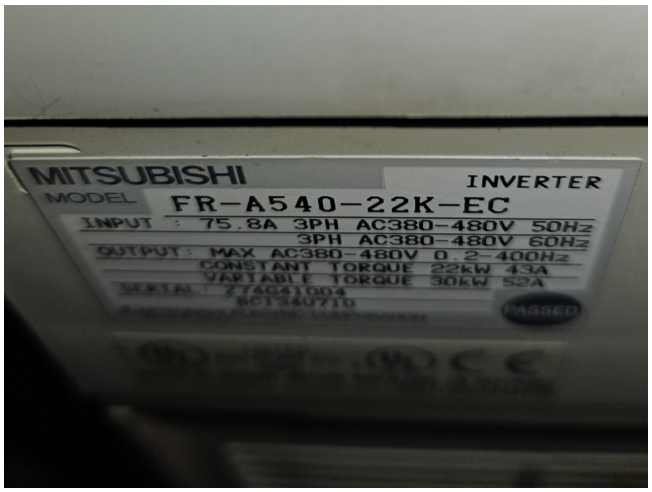


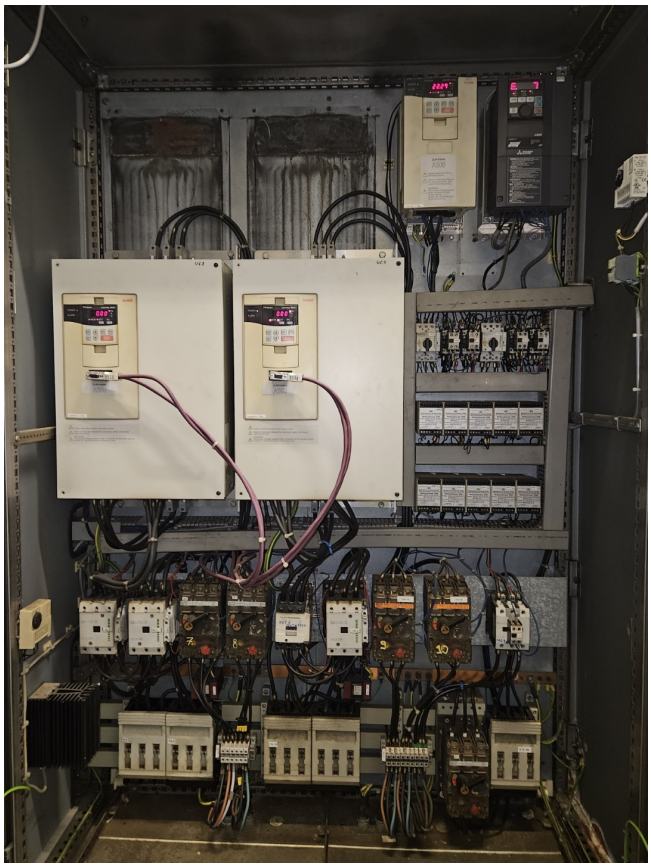

TUNNEL 5

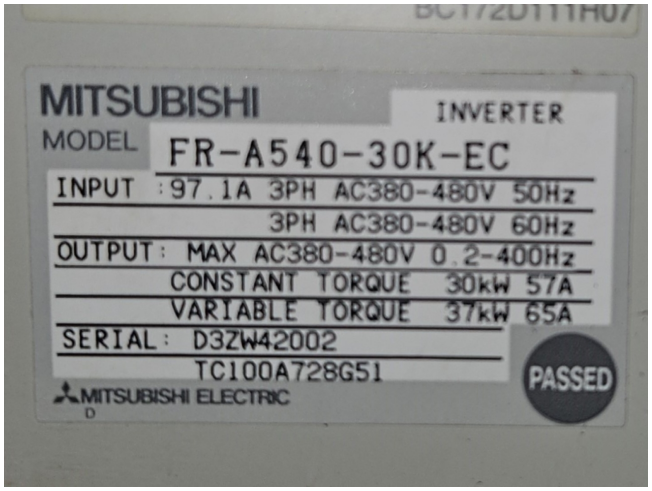

TUNNEL 5


L1
L2
L3
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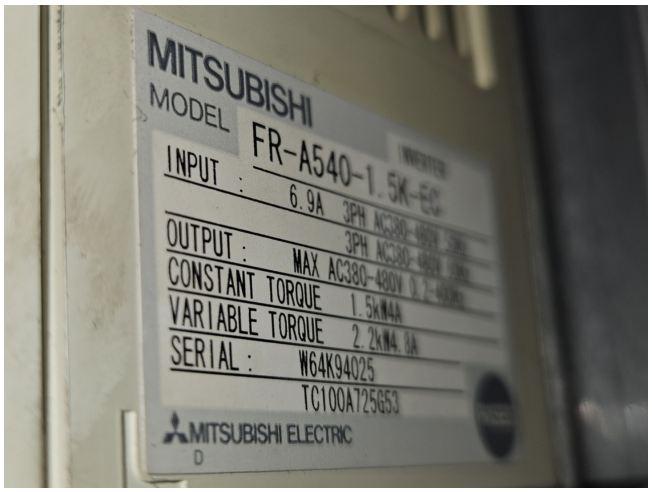



MITSUBISHI
INVERTER
MODEL
FR-A540-22K-EC
INPUT : 75.8A 3PH AC380-480V 50Hz
3PH AC380-480V 60Hz
OUTPUT : MAX AC380-480V 0.2-400Hz
CONSTANT TORQUE 22kW 43A
VARIABLE TORQUE 30kW 52A
SERIAL : 774041004
PASSED




MITSUBISHI
INVERTER
MODEL
FR-A540-30K-EC
INPUT : 97.1A 3PH AC380-480V 50Hz
3PH AC380-480V 60Hz
OUTPUT : MAX AC380-480V 0.2-400Hz
CONSTANT TORQUE 30kW 57A
VARIABLE TORQUE 37kW 65A
SERIAL : D3ZW42002
TC100A728G51
MITSUBISHI ELECTRIC
PASSED


A500
A800


MITSUBISHI
MODEL FR-A540-1.5K-EC
INPUT : 6.9A 3PH AC380-480V
OUTPUT : MAX AC380-480V
CONSTANT TORQUE 1.5kW4A
VARIABLE TORQUE 2.2kW4.8A
SERIAL : W64K94025
TC100A725653
MITSUBISHI ELECTRIC


MITSUBISHI ELECTRIC
MODEL : FR-A840-00052-2-60 INVERTER
INPUT : 3PH AC380-500V 50Hz/60Hz
OUTPUT : 3PH AC380-500Vmax 0.2-590Hz
SERIAL : E56L13035
TC102A212G63
DATE: 2015-06
MITSUBISHI ELECTRIC DALIAN INDUSTRIAL PRODUCTS CO.,LTD. MADE IN CHINA
Designed by
MITSUBISHI ELECTRIC CORPORATION

