



FINNCOLD THAWING PROCESS EQUIPMENT MTS-6

Product number **1101012006**

Technical information

Size	4460 x 2800 x 3100
Capacity	3 – 6 euro pallets (1 800 – 3 600 kg) / process
Area of activity	-20 °C (-18 °C) ...+2 °C, Products in E2 boxes or trolleys. -20 °C (-18 °C) ... -2 °C, Products in E2 boxes, trolleys or in carton packages + spacers between layers. Optimal thawing process is achieved when the product's start temperature is -20 °C (-18 °C) in case of both the scheduled process and the so called direct thawing process.
Defrosting time	Varies by product / by packaging, indicative times: -20 °C...- 2 °C 8 - 12 h

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-20 °C...+ 2 °C 12 - 18 h

INTERFACE DATA

Electrical connection

400 V 100 A

Water connection

R ½", 4 bar

Compressed air supply

R ½", 2,8 bar

TECHNIC OF PROCESS EQUIPMENT

Cooling

Hermetic refrigeration compressor, refrigerant R449, cooling capacity of 4,7 kW (-10 °C / +32 °C). If the temperature of the surrounding environment exceeds +32 °C, the efficiency of the cooling compressor drops thus the thawing process is prolonged.

Heating

Electric resistor heating, power 45 kW.

Air circulation

Air circulation with EC -fans (3 pcs).

Air flow guide

Rising and lowering with a spindle motor

PLC control

LC control: The control logic Omron / KOMETOS. The thawing system will be connected to client's Ethernet-data network, through which Kometos has the opportunity for a secure service connection. IP addresses from a client. Ethernet connection enables to get thawing data from PLC.

OPTIONS

Freezing -6 °C

Capacity 3000 kg