



FINNCOLD THAWING PROCESS FOR OUTDOOR USE FC-MTC-15

Product number **1101013015**

TECHNICAL INFORMATION	
Size	8890 x 2800 x 3300
Capacity	9 – 15 euro pallets or 5400 – 9000 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 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.
Thawing time	Varies by product / by packaging, indicative times: -20 °C...- 2 °C 8 - 12 h -20 °C...+ 2 °C 12 - 18 h
Structure	a technology space integrated into the outdoor defrosting system with a control panel, cooling equipment and water and compressed air connections for moistening.
Frame	Self-supporting metal subframe, 8 pcs support legs.
Weight	Total weight appr. 4 500 kg
TECHNIC OF THAWING EQUIPMENT	
Cooling	Hermetic refrigeration compressor, refrigerant R449, cooling capacity of 7,2 kW (-8 °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 60 kW.
Air circulation	Air circulation with EC-fans (3 pcs).
Air flow guide	Rising and lowering with a spindle motors.
PLC control	Control plc KOMETOS. The operating panel is located outside next to the process room door. Thawing equipment can be connected to the 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.
INTERFACE DATA	
Electric connection	3 x 400 V 125 A
Water connection	R ½", 4 bar
Compressed air supply	R ½", 2,8 bar
Drain connection	Ø 75 mm