

COOLNOVA COMBI

Thaw frozen foods quickly with Coolnova COMBI chamber, preserving valuable nutrients and taste.



Multi-use

Coolnova COMBI offers both efficient thawing and cooling. After the thawing process is over and set temperature in the product is reached, the cabinet can switch into cooling-mode, ensuring that the quality regained from thawing is kept intact.

Loading capacity

COMBI offers a capacity up to 1000 kg (1 ton). Required thawing time is not affected by the quantity loaded. Increase capacity by combining two or more cabinets.

The natural mist

Mist from water is created in the top. It is then pushed out through the holes where it follows the airflow in the chamber. The mist, together with the airflow secures quick and optimal defrosting and makes sure that your product is defrosted as evenly as possible. Does not require uniform size.

Closed climate

A closed environment gives you full control over the thawing process. Control of fan speed, temperature, humidity and ensure the right set-temperature for your product with temperature sensors.

Reduce food waste, water and electricity consumption

Traditional ways of thawing requires a lot of water and decreases the shelf-life of the product. Thawing with Coolnova ensures your product shelf-life, and requires only 0.07l water per kg fish and 0.12 kWh / kg fish.

Specification

- Made from stainless steel and PPE panels. Size 512x252x253 cm (LxHxW).
- Loading capacity 1000 kg in two trolleys.
- Total EL capacity: 60 kW. The temperature range for thawing and chilling is +30C to -1 °C.
- Open internet port for remote access and support.
- Required EL supply of 400 VAC, 75 kW, and 60 l water per hour.
- Normal delivery time. 12 Weeks Ex. Factory in Lithuania. One cabinet is available immediately from stock.

See below for more information on specifications, usage and other.

LOADING CAPACITY (KG): Up to 1000 kg

DIMENSIONS CABINET (M): Height 2,52m. Depth 512m. Width 2,53m

LOADING CAPACITY (M): Height 2,29m. Depth 205m. Width 1,42m

POWER SUPPLY:

- Voltage: 400VAC
- 5 wires (3 phase/PE/N), 50Hz
- Control voltage: 24V DC
- Remote control possibility (ethernet connection)

CUSTOMER SUPPLY OF:

- Wastewater drain connection
- Electrical connection
- Domestic water connection

WATER SUPPLY:

- Water supply: 2-6 bar
- Consumption (humidifier): 30 l/h
- Total consumption: 60 l/h
- Water inlet: 12mm
- Drinking water quality

EFFORT:

- Total EI 75KW
- Heating elements 55kW
- Compressor 5,5kW
- Fans 3,3kW
- Temperature range: 0-30C

TECHNICAL DETAILS:

- PLC/HMI controller
- Interface language: English
- 3 room temperature sensor
- Device thermo control with 4 thermostats
- Compressor pressure control (valve, different pressure control)
- Visual alarm on the operator panel for easy indication
- Two operating modes: thawing and chilling
- User-level function (operator, supervisor, or service)
- Data-logging function (graphs and trends)

ELECTRICAL SCHEME AND MANUALS:

- Electrical scheme
- Operating manual
- Devices manual (compressor maintenance, cleaning, etc.)
- Assembly drawing