

Carton Box Freezer

Specifications

Brand	Carton Box
Type	Freezer
Capacity	15.000 kg/24h
Refrigerant	NH ₃ (ammonia)
Stock	1



Description

Used Carton Box Freezer

We offer a complete industrial NH₃ (ammonia) freezer installation designed for efficient freezing of carton-packed products. The system is built for reliable, continuous operation in demanding food production environments and delivers stable performance at low temperatures.

The installation is equipped with NH₃ evaporators from Riemer + Timmann and a two-stage reciprocating compressor, model RC 6311, manufactured by GEA Grasso. This robust compressor setup ensures high efficiency and dependable low-temperature performance.

Freezing Capacity:
- Capacity: 15 tons per 24 hours

- Operating temperature: -24°C
- Carton weight: 12-15 kg per box
- Throughput: approximately 2,000 boxes per 24 hours
- Infeed/Outfeed rate: 80-90 boxes per hour

The freezer is designed to ensure uniform airflow and consistent freezing quality across all products.

Control & Automation

The installation includes two fully equipped control cabinets:

Control Cabinet 1

Moeller MV4-150-TA1-000 Operator Touch Panel

2 × Nord Drivesystems NORDAC 700E frequency regulators

2 × Siemens MICROMASTER 420 frequency inverters

Schneider Electric Telemecanique ALTIVAR regulator

Control Cabinet 2

Siemens SIMATIC touch panel

The system offers automated control of compressor operation, evaporators, fan speeds, safety functions, and temperature monitoring, ensuring efficient and safe performance.











