

Technical Characteristics of Neos 100S+ Cooling Machine

The proposed refrigeration machine is the **Carrier Neos 100S+** model, powered by the **vehicle's battery** and a **single-phase electric motor**.

Technical Specifications

- Powered by the **vehicle's battery** with compressor
- Powered by a **single-phase electric motor**, for the operation of the refrigerating machine with power supply when the vehicle is stationary
- Air supply to the evaporator **700 m³/h**
- Machine weight **73 kg**
- **Automatic and manual defrosting**
- Ecological Freon **R-134a**
- Cooling capacity **with an outdoor temperature of 30°C** (according to the European ATP standard)

0°C	1.160 W
-20°C	450 W

Note: For the correct and trouble-free operation of the machine a power dynamo of at least 125A and a 90Ah battery are required.



Cab Control

- **Electronic Cab Control** for simple machine operation from the driver's cab
- Indications of faults and operating hours.



We note that:

- The above temperatures are **given by the manufacturer with an outdoor temperature of 30°C**.
- **For the distribution case, PVC curtains are necessary** to limit the cooling losses from the opening of the vehicle doors.
- In the case of **dense distribution** (i.e. more than 10 door openings or even less in an extremely short period of time), it goes without saying that the desired cooling temperatures cannot be achieved during distribution.
- Especially for the **transport of frozen products**, before loading it **is necessary to pre-cool** the loading area, either by operating the vehicle's battery or the electric motor (it is desirable that the refrigeration machine has an electric motor).