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Technical Characteristics of Neos 200S+ Cooling Machine

The proposed refrigeration machine is the **Carrier Neos 200S+ EE** model with a drive from the **battery of the vehicle** but also from 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 **1.125 m3/h**
- Machine weight **75 kg**
- **Automatic and manual defrosting**
- **Possibility of heating,** during the winter months, with a power of **800 W**
- Ecological **Freon R-452A**
- Cooling capacity **with an outdoor temperature of 30°C** (according to the European ATP standard)

0oC	**1.520 W**
-20oC	**550 W**

Note: For the correct and trouble-free operation of the machine a power dynamo of at least 180A 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 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).