Refrigeration unit data sheet

Thermo King V300 max 50 Spectrum

Roof · Chilled and frozen goods transport



1,880 Watt	12 V	2x 890 m³/h	+221 mm
Refrigeration capacity at -20 °C	Operating voltage	Air flow	Installation height

Technical data

Refrigeration unit drive during vehicle operation	**Belt drive**
Maximum current	**452 A**
Refrigerant	**R452a**

Performance features

- For vehicles with two temperature zones separated by a transverse partition
- Split unit for installation on the front wall above the cab with two ES 150 evaporators
- Refrigeration while driving, 12 V (driven by the vehicle engine)
- Stationary / overnight refrigeration (220 V electric motor)
- Fully automatic temperature control with heating in the chilled goods compartment
- Manual defrost or automatic timer-controlled defrost
- In-cab remote control with two thermostats The remote control and temperature recorder are installed in the existing available DIN slot. Otherwise, they are installed at a location we consider suitable. Subsequent changes can be made and will be charged according to the work required.
- MTC dual-temperature module
- DSR controller – Smart Reefer
- Effective refrigeration capacity at an ambient temperature of 30 °C under ATP conditions: Per evaporator: approx. 2,500 Watt at 0 °C Approx. 1,100 Watt at -20 °C
- Total heating capacity (conditions: +18 °C/-18 °C): 3,100 Watt
- Unit weight approx. 155 kg
- R452A refrigerant: particularly environmentally friendly – 50% lower CO2 impact; complies with legal requirements from 2020

Available for

Renault
Master – Frozen goods – belt-driven refrigeration

Project-specific assessment

Base vehicle and installation situation · Temperature range and route profile · Power supply and stationary periods

Suitability is assessed according to the base vehicle, installation situation, temperature range and route profile.

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