

Description

Introduction

UWE Whisper K200 is a fan heating unit in the Whisper family and is specially designed for small spaces. Taking little space is a feature which leads to greater choices of placement. Another benefit is the ability to quickly reach the desired temperature.

Buses, and other vehicles are excellent choices for the K200. The increased efficiency offered means that space can be saved. In this case, less means more.

Construction

The K200 consists of an heat exchanger, four fans, electrical components, and supporting parts. Parallel to the heat exchanger are axial fans with the connecting electrical cables. Fans are brushless types and have long lasting ball bearings.

The above components are mounted in an anodized aluminium container, intergrated as a mounting bracket.

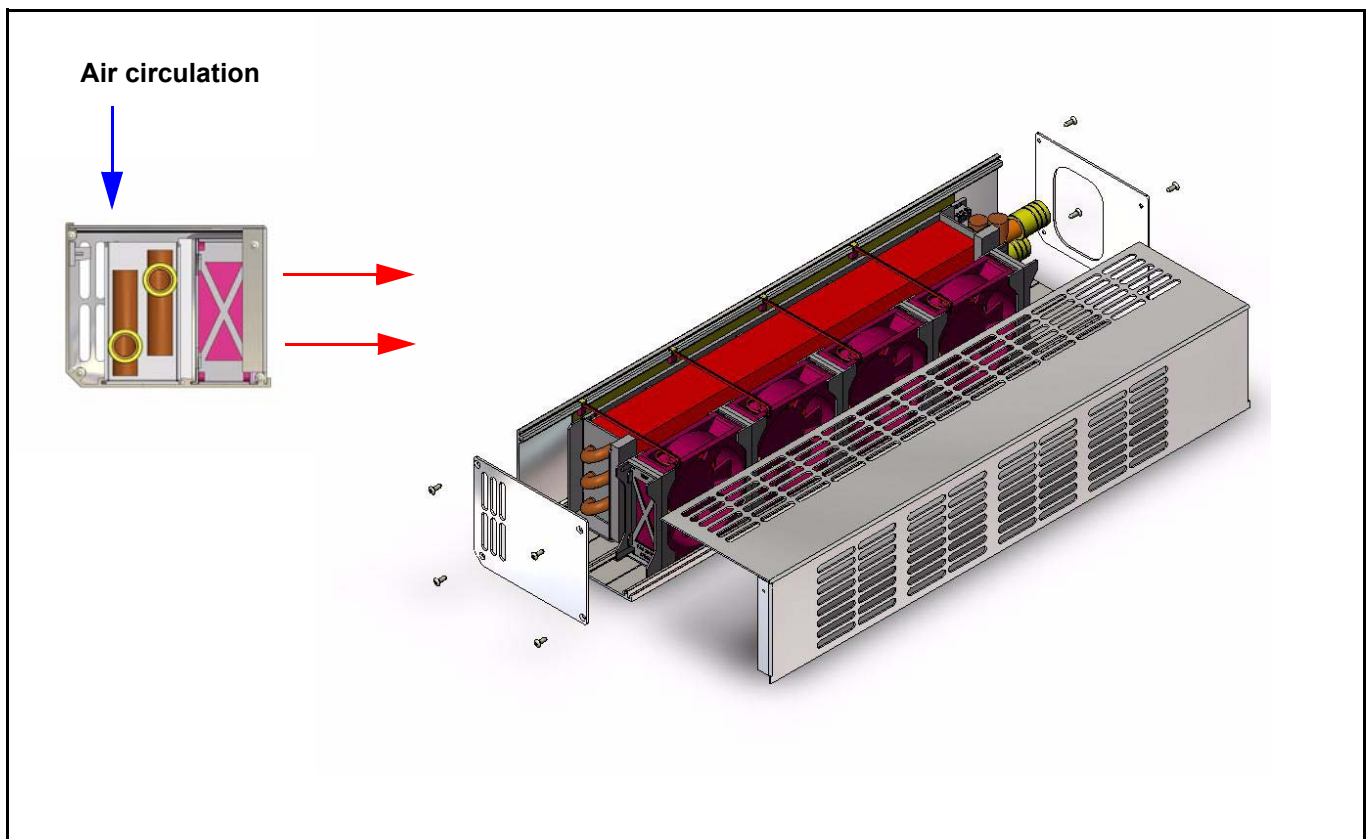


Picture: Whisper K200 Fan heating unit

Summary

High power, robust construction, and compact design make the K 200 a solid choice for your needs.

Picture: Whisper K200 Exploded view



Technical data

Part Number

Whisper K200 4/24V	17518-K004
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Electrical features

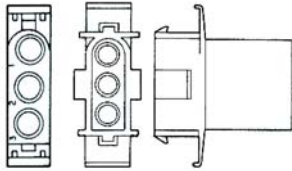
Unit voltage/Maximum voltage	24/28 VDC	
Start-up voltage/ Rated speed	7.0 VDC, Nominal	3800 RPM ± maximum
Rated current/ rated power	0.8 Amp.	19 Watts
Mechanical	Ball-bearing	

Mechanical features

Fan shaft bearing type	Ball-bearing
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Electrical connections

Standard connection	Circuit board connection	GND=black RED=high speed BLUE=low speed
Optional connection	Cabling with connection cap	AMP Cap Part No. 1-350347-0 AMP plug Part No. 1-350346-0



Water connections

Water connections to K200 are with 22mm hoses.

Noise

Measured noise from the wall mounted unit 1 m above floor level: Full speed 61dBA (four fans).

Life

Unit is designed to work for 20000 h (with outlet air temp of 60°C).

Lower internal air temperatures in the unit will increase lifetime.

Quality specifications

K 200 meets the requirements according to:

- Low Voltage Directive 73/23/EEC
- EMC Directive 89/336/EEC
- CE Marking Directive 93/68/EEC

Environment and limitations

K 200 is designed to work in the ambient climate inside a vehicle.

Output= 2.4 kW (Q60) 4.0kW (Q100)

Air Flow=175m³

Air temperature limitations

Max ambient temperature	+40°C to +80°C	<i>During summer with parked vehicle</i>
Min. air intake temperature	-30°C to -10°C	<i>Short time operation</i>
Working air intake temp continuously	-10°C to +40°C	

Water temperature limitations

Max water temperature	+120°C (short time)
High water temperature range	+95°C to +120°C (short time)
Operative water temperature	+40°C to +95°C (Continuous)
Min water temperature range	-30°C to +40°C (short time)
Min water temperature	-30°C

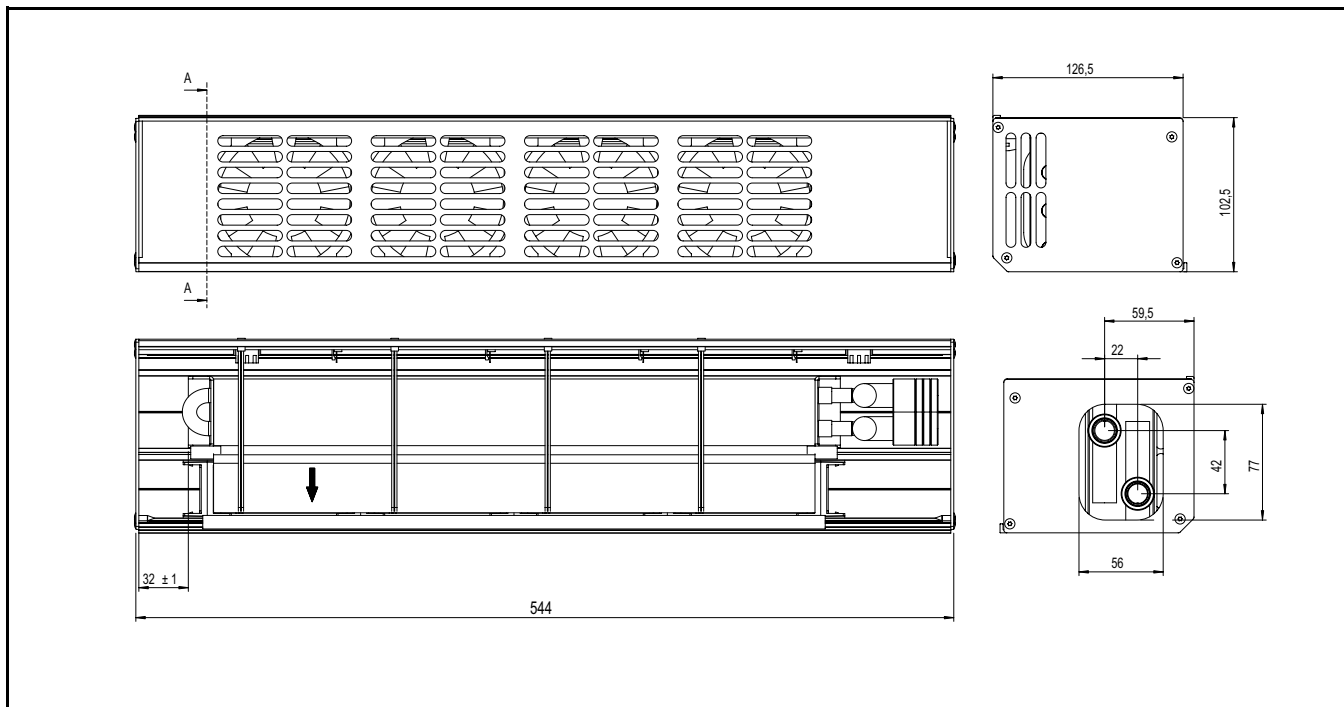
Storage

Unit can be stored in a dry place with a surrounding temperature of -40 - +65°C.

Maintenance and cleaning

Whisper K200 is equipped with wire filters, internally, to prevent larger particles from falling into the unit. These screens should be vacuum cleaned as required to ensure good air circulation. During cleaning of the vehicle floor, direct spray of water or soluble on the unit should be avoided. To handle occasional wet conditions the circuit board is protected with transparent insulation paint.

Dimensions of Whisper K200 Heating Fan (mm)



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