

## Webasto diesel air heater 12V/24V 5.5 kW

Reference: Air Top Evo 55 D



### Webasto Diesel Air Heater 12V/24V 5.5 kW

The Webasto air heater is a compact and efficient solution designed to ensure reliable thermal comfort even in the most extreme conditions.

This air heater with evaporator burner uses diesel fuels compliant with DIN EN 590, biodiesel DIN EN 14214, and HVO DIN EN 15940, ensuring maximum flexibility and compatibility with various fuel systems.

With a heat flow that can be modulated from 1.7 to 5.0 kW, with a boost function up to 5.5 kW, the Webasto air heater offers high performance with low consumption, ranging from 0.15 to 0.51 kg/h (0.56 kg/h in boost mode).

The low power consumption, from 15 to 95 W (130 W in boost), makes it ideal for installation in 12 V or 24 V vehicles, with a wide operating voltage range.

Designed to operate in extreme environments, the Webasto air heater operates reliably at temperatures from -40 °C to +40 °C, while it can be stored up to +85 °C.

It is also suitable for use at altitudes up to 2,200 meters, maintaining constant performance. The system allows temperature regulation from 5 °C to 35 °C, offering precise control of comfort.

From a construction point of view, the Webasto air heater has compact dimensions (423 x 162 x 148 mm) and a low weight of 5.9 kg, making it easy to install even in small spaces.

The IP5K4K protection rating guarantees resistance to dust and splashes of water, while the IPX6 / IPX7 / IP6K9K certified fuel pump ensures maximum reliability even in harsh conditions.

Approved according to E1 standards for heating and electromagnetic compatibility (EMC), the Webasto air heater is a professional choice for those seeking performance, safety, and durability in automotive, camper, commercial vehicle, and specialty applications.

#### Technical characteristics:

Type: air heater with evaporator burner.

Fuel: Diesel DIN EN 590, biodiesel DIN EN 14214, HVO DIN EN 15940.

Heat flow: 1.7 - 5.0 kW, boost 5.5 kW.

Fuel consumption: 0.15 - 0.51 kg/h, boost 0.56 kg/h.

Nominal voltage: 12 V / 24 V.

Operating voltage range: 10.5 - 16 V or 20.5 - 31 V.

Nominal power consumption: 15 - 95 W, boost 130 W.

Permissible ambient temperatures in operation: -40 °C to +40 °C.

Permissible ambient temperatures in storage: -40 °C to +85 °C.

Permissible combustion air intake temperature: -40 °C to +20 °C.

Maximum operating height permissible altitude: 2,200 m a.s.l.

Nominal temperature adjustment range: 5 °C to 35 °C.

Max. pressure loss: Permissible hot air system pressure: 3.0 hPa.

Dimensions: 423 x 162 x 148 mm.

Heater weight: 5.9 kg.

Heater IP protection rating: IP5K4K.

Fuel pump IP protection rating: IPX6 / IPX7 / IP6K9K.

Heating type approval: E1 00 0385 / E1 00 0386.  
EMC type approval: E1 05 5529.

If you are looking for a product with similar technical characteristics [CLICK HERE](#).

## Technical Sheet

|                          |                                   |
|--------------------------|-----------------------------------|
| Fuel                     | Diesel                            |
| Product dimensions (mm)  | 423 x 162 x 148                   |
| Product type             | Air heater with evaporator burner |
| Weight (Kg)              | 5,9                               |
| Consumo                  | 0,15 - 0,51 kg/h                  |
| Minimum temperature (°C) | - 40                              |
| Maximum temperature (°C) | + 85                              |
| Nominal Voltage          | 12 V / 24 V                       |
| Nominal Power (W)        | 15 - 95 W                         |
| Fuel consumption         | 1,7 - 5,0 kW                      |