

Useful Information Brochure

Recipients:

Workshops, manufacturers, bodybuilders

Applies to installation in:



Airtronic S2 and M2 Commercial/Airtronic M2 Recreational

Dear Sir/Madam,

The new-generation Eberspächer Airtronic heater will be available from August 2018. The latest enhancements mean that the heater now features a host of functional expansions along with modern control and a much longer service life. These second-generation Airtronic heaters are also fully compatible with the new-generation control units (EasyStart Pro and EasyStart Web 2018).



Airtronic S2



Airtronic M2



Sectional pic Airtronic S2/M2

Advantages, highlights and technical features

- Eberspächer **CAN bus** technology
- Operation via CAN-based control units **EasyStart Pro** and **EasyStart Web (2018)**
- **EasyScan** for convenient configuration and diagnostics
- **LIN interface (12 V)** => can also be operated with the previous generation of control units (EasyStart Remote+, EasyStart Select)
- **S+ interface (12 V + 24 V)** – e.g. for a mini-controller (setpoints and external temperature sensor cannot be combined)
- Dynamic, **stepless heating output control** => more agreeable operating sound
- ADR-capable (24-V version)
- Integrated altitude sensor for automatic **altitude adjustment function** up to 3,000 m => no additional altitude kit required
- Brushless motor for a longer **5,000 h service life** (all variants!)
- **Acoustically enhanced fuel metering pump** with mechanical damping ring and intelligent current control
- **Combination of more heaters and control elements possible** => possibility of complex applications. E.g. two air heaters controlled by EasyStart Web or EasyStart Pro (new control elements 2018)

| Designation | | Part number | Available from | Replaces predecessor product |
|--|---------|-----------------|----------------|---|
| Airtronic S2 Commercial | D2L 12V | 25.2721.05.0000 | 01.2019 | 25.2069.05.0000 Airtronic D2 12V |
| Airtronic S2 Commercial | D2L 24V | 25.2726.05.0000 | 01.2019 | 25.2070.05.0000 Airtronic D4 24V |
| Airtronic M2 Commercial | D4L 12V | 25.2720.05.0000 | 01.2019 | 25.2113.05.0000 Airtronic M D4 12V |
| Airtronic M2 Commercial | D4L 24V | 25.2729.05.0000 | 01.2019 | 25.2114.05.0000 Airtronic M D4 24V |
| Airtronic M2 Commercial | B4L 12V | 20.1987.05.0000 | 01.2019 | 20.1812.05.0000 Airtronic M B4 12V |
| Airtronic M2 Recreational* | D4R 12V | 25.2746.05.0000 | 01.2019 | 25.2484.05.0000 Airtronic M D4 Plus 12V |
| Universal installation kit Airtronic 2** | | 25.2720.80.0000 | 01.2019 | 25.2069.80.0000 (for Ø 60mm) |
| | | | | 25.2069.82.0000 (for Ø 75mm) |
| | | | | 25.2484.80.0000 (for Ø 75mm) |
| | | | | 25.2113.80.0000 (for Ø 90mm) |

* **Recreational** variant: for applications that require a higher air throughput, e.g. long, complex air ducting in campers/RVs, boats and ambulances

** The universal installation kit **does not include a hood and no air ducting hoses**. Please order the hood separately based on the required heating air hose diameter (see table below). Suitable air ducting hoses you will find in our accessories program.

Airtronic S2 (60mm) parts

| Designation | Part number |
|-----------------------|-----------------|
| Hood | 22.1000.01.0016 |
| Grill | 25.1688.80.0600 |
| Air hose | 10.2114.31.0000 |
| Clamp 50-70mm | 10.2067.05.0070 |
| Fitting flange | 22.1000.01.0035 |
| Air outlet raised 30° | 22.1000.01.0056 |

Airtronic S2 and M2 (75mm) parts

| Designation | Part number |
|---------------------|--|
| Hood | 22.1000.01.0017 (S2) 22.1000.01.0018 (M2) |
| Grill | 25.1552.05.0100 |
| Air hose | 10.2114.34.0000 |
| Clamp 70-90mm | 10.2067.07.0090 |
| Fitting flange | 22.1000.01.0036 |
| Air outlet flat 30° | 22.1000.01.0052 |

Circular

Airtronic M2 (90mm) parts

| Designation | Part number |
|---------------------|-----------------|
| Hood | 22.1000.01.0019 |
| Grill | 25.1729.80.0001 |
| Air hose | 10.2114.37.0000 |
| Clamp 70-90mm | 10.2067.07.0090 |
| Fitting flange | 22.1000.01.0037 |
| Air outlet flat 30° | 22.1000.01.0052 |

Product package

The following are included in the product package with all Airtronic 2 heaters (Commercial + Recreational):

- Heater
- Fuel metering pump
- Technical documentation



The following components are usually required for installation of an Airtronic 2 heating system:

- **Airtronic 2**
- **Universal installation kit**
- **Hood** with required diameter
- **Air ducting hoses** with required diameter
- Where applicable, **additional parts** from our accessories range (e.g. for the air ducting)

Technical data (excerpt)

| Designation | Part number | Fuel | Max. heating performance | Interface | Heating air hose Ø |
|-----------------------------------|-----------------|----------|--------------------------|----------------|--------------------|
| Airtronic S2 Commercial D2L 12V | 25.2721.05.0000 | Diesel | 2,2 kW | CAN / LIN / S+ | 60mm or 75mm |
| Airtronic S2 Commercial D2L 24V | 25.2726.05.0000 | Diesel | 2,2 kW | CAN / S+ | 60mm or 75mm |
| Airtronic M2 Commercial D4L 12V | 25.2720.05.0000 | Diesel | 4,0 kW | CAN / LIN / S+ | 75mm or 90mm |
| Airtronic M2 Commercial D4L 24V | 25.2729.05.0000 | Diesel | 4,0 kW | CAN / S+ | 75mm or 90mm |
| Airtronic M2 Commercial B4L 12V | 20.1987.05.0000 | Gasoline | 3,8 kW | CAN / LIN / S+ | 75mm or 90mm |
| Airtronic M2 Recreational D4R 12V | 25.2746.05.0000 | Diesel | 4,0 kW | CAN / LIN / S+ | 75mm or 90mm |

Compatible control units

Airtronic S2/M2 heaters are compatible with the following control units:

| | | | | |
|----------------------|-----------------|---|--|---|
| EasyStart Web (2018) | 22.1000.34.7800 |  | Fully compatible, available from November 2018 |  |
| EasyStart Pro | 22.1000.35.2200 |  | Fully compatible, available from August 2018 |  |
| EasyStart Remote+ | 22.1000.34.1700 |  | only 12V |  |
| EasyStart Select | 22.1000.34.1300 |  | only 12V |  |
| Mini controller | 22.1000.32.0700 |  | Setpoints and external temperature sensor cannot be combined |  |

Diagnostics

Error diagnostics can be run on the new CS variants using:

- **EasyScan** diagnostic and service tool
- **EasyStart Pro** – for workshops: error codes shown on display
- **EasyStart Web (2018 version)** – for workshops: error codes are shown in the EasyStart Web app (<https://myeberspaecher.com>)

Error class display in EasyStart Pro or EasyStart Web (2018 version) is a new feature. Error classes (see table below) are shown on the display (EasyStart Pro) or in the web app (EasyStart Web), alerting vehicle users to malfunctions so that they can visit a specialist workshop at the earliest opportunity.

Workshops are able to call up the respective and detailed error codes in the workshop menu of EasyScan as before.

Error classes (for vehicle users):

| | |
|---------|------------------------------|
| Error 1 | Service |
| Error 2 | Undervoltage |
| Error 3 | Overvoltage |
| Error 4 | Fuel supply/pump |
| Error 5 | Air ducting/outlet |
| Error 6 | Overheating, heater disabled |
| Error 7 | Emergency mode |