Eberspächer

CLIMATE CONTROL SYSTEMS / RECREATIONAL VEHICLES

UNLIMITED COMFORT FOR COMPLETE INDEPENDENCE

Auxiliary heaters and cooling systems

THE PERFECT TEMPERATURE, EVERY TIME

Being on the road in your motor home means enjoying nature and freedom: driving wherever you want, staying wherever you want, and hitting the road whenever you want. Be it summer or winter, no one wants the weather or the seasons dictating their itinerary.

With an Eberspaecher auxiliary heater or climate control device, you can satisfy your wanderlust all year round. You can rest assured that it runs efficiently and quietly, courtesy of our state-of-the-art technology. What's more, using a fuel operated heater helps to reduce your propane consumption – so there's nothing holding you back!

COMPLETE INDEPENDENCE SOLUTIONS FOR HEATING AND COOLING

Whether you're traveling to Alaska or the Rocky Mountains, Eberspaecher is your go-to partner for solutions to keep the temperature in your trusty motor home just right. Thanks to our extensive expertise in climate control systems, we can offer our customers tailored solutions for all their heating and cooling needs, alongside the perfect control units for easy and convenient operation. As a one-stop shop, we are proud to be provide our solutions from a single source.

Our products range from highly efficient air heaters for creating the perfect temperature in no time, water heaters for mist-free wrap-around windshields or for warm tap water when used with a boiler, to a broad selection of sophisticated accessories and cutting-edge control units for your new auxiliary heater. Our cooling system is also a real winner: it uses very little electricity and runs quietly. With climate control taken care of, you can sit back and enjoy your vacation.

SAVE PROPANE WHILE BOOSTING YOUR VACATION BLISS

The advantages of an Eberspaecher fuel operated heater compared with a propane heater really do speak for themselves. Propane heating uses about 80% of the propane reserves on winter camping trips, meaning you either have to transport a substantial supply of propane cylinders along with you or take on the hassle of constantly finding new cylinders and the right adapters – no mean feat when you are abroad. A diesel or gasoline operated heater gets rid of all that stress as it runs off the motor home's large fuel tank – and very efficiently at that. This means you will need propane only for cooking and to operate the refrigerator.

ADVANTAGES:

- Uses fuel from the motor home's large fuel tank
- Fuel is conveniently available at service stations around the world
- Time-consuming task of finding and changing propane cylinders reduced to a minimum
- Fewer propane cylinders frees up load capacity and storage space
- Does not eat into the propane supply for cooking and for the refrigerator

CONTROL UNIT

AIR OUTLETS

BREEZONIC COOLING SYSTEM

WATER HEATER

AIR HEATER

BLOWER HEATER

WATER HEATER

HIGH-VOLTAGE WATER HEATER*

FUEL OPERATED HEATERS

ELECTRICAL HEATERS

* Only available to manufacturers. Retrofitting not currently possible.

AIR CONDITIONERS

CONTROL UNITS AND ACCESSORIES

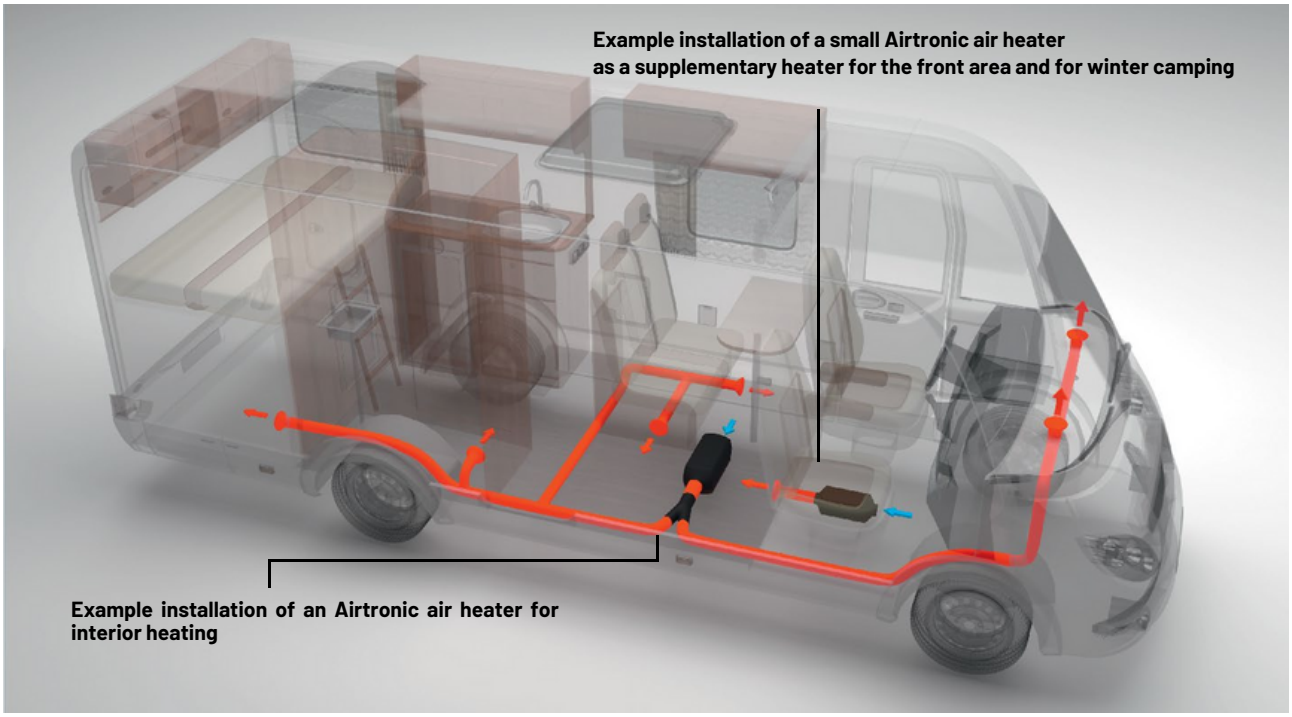
EBERSPAECHER AIRTRONIC AIR HEATERS

If you want a rapid, convenient solution to make the interior of your motor home toasty warm, then look no further than the Eberspaecher Airtronic air heater. The Airtronic can quickly heat up your interior to the exact temperature you desire because it works by heating only the air. And because it is extremely efficient and quiet, using it for long periods or at night is no problem.

AIR HEATER ADVANTAGES:

- Power setting for extremely fast interior heating
- Direct heat and efficient operation: unlike in a combination heater, the tap water is not heated along with the air, ensuring very high efficiency
- Extremely low fuel and electricity consumption
- Automatic interior temperature control with temperature pre-setting
- Prevents condensation from forming and clears icy or foggy windows
- Space-saving installation either underfloor, in a false floor, in a seat base or storage compartment
- Fuel is supplied from the vehicle's tank

AIRTRONIC HEATER INSTALLATION EXAMPLE



EBERSPAECHER AIRTRONIC

THE RIGHT AIR HEATER FOR EVERY NEED

AIRTRONIC HEATER

- Auxiliary heater with max. 2.2 kW heating performance
- Very small dimensions, ideal for tight installation spaces (will even fit under the seat structure)
- Also suitable as a supplementary heater for the front area

AIRTRONIC	S2 Commercial		M2 Commercial			M2 Recreational*
	Diesel				Diesel Gasoline	Diesel
Version	D2L		D4L	B4L		D4R
Voltage V	12	24	12	24	12	12
Heating performance control	Stepless					
Service life h	5,000					
Heating performance kW	0.9 to 2.2				0.9 to 4.0 1.3 to 3.8	0.9 to 4.0
Heating-air throughput kg/h	105 (Ø 75 mm)		185 (Ø 90 mm)			190 (Ø 90 mm)
Guide number**	Ø 60 mm: 6 Ø 75 mm: 12		Ø 75 mm: 3 Ø 90 mm: 10			Ø 75 mm: 8 Ø 90 mm: 15
Electrical power consumption W	34		40			55
Fuel consumption l/h	0.28		0.51	0.54		0.51
Heater operating temperature °C	-40 to +70				-40 to +70 -40 to +50	-40 to +70
Weight kg	2.7		4.5			
Main dimensions L x W x H mm	310 x 115 x 122		371 x 140 x 150			
Protection rating***	Heater: IP5K6K, IP5K9K					
Interfaces	CAN, LIN (only 12 V), S+					
Part number	25.2721.05.0000	25.2726.05.0000	25.2720.05.0000	25.2729.05.0000	20.1987.05.0000	25.2746.05.0000

* Use in campers/RVs, boats and ambulances, for example. For long, complex heating-air ducting, e.g. when many metes of heating-air hose must be laid.
** Each component of the heating-air ducting (air hose, curved sections, vents, etc.) has a line guide number. The sum of these line guide numbers must not be greater than the guide number for the heater.
The higher the guide number for the heater, the more heating-air ducting components may be connected.
*** The heater is protected against dust in harmful quantities, against powerful water jets under increased pressure and against water during high-pressure/steam jet cleaning (provided it is not in operation).

EBERSPAECHER HYDRONIC WATER HEATERS

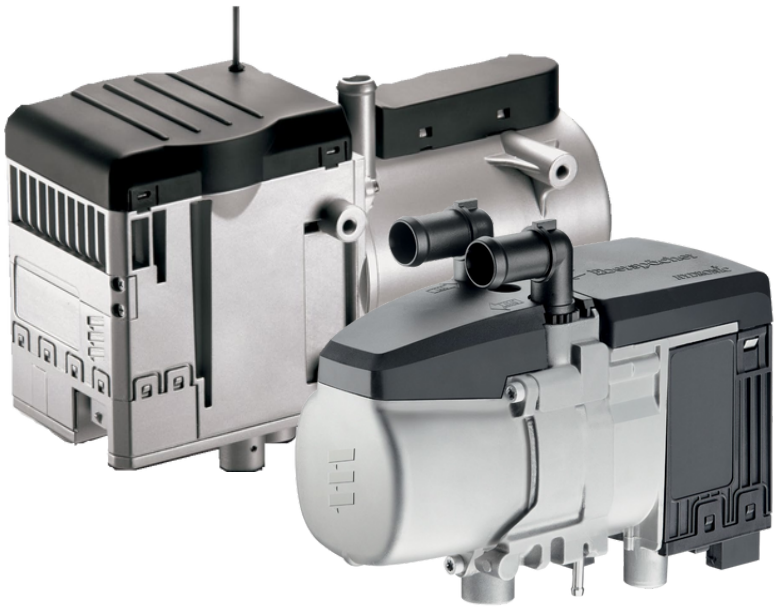
The Eberspaecher Hydronic water heater is a genuine all-rounder. It can be easily integrated into the engine's existing coolant circuit, takes up minimal space and can be used as a supplementary heater for the front area and for pre-heating the engine or as a stand-alone solution for heating the interior. When used in combination with a boiler, the Hydronic also lets you heat your tap water – whether for washing up in the kitchen or for a long, hot shower after a hike in the snow.

WATER HEATER ADVANTAGES:

- Extremely high heating performance up to 12 kW
- Two-fold benefit of heated interior plus pre-heated engine: starting is more gentle on the engine, uses less fuel, and is environmentally friendly
- Can be used to heat tap water in combination with a boiler
- Quickly clears icy windshield or steamed-up windows on the inside
- Runs quietly

ADDITIONAL FEATURES:

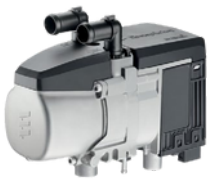
- Heat distribution via the vehicle's air ducts or convector
- Low fuel and electricity consumption
- Fuel is supplied from the vehicle's tank
- Reduces propane consumption
- Available as diesel or gasoline models
- Option for space-saving installation in the engine compartment
- Can be operated at high altitudes



EBERSPAECHER HYDRONIC

THE IDEAL CHOICE AS A FRONT OR MAIN HEATER

HYDRONIC S3 ECONOMY

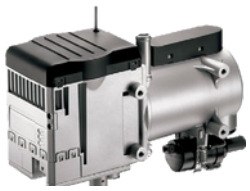


- State-of-the-art heater that simultaneously heats the engine and front area
- Manual high altitude operation over 1,500 m with the EasyStart Pro control unit
- Can be retrofitted as a supplementary heater for the front area and for pre-heating the engine

Version		Hydronic S3 Economy*	Hydronic S3 Economy*	Hydronic S3 Economy*	Hydronic S3 Economy*
Model (Fuel)		D4E (diesel)**	D5E (diesel)**	B4E (gasoline)	B5E (gasoline)
Voltage	**V**	12			
Heating performance	**kW**	1.3 to 4.3	1.3 to 5.0	1.8 to 4.3	1.8 to 5.0
Power consumption, heater	**W**	5 to 27	5 to 32	7 to 24	7 to 32
Power consumption, water pump	**W**	18			
Fuel Consumption	**l/h**	0.53	0.59	0.57	0.67
Dimensions L x W x H	**mm**	215 x 91 x 124			
Weight, empty	**kg**	2.0			

* For mains operation (230 V/50 Hz), e.g. in camping or parking areas, installation must be carried out with the special cable harness (item no.: 25 2652 82 11 00). The cable harness is included in the universal installation kit for recreational vehicles and boats (item no.: 25 2652 82 00 00).
** Also available as a Hydronic S3 Commercial 24 V diesel version. Please see our website for more details.

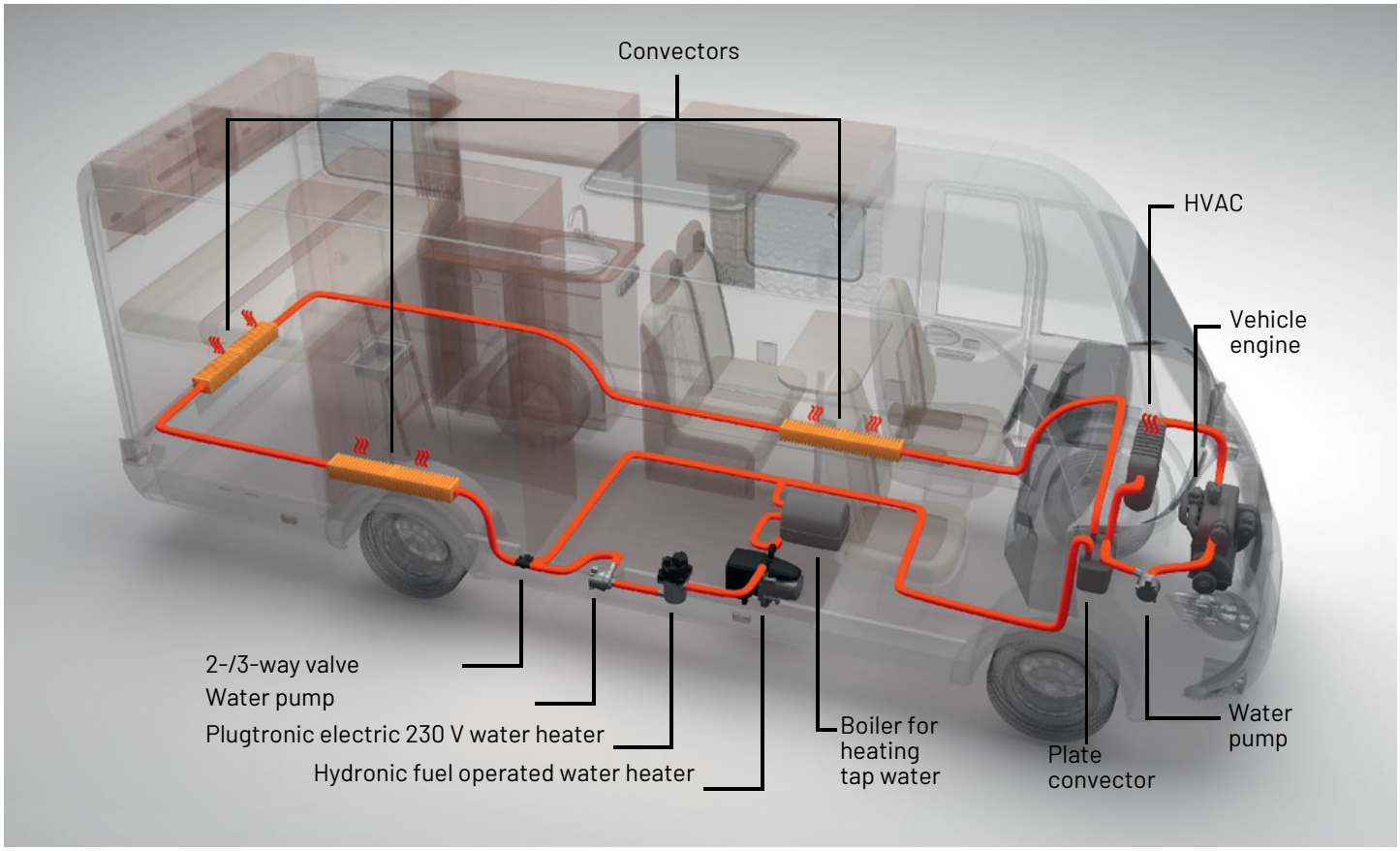
HYDRONIC M



- Available in three models between 8 and 12 kW heating performance (M8/M10/M12)
- Very long service life (6,000 h)
- Standard altitude capability up to 3,500 m (M10/M12)

Diesel version		Hydronic M8*	Hydronic M12	Hydronic M12
Voltage	**V**		12 / 24	
Heating performance	**kW**	1.5 / 3.5 / 5.0 / 8.0	1.5 / 3.5 / 8.0 / 9.5	1.2 / 1.5 / 3.5 / 5.0 / 9.5 / 12.0
Power consumption, heater	**W**	5 / 39 / 46 / 55	35 / 39 / 60 / 86	34 / 35 / 39 / 46 / 86 / 132
Power consumption, water pump	**W**		29	
Fuel consumption	**l/h**	0.18 / 0.40 / 0.65 / 0.90	0.18 / 0.40 / 0.90 / 1.20	0.15 / 0.18 / 0.40 / 0.65 / 1.20 / 1.50
Dimensions L x W x H	**mm**		331 x 138 x 221	
Weight	**kg**		6.2	

* 100% biodiesel-compatible in accordance with FAME DIN EN 14214



Example installation of a Hydronic water heater in combination with an electric heater

EBERSPAECHER HYDRONIC AQUASYSTEM

AIR AND WATER HEATING / HYDRONIC AQUASYSTEM NA

THE PERFECT CHOICE FOR MAXIMUM INDEPENDENCE AND ULTIMATE COMFORT

The Hydronic AquaSystem is capable of heating the interior air and the domestic water, achieved using the Hydronic S3 diesel or gasoline coolant heater. It was specially developed to meet the North American RV industry demands. Some of the features and benefits are an automatic altitude compensation adaptor, minimal & compact design and a tank-less water heater which provides hot water on demand. This means you never have to stop and can enjoy the benefits of true independence and comfort; year round.

ADVANTAGES:

-Liquid Fuel (gasoline/ diesel) and electric heating
-Air and water heating together
-Modular design adaptable to any vehicle layout
-Tank-less water heating
-User Interface: 4.3" touchscreen -Automatic/ Scheduled activation
-Heat Sources: Hydronic S3 coolant heater and electric heating element
-Engine pre-heating/ heat scavenging possibilities
-Settings retained after power loss thanks to on-board battery

SPECS:

-Fuel Source: Diesel or Gasoline
-System Voltage: 12V
-Electric Heating: 120V A/C
-Diagnostic display built in
-CAN based communication
-Automatic Altitude adjustment up to 3,000 m above sea level
-Configurable system layouts
-3 Speed or PWM interior fan control -Adjustable system hysteresis
-Fuel saving functionality
-Intuitive and customizable (for OEMs) user interfa ce
-flexible component installation locations -c0mpatible with large selection of air heating access6ries.

TECHNICAL CHARACTERISTICS

Version		Diesel	Gasoline
Fuel operated heating power	**kW**	1.3 to 5.0	1.8 to 5.0
Electrical heating power (A/C)	**kW**	1.5	
System voltage	**v**	12	
Fuel Consumption	**l/h**	0.59	0.67
Altitude compensation	**m**	3,000	

CONTROL UNITS FOR AIRTRONIC AND HYDRONIC

With our modern EasyStart control units, you can easily enjoy the comfort of your auxiliary heater in no time. They check all the right boxes for even the most discerning of motor home owners: they are intuitive to operate and boast an attractive design and high-quality workmanship. You can choose between a built-in control unit or a web-based remote control system that can be linked up to many of the devices currently available. The Eberspaecher EasyStart is the modern way to operate heaters.

EASYSTART PRO

The EasyStart Pro control unit sets the new benchmark for our line of control units. As well as a timer function that allows up to three programming locations to be set, the EasyStart Pro comes with numerous practical features:

- Built-in control unit with integrated temperature sensor
- Operation of up to two heaters separately or two identical heaters (Airtronic or Hydronic) in a group
- Simple plain text diagnostics for users
- Integrated residual heat function for Hydronic heaters: efficient heating using the engine's residual heat

FEEL FRESH EVEN IN SUMMER

Heating is not our only specialty. Here at Eberspaecher, we can also keep things cool: even in hot weather, our stationary cooling systems provide the ideal temperatures in your motor home interior.

Our climate control products are especially suited to the following requirements and applications:

- Customers looking for a retrofit cooling system that can be easily installed in an existing roof hatch
- Customers who are sensitive to cold drafts, and therefore haven't found a climate control solution for their living area yet
- Independent campers who don't want to rely on a fixed power connection

BREEZONIC AIR CONDITIONING SYSTEM

Eberspaecher is breathing new life into the Breezonic product family with new models for heating and cooling recreational vehicles. Initially, it includes two versions with heat pump in different performance classes for individual comfort requirements. User-friendly operating elements provide simple and flexible control.

Breezonic 2500/3500

The powerful Breezonic air-conditioning system ensures comfortable temperatures in recreational vehicles and camper vans at all times. It combines cooling and heating by means of a heat pump function with reversible circulation. Opting for the R32 refrigerant, it guarantees 68% lower global warming potential compared to R410A, enhancing its eco-friendliness. The speed-controlled compressor ensures quiet operation and low energy use, while the smooth start-up prevents power supply overloading. With digital interfaces like CI-Bus, RV-C, or BLE, it seamlessly integrates into onboard management systems. Look out for the product family from early 2024!

Two versions for individual requirements

Two models serve different comfort needs and live up to the familiar high standards of Eberspaecher. With 2.5 kW of cooling and 2.2 kW of heating output, the Breezonic 2500 is ideal for use in a Mediterranean climate and with medium-sized vehicles. For hot regions and large internal spaces, the Breezonic 3500 offers 3.5 kW of cooling and 3.2 kw of heat output. Both versions feature a flat, aerodynamic design with an installation height of 25 cm. Eberspaecher plans to extend the product family to include further models in the future.

User-friendly operating elements and functions

A series of options are designed to meet every user's needs. The touch panel integrated into the surface can be used for control on the unit itself. In addition, the Breezonic product family has an optional remote control and an associated Bluetooth app that allow control from virtually anywhere. Night mode ensures quiet operation for a peaceful night's sleep, while eco mode optimizes power consumption still further. The function for dehumidifying the internal space lowers the air humidity and thus ensures that the inside climate is comfortable. Various fan settings are used to adjust the speed of the fan to personal preferences.

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