

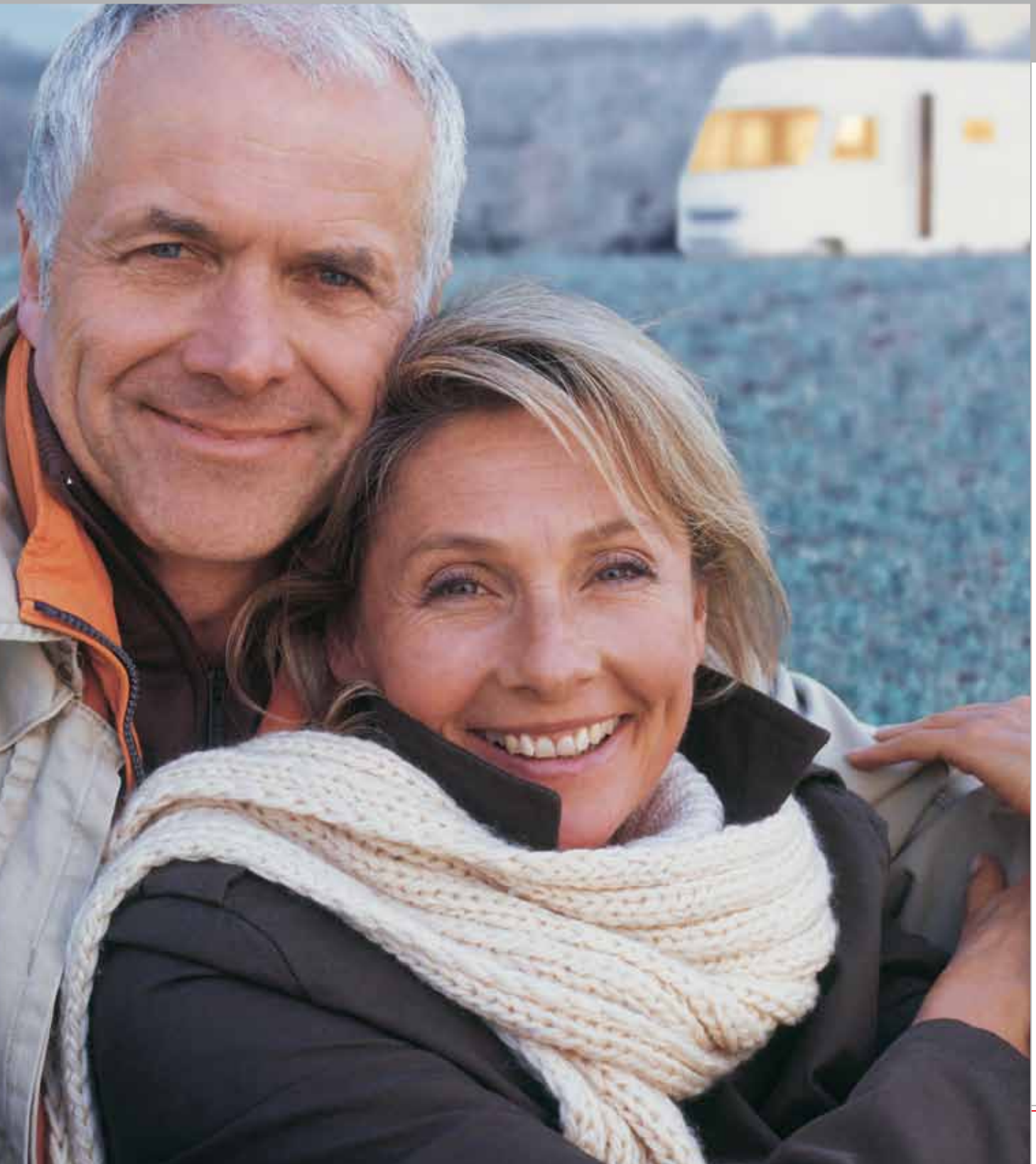
VEHICLE HEATERS | MOTORHOMES

ENJOY MOBILITY YEAR ROUND



A WORLD OF COMFORT


Eberspächer





HEAT IS FREEDOM – HEAT IS EBERSPÄCHER

On the road in a motorhome means enjoying freedom! Driving wherever you want. Staying where you want and leaving whenever you want. It's obvious that you don't like the weather and seasons "dictating" your itinerary. With an Eberspächer diesel fuelled heater, you can satisfy your wanderlust 12 months of the year. Finland at the end of October? No problem. The Alps during the pre-Christmas period? Why not!

An Eberspächer is guaranteed to keep your "four walls on wheels" at a comfortable temperature. After exciting excursions during the day, you'll experience absolute relaxation in the evening plus peaceful nights filled with warmth for the whole family. Go ahead and take this step toward total independence on the road: Eberspächer diesel fuelled heaters are available as complementary systems for your existing heating system and as powerful "stand-alone" solutions.

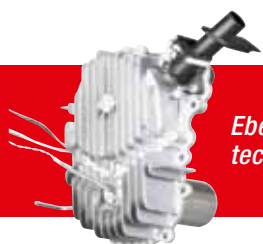
You generally have a choice between two different heating systems:

- Air heating – Eberspächer Airtronic
- Water heating – Eberspächer Hydronic

The Airtronic models quickly gives you a pleasantly warm vehicle interior, whilst the Hydronic not only heats the vehicle, it ensures your water in the kitchen or in the shower, is always at the correct temperature.

WORLD CLASS FOR WORLD EXPLORERS:

Rugged design, performance, proven technology: Eberspächer diesel fuelled heaters "made in Germany" have made a name for themselves around the world. To ensure that our solutions really match your requirements perfectly, we are working closely with numerous major vacation vehicle manufacturers in product development. The Truma Combi D motorhome heater came about as the result of a joint development project with the European comfort specialist Truma. This diesel-operated system, which was designed specifically for motorhomes, is exceptionally compact and provides space heating as well as water heating.



**Eberspächer burner
technology for Combi D**





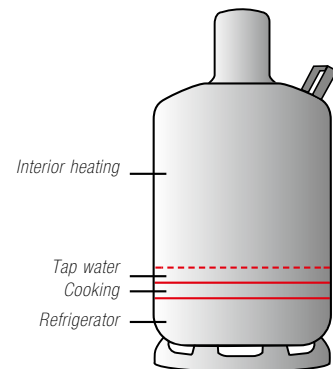
HEATING WITH DIESEL – GAS FOR THE STOVE AND REFRIGERATOR

Does this seem familiar? You heat with gas and your gas bottle is empty in a relatively short time. Eberspächer heating puts an end to this problem because it meets your energy requirements directly (and extraordinarily economically) from your vehicle's fuel tank, so you need gas only for cooking and to operate the refrigerator.



BENEFITS FOR YOU:

- Smaller gas bottles
- Fewer bottle changes
- Reduced weight
- More storage space



Example of gas consumption during winter camping:

BENEFITS THAT HELP YOU ON YOUR WAY:

- The heater is supplied with fuel from your vehicle's fuel tank – you don't have to worry about gas bottles and connections when travelling abroad.
- Eberspächer heaters are extremely fuel-efficient.
- Heating is easy to operate using pre-programming, remote control or the telephone.
- Eberspächer diesel fuelled heaters are now even quieter.
- The heater is installed in the motor home interior. Space-saving underfloor installation or in the engine compartment is also possible.
- Heating is permitted worldwide even while driving - without additional components.
- The heater's design is particularly easy to service and maintain.



EBERSPÄCHER – ALWAYS THE RIGHT ANSWER

This is where you can find the answers to a number of important questions on the topic of Eberspächer diesel fuelled heaters. Would you like more details? Simply consult one of our numerous dealers.

CAN I INSTALL THE EBERSPÄCHER DIESEL FUELLED HEATER MYSELF?

Your heating equipment can only be installed by an authorised Eberspächer dealer who complies with the applicable regulations. This forms the basis for any warranty and liability claims.

HOW MUCH SPACE DOES AN EBERSPÄCHER DIESEL FUELLED HEATER TAKE UP?

All Airtronic and Hydronic models are so compact that underfloor installation presents no problems – with a protective box as an option.

HOW MUCH FUEL DOES THE HEATER USE?

Depending on the heat setting, an Airtronic D4 uses between 0.11 and 0.51 litres of diesel fuel per hour, a Hydronic 5 between 0.27 and 0.62 litres. The smaller heaters have lower fuel consumption.

CAN I TRANSFER MY EBERSPÄCHER DIESEL FUELLED HEATER TO ANOTHER VEHICLE?

Yes – if the new vehicle uses the same type of fuel and if the voltage of the heater is the same voltage as the vehicle.

CAN I USE THE HEATER WHILE I AM DRIVING?

Yes – Eberspächer diesel fuelled heaters operate so safely that heating is permitted worldwide while driving. You do not need any additional components.

DOES AN EBERSPÄCHER DIESEL FUELLED HEATER REQUIRE SPECIAL SERVICE?

No – the equipment is maintenance-free after installation. However, it should be turned on briefly every month for about 10 minutes.

ARE THERE AFTERMARKET KITS TO INSTALL AIR AND WATER HEATERS?

Yes – Eberspächer offers aftermarket kits for Ducato, Sprinter, Master and Trafic – easy to install without taking up much space. These aftermarket solutions complement your existing heating system and provide fast heat for the front area or the interior.

CAN EBERSPÄCHER HEATERS BE OPERATED WITH BIODIESEL?

Eberspächer fuel heaters can be operated with the legally permissible biodiesel content in the fuel without difficulty; the Hydronic M8 can even be operated with 100% biodiesel.



AIRTRONIC

EBERSPÄCHER AIR HEATERS – INSTANT HEAT

You just want to heat the vehicle interior and it has to be fast? Then an Eberspächer Airtronic air heater is the perfect solution for you. Your motorhome will reach the desired temperature in the shortest possible time: interior air is drawn in, heated and then blown back into the interior. As the heating is exceptionally economical, long operating times are not a problem, and you can precisely control the temperature yourself: how warm it should be during the day and night.

You will find the right solution for a wide selection of vehicles in the Eberspächer product range (see Page 10). For a small van or a high-end luxury motorhome, an Eberspächer Airtronic is always the perfect fit. Every Airtronic is equipped with electronic speed control with "soft" adaptation, so it operates at low noise levels and saves energy. A microprocessor provides fully electronic system control. Heating functions are monitored continuously. A diagnostic system makes maintenance easy. Pick your favourite right away. Your dealer will be happy to give you an individual estimate for aftermarket installation or if you are planning to purchase a new vehicle, have your Eberspächer installed at the factory!

YOUR AIRTRONIC ADVANTAGES:

- Power setting for direct, fast heating of the interior air for especially short heating times.
- Automatic continuous interior temperature control with temperature pre-selection.
- Customised comfort from a broad control range and the lowest Low setting on the market.
- Quiet night operation.
- Low fuel and electricity consumption – ideal if you require long operating periods.
- Space-saving, easy-to-install compact equipment.
- Underfloor installation available upon request, including a protective box.
- Stops condensation from forming on the windscreen.





RETROFIT / UPGRADE:

Airtronic Air Heating provides quick heat, and due to its compact construction, is easy to retrofit while saving space, and it:

- Supplements your existing heating system.
- Balances the heat deficit in the front area.
- Provides frost-free windscreens.
- Is very economical – suitable for long operating times.



HYDRONIC

EBERSPÄCHER WATER HEATERS – THE RIGHT HEAT WHERE YOU WANT IT

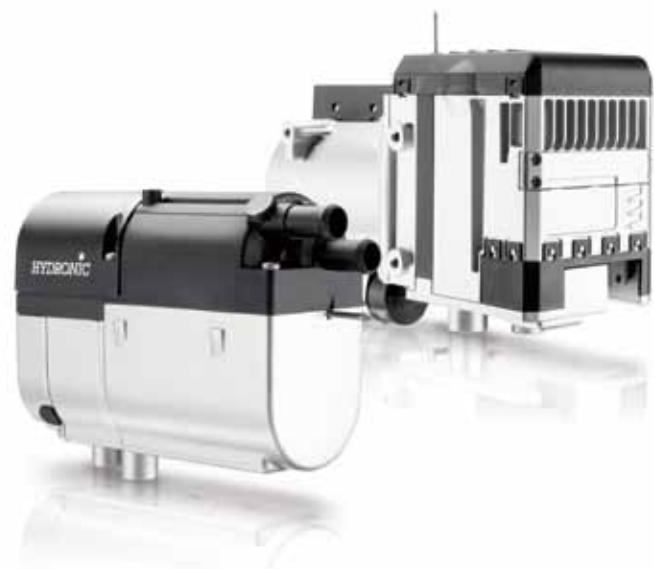
A warm living room, a warm driver's cab, a warm engine and ... hot water. Our multi-talented Eberspächer Hydronic heater gives you all this. You don't just enjoy the benefits of a perfectly heated vehicle; your water, in the kitchen or in the shower, is always at the temperature you want, thanks to an Eberspächer water heater. One more plus: No matter how frosty the nights are, no more early morning condensation on the windscreen. The engine can be pre-heated at the same time – eliminating the wear and tear of cold starts.

The Eberspächer Hydronic water heater is a genuine all-round talent. Of course, it provides comfortable interior temperatures quickly and easily but it can do much more than that: With an Eberspächer Hydronic, you are also heating your water – whether for washing up in the kitchen or for a long, hot shower following a hike in the snow. And if you want to "break camp" after a frosty night and continue your journey, Hydronic clears your window of ice and pre-heats the engine for a start that is economical and easy on the engine.

Look forward to increased comfort, greater safety and a boost in economy. With the Hydronic, you can select the optimal solution for your vehicle from a range of products matched to your requirements (see Page 11).

YOUR HYDRONIC ADVANTAGES:

- Pleasant, comfortable warm interior.
- Hot water available at all times.
- Prevents condensation from forming on the windscreen.
- No more struggling to clean the window by reaching across the instrument panel.
- Less engine wear and reduced fuel consumption by starting the engine warm.
- Space-saving underfloor installation – more storage space for other important things.
- Integrated into the vehicle's own cooling circuit.





RETROFIT / UPGRADE:

Easy aftermarket installation of the Hydronic water heater is possible in the engine compartment. The heat is evenly distributed through the vehicle's own air ducts, additional radiators or blowers.

- The Hydronic supplements your existing heating system.
- Warm front area plus warm engine.
- Drive off with clear windscreens.
- Economical technology, quiet operation.



TECHNICAL DATA

THE RIGHT HEATING FOR EVERY NEED



EBERSPÄCHER AIRTRONIC



Diesel Version		Airtronic D2				Airtronic D4				Airtronic D4 Plus			
Voltage	Volt	12 / 24				12 / 24				12 / 24			
Controls		Low	Medium	High	Power	Low	Medium	High	Power	Low	Medium	High	Power
Heat Output	Watt	850	1,200	1,800	2,200	900	2,000	3,000	4,000	900	2,000	3,000	4,000
Air Flow Volume	m ³ /h	40	60	90	105	60	110	150	185	55	100	140	175
Electrical Power Consumption	Watt	8	12	22	34	7	13	24	40	7	16	30	55
Fuel Consumption	l/h	0.10	0.15	0.23	0.28	0.11	0.25	0.38	0.51	0.11	0.25	0.38	0.51
Dimensions L x W x H	mm	310 x 115 x 122				371 x 140 x 150				371 x 140 x 150			
Weight	kg	2.7				4.5				4.5			

EBERSPÄCHER AIRTRONIC – SELECTION GUIDE

Vehicle Type	Camper Vans		Alcove / Cab-Over			Semi-Integrated / Coachbuilt			Integrated / A-Class			Luxury Vehicles > 7.5 t
Lengths	Compact	Large	6 m	7 m	8 m	6 m	7 m	8 m	6.5 m	7.5 m	8.5 m	> 8 m
Airtronic D2	■	■	■	■	■	■	■	■	■	■	■	■
Airtronic D4 / D4 Plus		■	■	■	■	■	■	■	■	■	■	■

- Can be used as primary heating unit.
- Can be used as supplementary heating with existing heating system.



EBERSPÄCHER HYDRONIC						
		Hydronic D4W SC	Hydronic D5W SC	Hydronic M8*	Hydronic M10	Hydronic M12
Diesel Version						
Voltage	Volt	12	12	12 / 24	12 / 24	12 / 24
Heat Output	Watt	2,400 / 4,300	2,400 / 5,000	1,500 / 3,500 / 5,000 / 8,000	1,500 / 3,500 / 8,000 / 9,500	1,200 / 1,500 / 3,500 / 5,000 / 9,500 / 12,000
Electrical Power Consumption	Watt	23 / 48	23 / 50	35 / 39 / 46 / 55	35 / 39 / 60 / 86	34 / 35 / 39 / 46 / 86 / 132
Fuel Consumption	l / h	0.27 / 0.53	0.27 / 0.62	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	220 x 86 x 160	220 x 86 x 160	331 x 138 x 174	331 x 138 x 174	331 x 138 x 174
Weight	kg	2.9	2.9	6.2	6.2	6.2

* 100% biodiesel compatible

EBERSPÄCHER HYDRONIC – SELECTION GUIDE

Vehicle Type	Camper Vans		Alcove / Cab-Over			Semi-Integrated / Coachbuilt			Integrated / A-Class			Luxury Vehicles > 7,5 t
	Compact	Large	6 m	7 m	8 m	6 m	7 m	8 m	6.5 m	7.5 m	8.5 m	
Hydronic 4	■	■	■	■		■	■		■	■		
Hydronic 5		■	■	■	■	■	■	■	■	■	■	■
Hydronic M							■	■	■	■	■	■

■ Can be used as primary heating unit with engine heating option.

■ Can be used as supplementary heating with existing heating system with engine heating option.

ACCESSORIES

CONTROL ELEMENTS

We offer a broad range of user-friendly operational controls to make it easy for you to enjoy the comfort of Eberspächer diesel fuelled heaters. The innovative EasyStart product line sets new standards in extra convenience and user friendliness – no matter whether you're in the market for a timer or a remote-controlled system. From a practical standpoint, you'll also find that our products are thoroughly convincing – with illuminated displays, intuitive user interface and large keypad buttons. Furthermore, you can also conveniently operate heating by mobile phone or land-line phone if it features tone dialling.





CONTROL ELEMENTS					
Model	Mini-Controller	701 Series Programmer	801 Series Modulator	Remote Control EasyStart R **	Calltronic Telephone Remote Control **
Heater Model	Airtronic	Airtronic / Hydronic	Airtronic	Airtronic / Hydronic	Airtronic / Hydronic
Description	Controls room temperature. With integrated heating / ventilation switch.	Controls room temperature. With integrated heating / ventilation option.	Controls room temperature. With integrated heating / ventilation option.	Base model, can be combined with EasyStart T.	GSM module with voice chip. Heating can be operated by mobile phone or land-line phone (tone dialling).
Pre-Selection	No	Yes	No	No	No
Automatic Calculation of Heating Time in Pre-Select Operation	No	No	No	No	No
Run Time Immediate Operation	No	Adjustable from 10 minutes to 8 hours	No	Adjustable for 20/30/40/60 minutes	Adjustable from 10 to 120 minutes
Stationary Ventilation	Yes	Yes	Yes	Optional *	Yes
Temperature Display	No	By lamp indicator	Yes	No	No
Feedback	No	No	No	Data transfer successful; heater status.	Input confirmation
Range	N/A	N/A	N/A	Up to 1,000 m under optimal conditions	Depends on network coverage
Diagnostic Readout	No	Yes	Yes	No	No
Display	Two colour LEDs	LCD screen	LCD screen Two colour LEDs	Two-coloured LED	No

* Heating/ventilation switcher required.

** A controller for temperature pre-selection is required for operation with air heaters (Airtronic Mini-Controller or EasyStart T).



ACCESSORIES

EBERSPÄCHER HEAT EXCHANGERS – CLASS UPGRADE FOR EXTRA HEAT

You are already enjoying the comfort of an Eberspächer Hydronic and want to distribute the warmth from the water heater more precisely throughout the vehicle? Then the Eberspächer water/air heat exchangers are an ideal supplement to the Eberspächer diesel fuelled heating system. With this solution, the heat reaches even the farthest corners of your vehicle in no time.

Give yourself this additional comfort. Your dealer will be happy to provide you with all the details and guarantees professional installation of Eberspächer heat exchangers.

BENEFIT FROM THE CLEAR ADVANTAGES OF FULLY-DEVELOPED EBERSPÄCHER TECHNOLOGY:

- Fast heat, where you want it, while you are driving.
- Eberspächer heat exchangers are extremely quiet in operation.
- Heat output from 2 to 10 kW.
- Power consumption is extraordinarily low.

EBERSPÄCHER HEAT EXCHANGERS										
Model		Hélios 2kW		Xeros 4200		Sydney 3.5kW		Arctic 10kW		
Voltage	Volt	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24
Regulating Levels		Low	High	Low	High	Low	High	Low	Medium	High
Heat Output	KiloWatt	1.5	2.0	3.0	4.2	0.9	3.5	5.0	7.0	10.0
Current Consumption	Amp	0.28/0.14	0.4/0.2	4/2	6/3	0.7/0.55	3.31/1.65	3.75/1.88	4.5/2.25	5.8/2.9
Dimensions LxWxH	mm	230 x 130 x 108		273 x 207 x 114		265 x 180 x 110		420 x 220 x 130		
Weight	kg	1.3		1.55		1.5		7.0		

In addition to these products, you can find plenty of other heat exchangers at Eberspächer – with different heat outputs and designs.

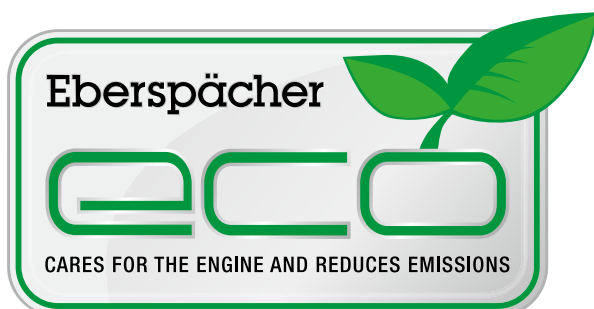


HEATING AND GOING EASY ON THE ENVIRONMENT? THE OXIDATION CATALYTIC CONVERTER FOR EBERSPÄCHER DIESEL HEATERS

Do you spend time outdoors? Then saving the environment is definitely an important consideration for you. For decades Eberspächer has been one of the leading specialists in reducing exhaust gases, and has recently developed a special oxidation catalytic converter for Eberspächer diesel heaters that is tailored to your needs.

THE BENEFITS SPEAK FOR THEMSELVES:

- The Eberspächer oxidation catalytic converter reduces the emission of the environmental pollutants carbon monoxide and hydrocarbons far below legal limits.
- Quick and easy installation into the exhaust system.
- Compact design.
- No maintenance.



THE COMPREHENSIVE EBERSPÄCHER PRODUCT RANGE ALSO INCLUDES HEATING, AIR CONDITIONING AND REFRIGERATION SYSTEMS FOR COMMERCIAL VEHICLES, CARS, BUSES, COACHES, MOTORHOMES, CARAVANS, MARINE, OFF-HIGHWAY AND MILITARY APPLICATIONS.

MORE INFORMATION IS AVAILABLE FROM ONE OF OUR 5,000 SERVICE PARTNERS WORLDWIDE.

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