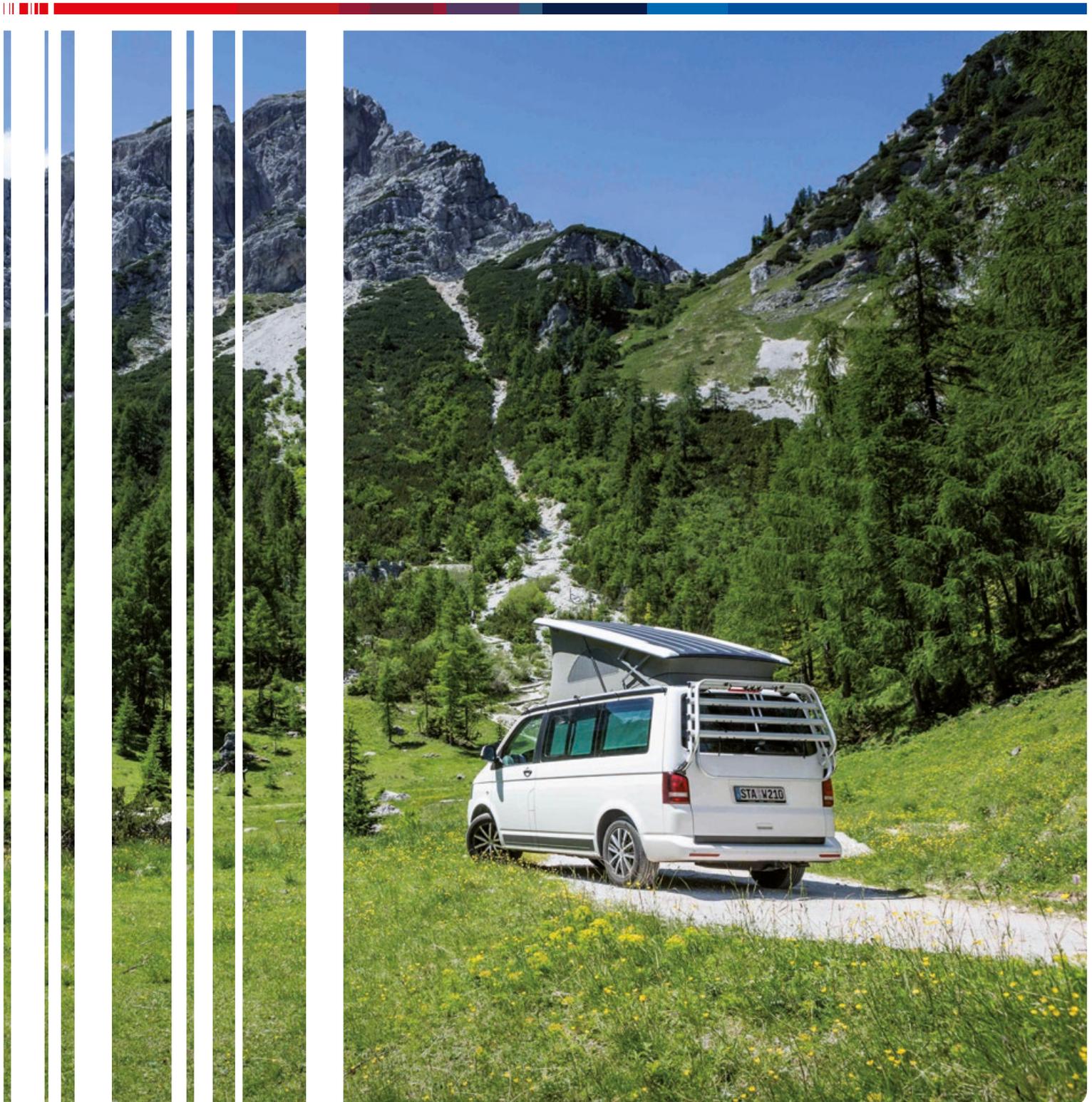


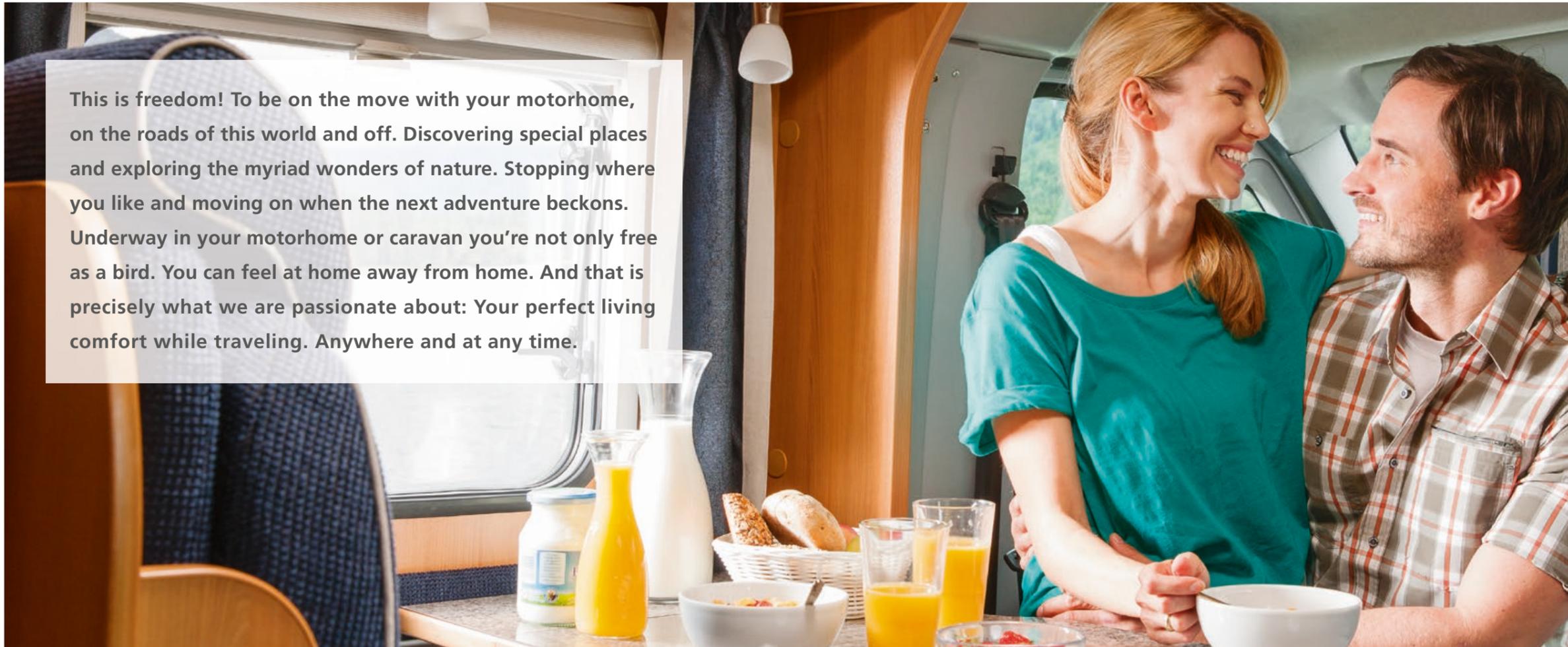
# Real Recreation Inside. Pure Nature Outside.

Comfort solutions for motorhomes and caravans.



**Freedom is a powerful sensation.  
Like the passion of being on the road.**

This is freedom! To be on the move with your motorhome, on the roads of this world and off. Discovering special places and exploring the myriad wonders of nature. Stopping where you like and moving on when the next adventure beckons. Underway in your motorhome or caravan you're not only free as a bird. You can feel at home away from home. And that is precisely what we are passionate about: Your perfect living comfort while traveling. Anywhere and at any time.



**1985**  
Webasto offers heaters from other markets on the RV market.



**2000**  
Webasto goes international in the camping market.

**2004**  
Webasto offers a diesel-fueled cooking solution only for RVs.



**2007**  
Webasto offers the first gas-free solution on the RV market.

**1990**  
Webasto offers RV dedicated applications on the RV market.

**2002**  
Webasto is the first to offer underfloor heating applications.

**2006**  
Webasto develops heaters especially for the RV market.



**2009**  
Automatic Altitude Adjustment.



**2010**  
Webasto offers Isotherm compressor fridges to the motorhome market.



**2014**  
Market launch of BlueCool Drive 40 climate kit. New generation of Air Top Evo 40/55.



**2016**  
Webasto introduces the Freeline 115 fridge, specially designed for use in RV vans. The Thermo Top Evo is launched in the RV market.

**2012**  
Webasto provides the complete one-stop-shop hybrid solution. Market launch of the Dual Top Evo. Webasto offers compressor refrigerators for the caravan market.

**2015**  
Webasto presents the 2<sup>nd</sup> generation Hybrid Solution. New digital control panels.



**2018**  
Market launch of first RV roof top AC unit Cool Top Trail.



**2018**  
Webasto presents first electrical Water heater eThermo Top Eco.



## Quality, Reliability, Innovation. Made by Webasto.

Webasto comfort is something you feel more than you see: The cozy warmth, the reliably hot shower, the perfectly cooled drink. Having Webasto on board means travel and living comfort without compromise – and intelligent solutions to maximize your independence.

### Quality and innovation

For over 75 years Webasto has been developing convertible and sunroofs for cars as well as climate systems for all types of vehicles. Our customers experience not only our high quality standards in the continuous development of our solutions but also in the innovation of new, high-performance technologies. We subject all products and systems to rigorous quality and security tests and consistently develop them to meet our customers' requirements.

### Tradition and development

Webasto stands for diesel-powered heating solutions in the motorhome sector as well as for the greatest possible individual travel comfort and convenience. To achieve this we cooperate with selected partners who set the same high quality and comfort standards for themselves and their products. That is why we now also offer hybrid systems for motorhomes and gas heaters for caravans as well as rooftop air conditioning systems.

## Our Service. As boundless as your freedom.

You'll always have a Webasto service partner of our worldwide partner network close by, no matter where you are on the road.

A brief glance at our website is all it takes to quickly find the advice, support and quality service that you need.

### Worldwide partner network: Warranty and services

- Worldwide network of trained installation partners
- Individual consulting by certified Webasto partners
- Worldwide warranty for all products
- Spare parts available on short notice

### Easy Webasto partner search: Online and mobile

- Find the nearest Webasto partner at [webasto-outdoors.com](http://webasto-outdoors.com)
- Competent and reliable service hotline
- Contact information and opening hours, contact persons, route navigation, etc. at a glance

### First hand information: Before and after product installation

- Product videos on all Webasto products: [webasto-outdoors.com](http://webasto-outdoors.com)
- Video tutorials with tips for managing our products

### Quality and innovation: Here's what you can expect from Webasto products

- Adherence to the high standards of the automotive industry
- Rugged products: Tested and checked under extreme conditions
- Consistent high quality thanks to professional quality management
- Substantial investments in research & development produce innovative solutions

### Fast information: The symbols for energy sources and energy efficiency



Diesel



Water



Gas



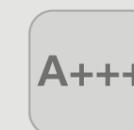
Air-conditioning



Battery



Power



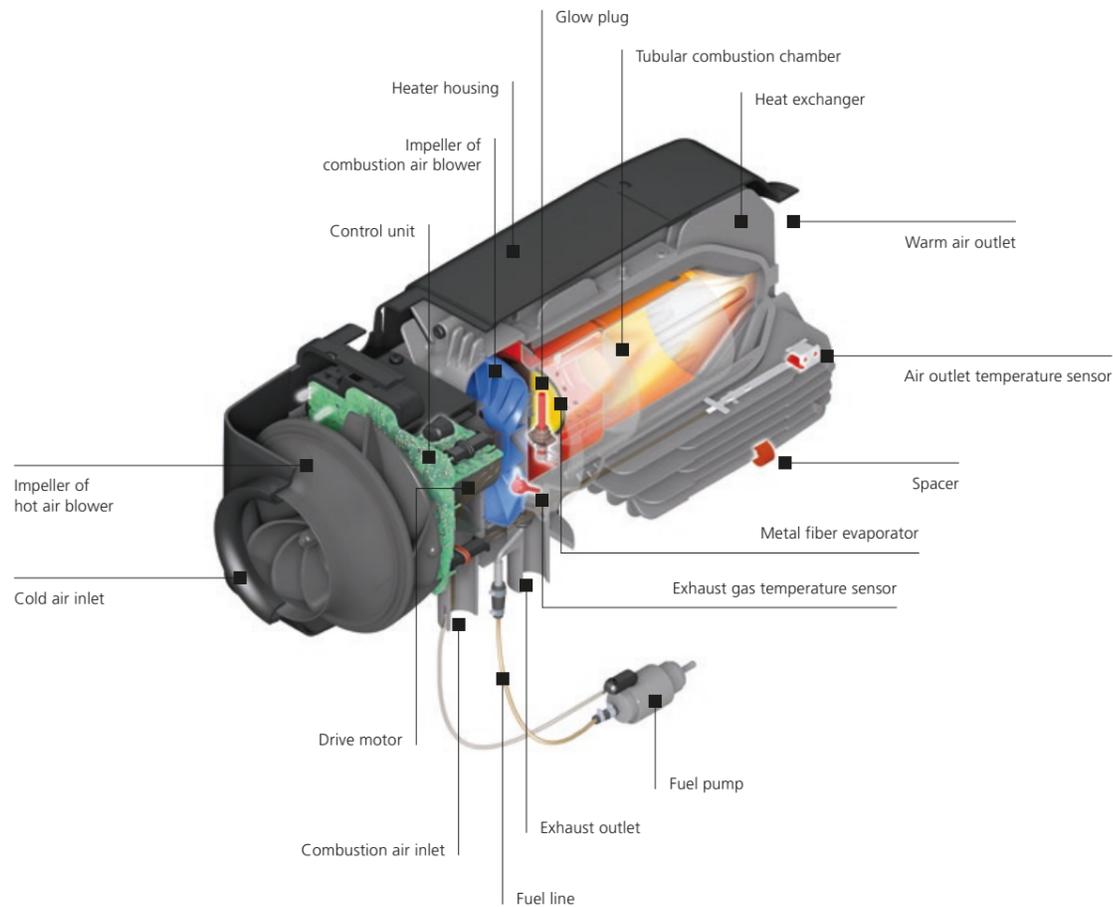
Energy efficiency

# This is how the diesel heater works.

Heating with diesel represents maximum independence. For the fuel comes directly from the vehicle's tank and thus does not have to be procured separately and is available everywhere. Nowadays, diesel heaters operate very quietly and absolutely odor-free, while being reliable and highly efficient.

Especially when camping in winter and abroad, the fuel-powered heater displays great advantages over a LPG gas heater. In winter a gas heater consumes over 80 percent of the gas supply. Accordingly, suitable gas bottles and adapters must be frequently procured, which is sometimes complicated and expensive when abroad. With a diesel heater, the gas supply lasts considerably longer. You heat while driving without additional investments and do not need an extra gas bottle to heat the motorhome. Furthermore, you gain storage space in the vehicle interior. These advantages are decisive for a growing number of owners to opt for the diesel heater.

## Cross-section air heating system:

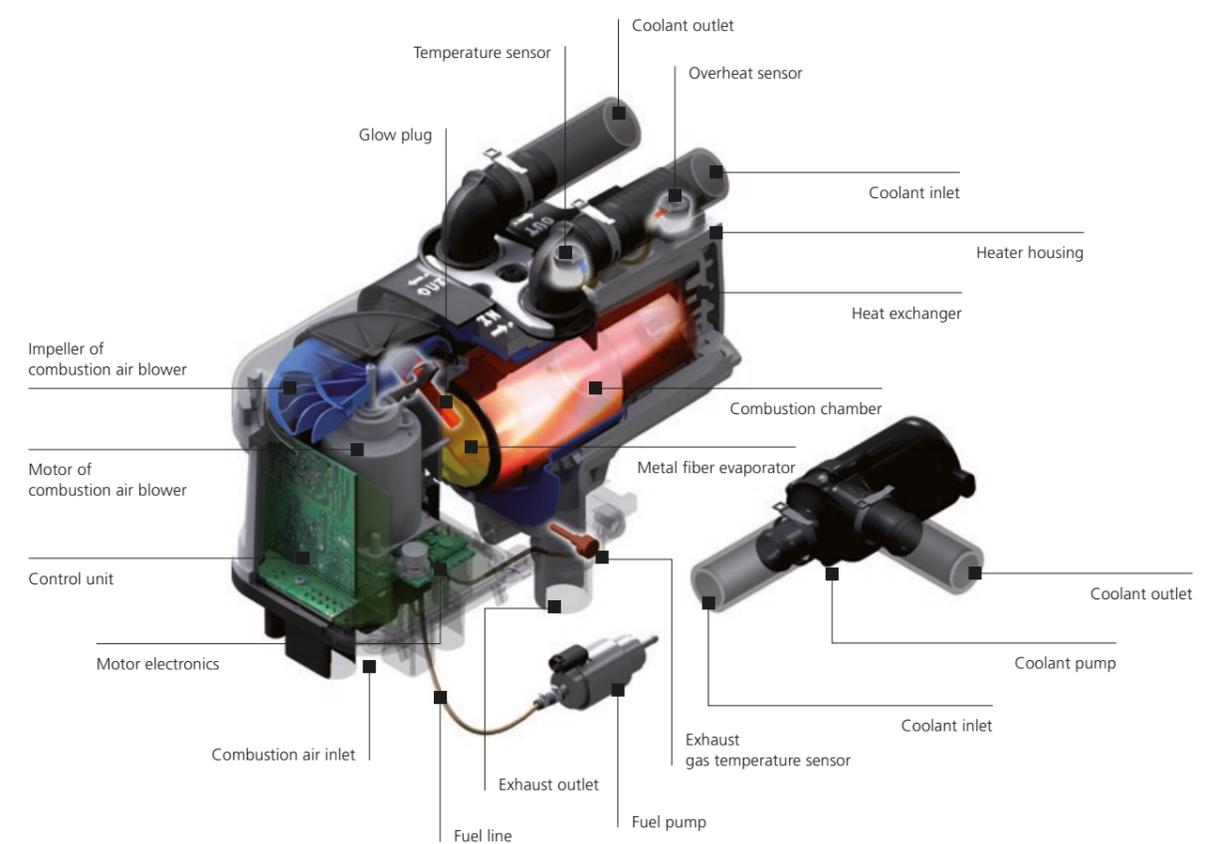


## Which heating product fits your needs?

Vehicle types	Camper		Semi-integrated		Top bank		Integrated		Over 7.5 t
	6.5 m	8 m	6.5 m	8 m	6.5 m	8 m	6.5 m	8 m	over 8 m
Dual Top Evo									
Air Top 2000 STC									
Air Top Evo 40									
Air Top Evo 55									
Thermo Top Evo									
Thermo Pro 90									

■ Use as main heater   
 ■ Use as additional heater alongside existing unit (e.g. LPG gas)   
 ■ Use as additional heater or water heater

## Cross-section water heating system:



## The benefits of a diesel heater at a glance:

- One type of fuel for heating and driving
- Fuel available 24/7 worldwide
- Eliminates frequent replacement of gas bottles
- Lower overall weight due to fewer gas bottles
- More storage space in the interior



### Product highlights

- Warm air (heat output up to 8 kW) and hot water (up to 70 °C)
- More interior space thanks to exterior installation
- Including anti-freeze mode, anti-freeze function and continuously adjustable temperature control
- Smooth blower and burner operation for low noise and fuel consumption
- Efficient performance at altitudes of up to 2,200 meters



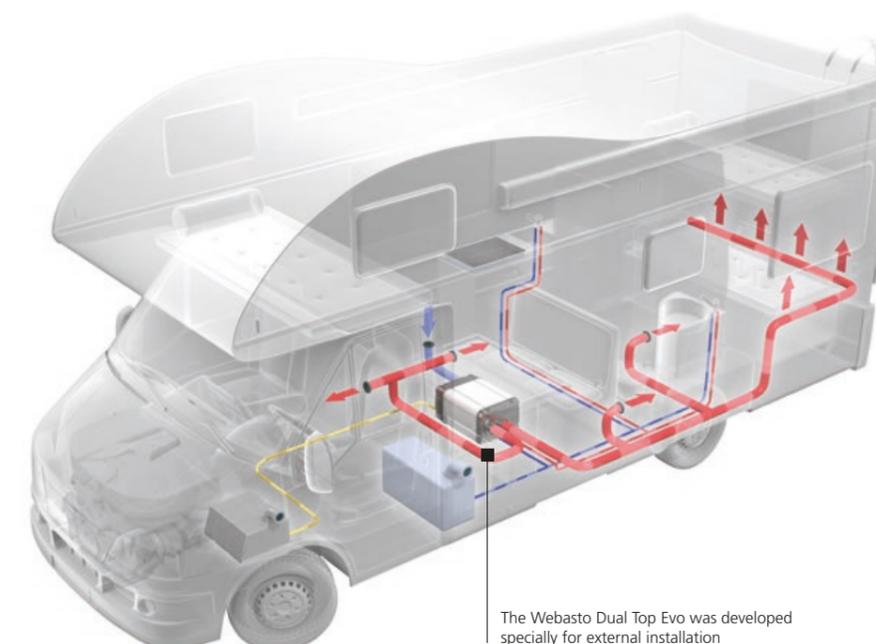
## Dual Top Evo. All-rounder for heating.



Get in, drive off and be free: Being on the road with your mobile home is not a matter of seasons or climate zones. When new destinations beckon in the harshness of winter and at high altitudes, your heating and domestic water solution has to work quickly and reliably. The integrated Dual Top Evo air/water heater is dependable in ensuring both.

### All around comfort without cutbacks

Pleasant warmth, taking long showers and always having hot domestic water, that's comfort à la Dual Top Evo. In addition the Dual Top Evo offers an intelligent technology with anti-freeze mode and continuously adjustable heat control – that comes standard in every delivery scope. Not to forget: Thanks to the exterior installation of the device, you won't be giving up all-important interior storage space.



The Webasto Dual Top Evo was developed specially for external installation

You can find the suitable control units on pages 22 and 23.



### Experts' tip

For even more heating power: The Dual Top Evo versions with 230 V electric heating coils produce even more heat output. The heater may also run on 230 V only, providing up to 2 kW of electrical heating power.

### Technical specifications:

	Dual Top Evo 6	Dual Top Evo 8
Heat output (kW)	1.5 – 6	1.5 – 6
Additional power with 230 V electrical coil (kW)		1 – 2
Fuel	Diesel	Diesel
Fuel consumption (l/h)	0.19 – 0.66	0.19 – 0.66
Rated voltage (V)	12	12
Operating voltage range (V)	9 – 15	9 – 15
Rated power consumption (W)	15 – 65	15 – 65
Boiler capacity (l)	11	11
Air flow max. (m³/h)	230	230
Dimensions L x W x H (mm)	530 x 352 x 256	530 x 352 x 256
Weight (kg)	20	21



### Product highlights

- Compact heaters with high efficiency
- Easy installation, underfloor or in the interior
- Constant interior temperature, continuous control
- Automatic altitude function up to 2,200 m for all Evo models
- Air Top Evo 40 heater is also available with automatic altitude function up to 5,500 m
- Manual altitude function possible for Air Top 2000 STC
- Low consumption, quiet operation
- Automatic heat output adjustment
- Complete installation kits for fast retrofitting



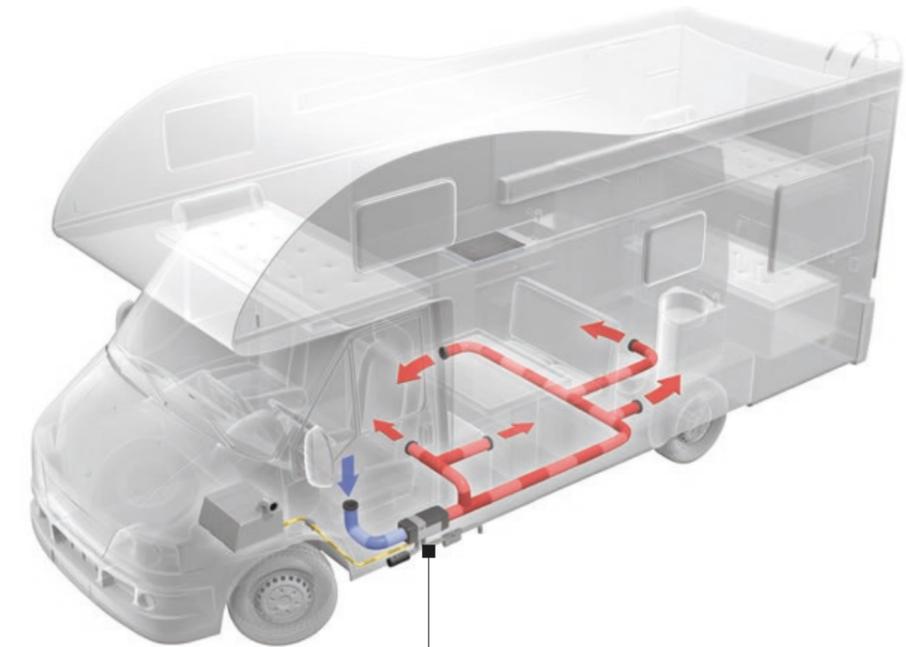
## Air Top air heaters. Strong performance, simply everywhere.



The brilliance of the stars is most beautiful high up in the mountains! And just when the nights up there are particularly cold, the Air Top proves to be a rugged and reliable companion. Thanks to an integrated altitude sensor, it automatically adjusts to low air pressure and quickly ensures cozy temperatures, consistently and economically. Good thing that everyone can enjoy this comfort. Because there's space in every vehicle for these compact heaters.

### Low consumption, flexible installation and operation

Air Top air heaters are extremely frugal and consume only very little diesel and power. Yet they run with very little noise and installation is proven to be extremely flexible and easy. They can be installed outside, in the intermediate floor, or in the vehicle itself, independently or as a complement to the existing heating system.



Air heaters can be installed inside or under the vehicle

You can find the suitable control units on pages 22 and 23.



### Experts' tip

Webasto offers special installation kits for motorhomes with additional parts for optimal low-noise operation. Your Webasto partner knows the best installation solution for your vehicle.

Now also available as petrol version.

Now also available with automatic altitude adjustment up to 5,500 m

### Technical specifications:

	Air Top 2000 STC		Air Top Evo 40	Air Top Evo 55
Heating power (kW)	0.9 – 2	1 – 2	1.5 – 3.5/4*	1.5 – 5/5.5*
Fuel	Diesel	Petrol	Diesel	Diesel
Fuel consumption (l/h)	0.12 – 0.24	0.14 – 0.27	0.18 – 0.43/0.49	0.18 – 0.61/0.67
Rated voltage (V)	12	12	12	12
Rated power consumption (W)	13 – 30	15 – 30	15 – 40/55	15 – 95/130
Air flow against 0.5 mbar (m³/h)	93	93	132/140	200/220
Dimensions L x W x H (mm)	310 x 120 x 118	310 x 120 x 118	423 x 148 x 162	423 x 148 x 162
Weight (kg)	2.6	2.6	5.9	5.9

\* Boost power level for a maximum duration of 6 hrs (Air Top Evo 40) or 30 min. (Air Top Evo 55).



### Product highlights

- Warm air via air outlets in the dashboard
- Rapid heating of the driver's cabin
- High heat output of 5 or 9.1kW for the fuel operated heaters
- Low fuel and energy consumption
- Environment friendly operation
- Thermo Top heaters may be used to heat up the driver's cabin or as a complementary heater to an existing water heating system



## Thermo Top water heaters. The perfect complementary heater



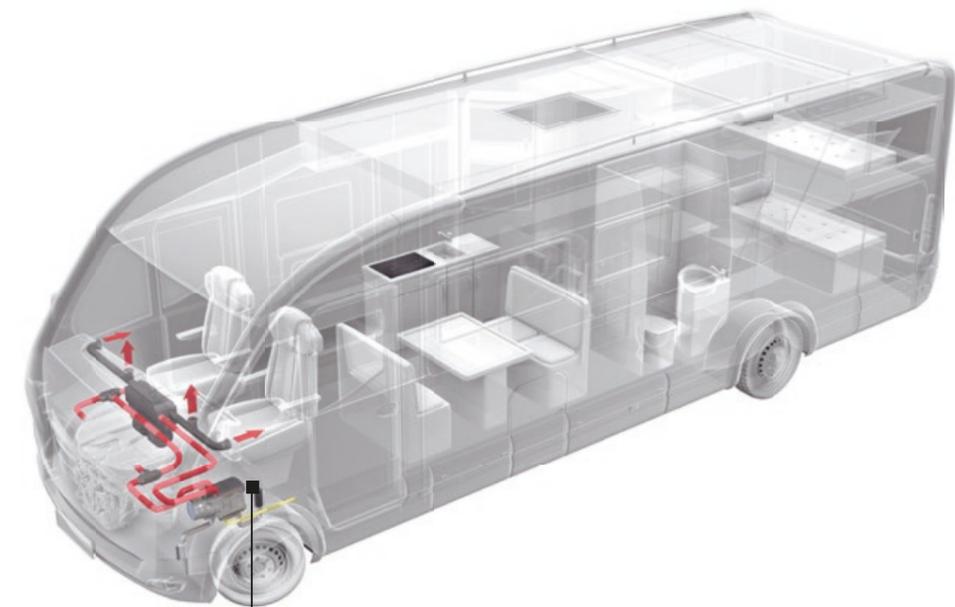
Finally, a pleasantly warm driver's cabin, even in winter! When it's increasingly cold and the motorhome heater doesn't generate sufficient heat output, the Thermo Top auxiliary heater goes into action. It ensures pleasant warmth on the front seats at the campground or while driving. And also iced or fogged-up windshields are a thing of the past.

### Small heater, great effect

These heaters are so compact, they can be well accommodated in the engine compartment. Being integrated into the coolant circuit of the vehicle, the heater heats up the engine as well as the vehicle's HVAC system. The air passing through this HVAC system will heat up and exit at the air outlets of the dashboard so that the entire drivers cabin is nicely warmed up. The heater automatically adjusts the heat output to the heat demand so that a cosy cabin temperature is kept. The auxiliary heaters are available in various performance categories as well as sizes and are economic in their consumption. Enthusiasts of fully integrated vehicles appreciate this auxiliary heater. If 230 V with 10 A or 16 A are available, the new Webasto eThermo Top is an excellent choice to be independent from gas or diesel as energy source.

### Less environmental impact

Moreover, as proven in the DEKRA test, a preheated engine has considerably lower environmental impact in terms of pollutants. Thereby, in line with Go Green Camping, you are making a valuable contribution to climate-friendly travel.



The water heater saves space by being installed in the engine compartment

You can find the suitable control units on pages 22 and 23.



### Experts' tip

Particularly in fully integrated vehicles the Thermo Top is a great heating extra. This heater puts an end to the cold drafts coming into the interior of the vehicle from the large windshield. Instead, cozy warmth spreads across the entire standing vehicle.

### Technical specifications:

	Thermo Top Evo	Thermo Pro 90	eThermo Top Eco <span style="color: red; font-weight: bold;">New</span>
Heating power (kW)	2.5 – 5.0	1.8 – 7.6/9.1	2.0/3.0
Fuel	Diesel	Diesel	230 V only
Fuel consumption (l/h)	0.31 – 0.62	0.15 – 0.9/1.1	–
Rated voltage (V)	12	12	12 – 14
Operating voltage range (V)	11 – 16.5	10.5 – 16	220 – 230 V~
Rated power consumption (W)	12 – 33	37 – 83/90	–
Dimensions L x W x H (mm)	218 x 91 x 147	355 x 131 x 232	181 x 91 x 133
Weight (kg)	2.1	4.9	1.2



## Hybrid heating solutions. The best of two worlds.



Double heating power ahead: When heating and showering have to function simultaneously and as quickly as possible. When you want to enjoy a long hot shower and an icy wind is blowing outside, that's when hybrid heating solutions by Webasto and Whale develop their full capacity – no mere gas combination heater can cut it.

### Results of the innovation partnership

The combination of a diesel-powered heater and a gas boiler system is the result of innovation and quality partnership of Webasto and Whale. The result: Minimal heat-up times, maximum performance, no compromise between a warm cabin or a hot shower. And the best: both systems can be mounted underfloor or inside the vehicle.

### Choose from two hybrid solutions

The hybrid solutions combine the benefits of a Webasto air heater Air Top Evo with the advantages of a Whale gas boiler. The two hybrid device versions provide unrivaled 5 kW or 7 kW output at any time.

### Total output:

- **Hybrid 5:** Webasto Air Top Evo 40 with 4 kW, Whale gas boiler with 1.35 kW
- **Hybrid 7:** Webasto Air Top Evo 55 with 5.5 kW, Whale gas boiler with 1.35 kW



### Experts' tip

Targeted heat for every heating function and uncompromising comfort without loss of energy: The powerful diesel heater ensures rapid warmth in the mobile home, while the high performance gas boiler heats up the domestic water.

### Product highlights

- Quick heat-up times thanks to the power-boost function
- High system heating power (5 or 7 kW)
- Heating power always 100% available for both functions: Cabin heating and hot water
- High hot water availability even in winter times
- Increase of payload (more than 20 kg)
- Gas bottles last much longer and have to be replaced less often



Air Top Evo 40

or



Air Top Evo 55

+

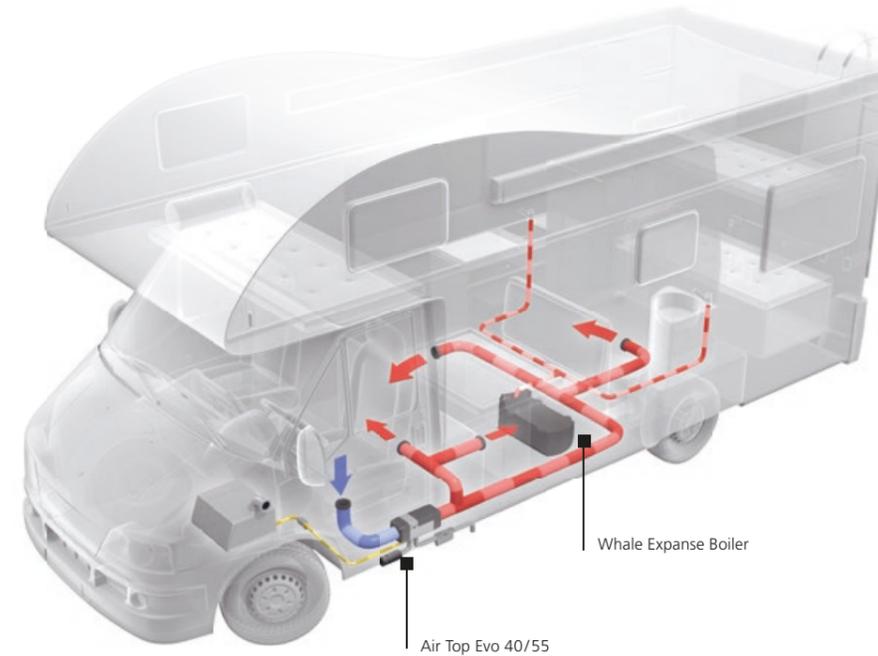


Rapid Heat boiler

or



Expanse boiler



You can find the suitable control units on pages 22 and 23.

### Technical specifications:

	Air Top + Whale Rapid Heat boiler		Air Top + Whale Expanse boiler	
	Hybrid 5	Hybrid 7	Hybrid 5	Hybrid 7
Heating power (kW)				
Space heater	1.5 – 4	1.5 – 5.5	1.5 – 4	1.5 – 5.5
Water heater (Boiler)	1.25	1.25	1.35	1.35
Diesel consumption (l/h)	0.18 – 0.49	0.18 – 0.67	0.18 – 0.49	0.18 – 0.67
Gas consumption (g/h)	93	93	98	98
Rated voltage (V)	12	12	12	12
Rated power consumption at 12 V				
Space heater (W)	15 – 55	15 – 130	15 – 55	15 – 130
Water heater (A)	max. 0.36	max. 0.36	max. 0.48	max. 0.48
Air flow (m³/h)	140	220	140	220
Water capacity (l)	8	8	8	8
Approximate water heat up times (15 to 70 °C) (min.)	33	33	26	26
Dimensions L x W x H (mm)				
Space heater	423 x 148 x 162	423 x 148 x 162	423 x 148 x 162	423 x 148 x 162
Water heater	391 x 412 x 267	391 x 412 x 267	522 x 262 x 229	522 x 262 x 229
Weight (kg)				
Space heater	5.9	5.9	5.9	5.9
Water heater	8	8	4.5	4.5



### Product highlights

- Robust, high-quality CERAN® cooktop
- Easy operation and cleaning
- Low power and fuel consumption
- Warning light for residual heat indicator
- Also suited to work at higher altitudes
- Option for gas-free mobile home



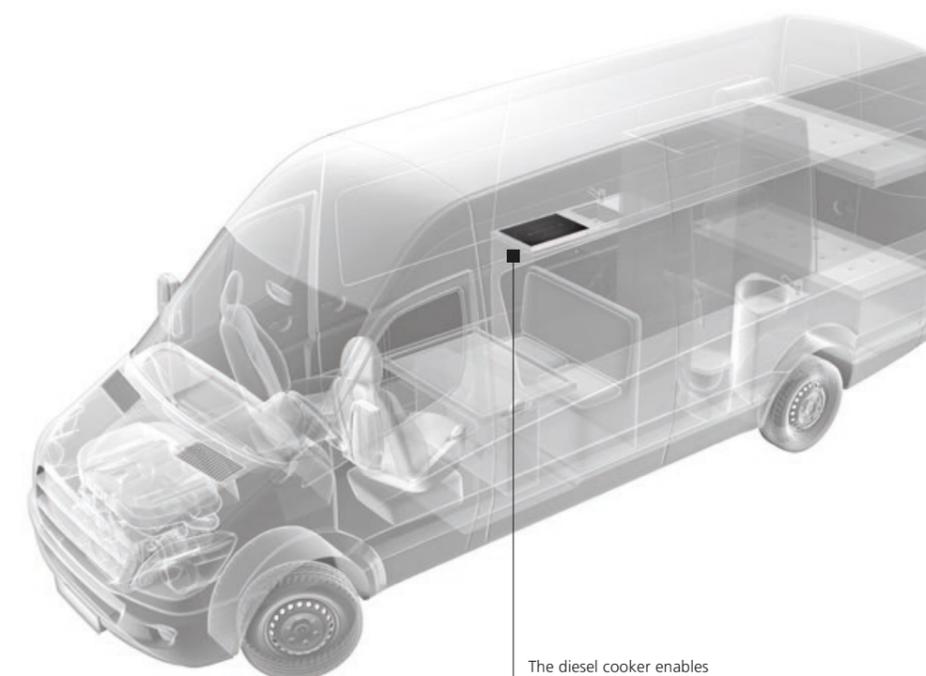
## Diesel Cookers. Convenience even when you're away from the campgrounds.



A mobile cooking experience, that's as relaxed and convenient as at home – the Webasto Diesel Cooker sees to that. Particularly travelers who love freedom and adventure and want to be on the road without gas appreciate this cooker.

### Everything for cooking enjoyment

Naturally, the Diesel Cooker is also impressive in terms of functionality and design. For it offers everything that the modern kitchen needs, including easy-care CERAN® cooktop and simple power control. The exhaust fumes are conducted directly outside and there is no open flame. So the only thing you smell is your delicious food.



The diesel cooker enables cooking without an open flame

You can find the suitable control units on pages 22 and 23.



### Experts' tip

By the way: Even professional chefs have cooked the most delicious recipes on it. For example, the renowned Australian chef Mark Holland. You can learn more about his experiences in the cooking video at [webasto-outdoors.com](http://webasto-outdoors.com).

### Technical specifications:

	Diesel Cooker X 100
Cooking capacity (kW)	0.9 – 1.9
Power consumption (A)	0.3 (max. at start-up approx. 8 A for 4 min.)
Fuel	Diesel
Fuel consumption (l/h)	0.09 – 0.18
Start-up time (min.)	~ 3
Rated voltage (V)	12
Dimension of CERAN® hot plate L x W x H (mm)	466 x 316 x 50
Dimension of protective casing L x W x H (mm)	565 x 366 x 172 (2 cm cooling air hose ring)
Weight (kg)	8 (hot plate) 1.5 (casing)



## Rooftop air-conditioning systems.



You found your perfect spot for the night or the next few days. Now it's time to relax. When it's really hot outside it's great to have that air-conditioned retreat where you can cool down. Good to know that your home on wheels always awaits you with the ideal comfort temperature!

### For an ideal climate in your RV.

The Cool Top Trail air conditioners are suitable for use in parked motorhomes and caravans of up to 10 m length. With their generously sized heat exchangers they have a high efficiency and high performance. Their reliability and high cooling capacity has already been proven in very hot Australian summers with up to 50°C outside temperatures. The units come with heat pump function as a standard which is also very powerful, working in cold outside temperatures of as low as -5°C.

### High performance at low noise

Very low noise levels allow you to rest and relax inside the vehicle and not disturb your neighbors in the RV campsite. The use of high-quality components ensures a long lifetime with a minimum expenditure on maintenance. Made from UV stabilized polypropylene, the housing of the units is robust but still lightweight. The units can be operated with an easy to handle remote control which allows the user to access all air conditioner functions from the comfort of the dining area, seat or bed. Besides cooling and heating the units include various extra features such as dehumidification, timer and sleep function.



### Experts' tip

Cool Top Trail air conditioners are delivered with a mounting frame for roof openings of 400 x 400 mm. For the use in smaller cut-outs of 360 x 360 mm an alternative adaptor frame is available as accessory.

### Product highlights

- Powerful units with high cooling and heating capacity
- Robust, lightweight and low noise
- Wide operating range from -5 to 50°C
- Low profile and compact design
- Easy installation



Cool Top Trail 20/24



Cool Top Trail 34



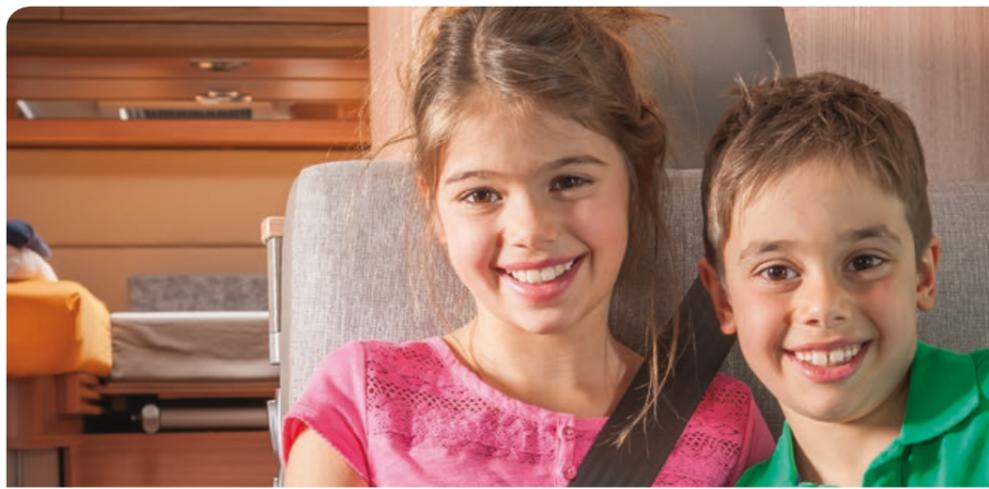
LED Display



Remote Control

### Technical specifications:

	Cool Top Trail 20	Cool Top Trail 24	Cool Top Trail 34
Cooling capacity (W)	2,000	2,400	3,400
Heating capacity (W)	2,000	2,400	3,000
Nominal voltage/frequency (V)/(Hz)	230~/50	230~/50	230~/50
Rated current (cooling mode)	3	4.2	5.8
Rated current (heating mode)	2.6	3.8	5.4
Operating temperature range (°C)	-5 to 50	-5 to 50	-5 to 50
Roof cut-out (mm)	400 x 400 (360 x 360 with optional adaptor frame)	400 x 400 (360 x 360 with optional adaptor frame)	400 x 400 (360 x 360 with optional adaptor frame)
Dimensions outdoor unit (mm)	1,002 x 566 x 215	1,002 x 566 x 215	1,122 x 850 x 223
Dimensions inner unit (mm)	557 x 536 x 43	557 x 536 x 43	575 x 515 x 49
Weight total (kg)	30.8	31.8	48



## BlueCool Drive 40. Cool for the whole family.

A/C

Drive off relaxed, arrive in a great mood. A motorhome that features all-round enjoyable temperatures guarantees a perfect start of the family vacation. The BlueCool Drive auxiliary air-conditioner ensures that the entire rear area of the vehicle is pleasantly cool while driving. With this, no one ever has to suffer from the heat in your mobile home: not the kids on the seats in the back – not even the dog. Now isn't that a great reason for a fantastic holiday mood?

### Easy integration into the existing climate system

The BlueCool Drive system enhances the existing air-conditioning system of the vehicle by expanding it. The installation kit is integrated into the refrigerant circuit of the vehicle. Thus, an extended and powerful air conditioning system cools the entire vehicle while driving.

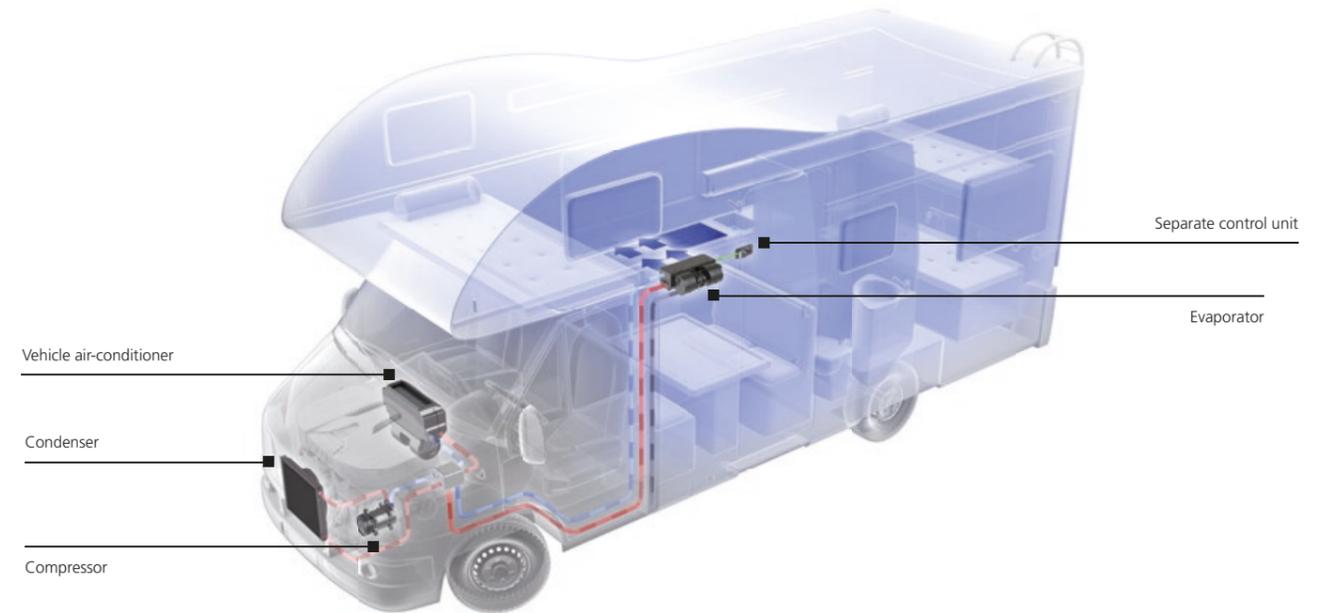


### Experts' tip

This is how to create a healthy and pleasant travel climate for all: Cool the interior down to a temperature with a maximum difference of 6 °C to the outside air and do not direct the air outlets towards unclothed body parts and faces.

### Product highlights

- Compact, high-performance evaporator, complementing the existing vehicle air conditioning system
- Cools the rear area of the vehicle while driving
- Easy cooling power regulation via a dedicated blower speed control
- Easy electrical integration into the 12 V on-board system
- Low weight (less than 7 kg)
- Delivered in a ready to install kit



You can find the suitable control units on pages 22 and 23.

### Technical specifications:

	BlueCool Drive 40
Max. cooling capacity (kW)	4.0
Rated voltage (V)	12
Current consumption at 12 V at blower levels 1/2/3 (A)	3.9/4.8/6.6
Electrical power consumption at 12 V at blower levels 1/2/3 (W)	46/57/79
Max. air flow volume (m³/h)	450
Dimensions evaporator (L x W x H) (mm)	390 x 235 x 125
Weight of kit (kg)	6.6
Refrigerant	R134a

### This is how the air-conditioner works

The BlueCool Drive system operates via the mobile home's running engine by using the vehicle's own compressor and condenser. The system generates cold air in the additionally installed evaporator, which cools the rear area of the vehicle.

# Individual control units. Individual comfort.

		Dual Top Evo	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo / Pro 90	Hybrid solutions	BlueCool Drive 40	Diesel Cooker
	<b>MultiControl</b> Modern and menu-driven user interface with immediate start button, 7-day timer and individual configuration possibilities.		■	■	■	■		
	<b>Air Top Standard Control</b> Temperature setting and failure display via blinking codes.		■	■		■		
	<b>Manual control panel Dual Top Evo</b> Choice of different heating modes for water, air, boiler drainage as well as anti-freeze function. The manual control panel is delivered with the Dual Top Evo 6.	■						
	<b>Digital control panel Dual Top Evo</b> Choice of different heating modes for water and air, boiler drainage as well as anti-freeze function and activation of electric heating. Includes programmable timer and the possibility to connect a remote control. The digital control panel is standard delivery with the Dual Top Evo 8.	■						
	<b>Control panel Rapid Heat</b> Easy to use control panel with 5 settings.					■		

		Dual Top Evo	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo / Pro 90	Hybrid solutions	BlueCool Drive 40	Diesel Cooker
	<b>ThermoCall TC4 incl. App</b> Range-independent convenient control of the heater with the new ThermoCall and the intuitive app for Apple and Android operating systems.		■	■	■			
	<b>Thermo Pro 90 operating switch</b> Easy on and off operation.				■			
	<b>Diesel Cooker X 100 control panel</b> Comfortable user interface for the diesel cooker incl. a hot plate indication light. Full functionality at high altitudes.							■
	<b>BlueCool Drive 40</b> Easy to operate blower switch with 3 blower positions for a mechanical control of fan speed.						■	
	<b>Hybrid Panel</b> Hybrid Panel for Hybrid Solutions (Air Top Evo 40/55 & Whale Expanse/Rapid Heat)					■		

## Compressor technology – smart cooling

Compressor cooling is power cooling. Its performance almost totally eclipses that of absorber cooling systems. In the household sector, where attention is focused on performance, energy efficiency and durability, the compressor technology has been the standard for decades.



Freeline 115

### Why compressor fridges for motorhomes and caravans?

Now, people want comfort like at home, to enjoy any type of food, cold drinks, ice cream... whatever the ambient temperature is. Only compressor technology can guarantee 100% fulfillment of these expectations, especially in summer (>32°C).

The technology of DC compressors has improved a lot in the past 10 years and offers now very silent, low-consumption, high-performance compressors for mobile applications.

Compressor refrigeration is far more energy efficient (>A+) than absorption fridges (most rated energy class F or worse).

With the convenient automatic AC/DC switching capability, you no longer have any inconveniences as compared to absorption fridges, which especially in caravans is a great advantage.

### The advantages of compressor cooling at a glance:

- Improved cooling performance even at high ambient temperatures
- Exceedingly rapid cool-down
- Very compact and quiet compressor
- Large refrigerator volume with the same dimensions
- DC and AC/DC mode
- High efficiency
- Low weight

## Cooling Technology

### Isotherm Intelligent Temperature Control



The ITC Digital Display clearly shows, controls and regulates temperature in a refrigerated compartment from the exterior of a fridge/freezer cabinet. It is dedicated to people who desire a nice-looking interface and a refined product interaction, as well as reduce on board power consumption. Thanks to the presence of an air sensor in the cabinet, the electronic control unit detects the actual air temperature and processes that in combination with the user selected settings, in order to define the compressor operation. Remote product interaction is extremely easy and accurate since data readings appear on the display, like temperature set or detected, selection of energy saving operations, compressor's operation mode settings, (ITC, Eco and Overcooling mode) and choice of 3 battery protection levels. Product integration is simple, allowing a recess flush installation and a wall mount.

With Isotherm Smart Energy Control, Webasto offers the very unique opportunity to dramatically reduce on board power consumption for refrigeration appliances. When the battery is charged by the alternator (vehicle motor) or by an external 230 V power supply the voltage rises. This generates an electric energy surplus which is used by the electronic board to make the compressor run at max RPM. As a result the temperature inside the refrigerator decreases, cooling down the food and drinks inside, and making them work as cold storage units. As the temperature decreases the compressor will gradually reduce the RPM. Once either the set temperature or the min. temperature (1 °C) is reached, the compressor will keep this temperature level by running at minimum speed with extremely low power consumption.

### Isotherm Smart Energy Control – easy to refit

The kit can be easily retrofitted to upgrade the energy saving capabilities of your existing Isotherm refrigeration product. The new Cruise Elegance line provides a preformed location in the cabinet for the temperature sensor.



Dedicated air sensor continuously measures the cabinet air temperature



Potentiometer activates the Isotherm Smart Energy Control mode



Processor-based module is connected to the Danfoss/Secop 12/24 V DC compressor

### Multiple Benefits at a glance:

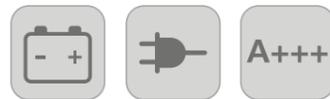
- Up to 35% energy savings due to a more efficient use of the compressor
- Up to 50% savings with combined effects of stored cooling energy in food and drinks
- No need for eutectic plates/special storage devices
- Available as retrofit kit or originally fitted on the fridge
- Quick cooling in boost mode



**Product highlights**

- Powerful refrigeration and freezing capacity even in great heat
- Very short cool-down, pre-freezing before the journey is no longer required
- Convincing energy efficiency: A+/A++
- More storage space with the same dimensions as absorber refrigerators
- Low weight
- Elegant design – versatile personalization capacity (door front, door handles, etc.)

**Compressor refrigerators.  
Power packs, thoroughly sophisticated.**



Finally a genuine refrigerator and freezer. One that is not affected by tropical temperatures. More performance, less weight, elegant design – these are the most important benefits of the Isotherm compressor refrigerators.

**Intelligent energy technology**

The two versions – the Cruise Elegance line with a freezer compartment and the drawer refrigerator cabinet – are renowned for their high performance and their elegant appearance. In addition, the drawer refrigerator allows for easy access and loading from above. Because the cold air remains in the drawer near the floor, the energy loss when opened is minimized.

The Cruise Elegance refrigerators can also be retrofitted with the Isotherm Smart Energy Control module (to find out more, see page 25). To make optimal use of space, some of the models also allow for separate installation of the compressor and refrigerator in different places.



Cruise Elegance 65



XL Freeze



Freeline 115



Drawer 55 Freezer Frost Free



**Experts' tip**

Gone are the days when food had to be deep frozen before a journey! Compressor refrigerators immediately provide 100% cooling capacity – and that in a top energy efficiency class.

**Technical specifications:**

Type	Volume (l)	Dimensions H x W x D (mm)	Weight (kg)	Power consumption* (Wh in 24 h)	Danfoss / Secop compressor type
Cruise Elegance 49	49	520 x 381 x 450	16	265	BD35F
Crusie Elegance 65	65	527 x 448 x 480	17	275	BD35F
Cruise Elegance 85	85	620 x 477 x 505	21	368	BD35F
Cruise Elegance 130	130	746 x 528 x 505	25	418	BD35F
Freeline 115 static	115	796 x 525 x 520	32	262	BD35F
Freeline 115 ventilated	115	796 x 525 x 495	32	367	BD35F
Drawer 30	30	240 x 440 x 700	28	273	BD35F
Drawer 49	49	520 x 400 x 510	24	400	BD35F
Drawer Freezer 55 FF	55	526 x 470 x 560	26	740	BD35F
Drawer 65	65	526 x 470 x 545	28	470	BD35F

\* Power consumption in operation in 12 V with +5°C in the refrigeration space, ambient temperature +25°C.



## Compressor travelboxes. Robust, compact and always with you.



Into the caravan, out under the front awning or down to the beach – the cool drink is always within reach. The rugged Isotherm compressor travelboxes go along everywhere – and don't give up even when it's very hot.

All models are impressive for their well thought out concept and many convenient extras. They are compact, of lightweight construction and easy to take with you. The extra thick insulation enhances their already outstanding cooling capacity.

Regardless whether they're between the driver and front passenger seat, in the area under the awning, portable or intended for permanent installation – due to the wide variety of different sizes, there's a travelbox that's right for every requirement.



### Lightweight, compact and portable travel companion: The models TB 13 and TB 18

- Energy-saving thanks to integrated control electronics
- Extremely powerful, yet compact and light
- DC12/24 V
- Very compact, lightweight and efficient compressor
- Secure and reliable closing
- Adjustable shoulder straps

### Robust, reliable and convenient: The models TB 31, TB 41 and TB 51

- Removable basket for easy access (TB 41 and TB 51)
- Strong soft-touch carrying handles
- Very light and compact size
- Interior illumination
- Electric thermostat control to save energy
- Robust injection molded cover with integrated closure
- Operated via DC 12/24 V or AC 230 V



### Experts' tip

Isotherm offers you a wide variety of different travelboxes. Especially practical: The compact, portable TB 18 even fits between the seats!

### Technical specifications:

Type	Volume (l)	Dimensions H x W x D (mm)	Weight (kg)	Energy efficiency class	Power consumption (Wh in 24 h)	Danfoss/Secop compressor type	Internal operation temperature (°C)
TB 13 DC	13	365 x 225 x 535	10.1	A+	150	BD Micro 1.4F	+5 to -18
TB 18 DC	18	405 x 235 x 565	8.6	A+++	150	BD Micro 1.4F	+10 to -18
TB 31 AC/DC	30	380 x 585 x 350	18	A+	220	BD35F	+5 to -18
TB 41 AC/DC	40	445 x 700 x 350	21	A+	225	BD35F	+5 to -18
TB 51 AC/DC	50	530 x 700 x 350	23	A+	230	BD35F	+5 to -18





Since its foundation in 1901 the Webasto group has continued to set new technological standards in the original equipment and aftermarket sector. Today, we are one of the 100 biggest suppliers in the automotive industry worldwide. We develop and produce roof, convertible as well as heating, cooling and ventilation systems. Our products help provide a better atmosphere on the road, more comfort and security, as well as increased efficiency for cars, commercial and special vehicles, motor homes and boats. An outstanding network of production facilities and dealers guarantees high-quality products, installation standards and services worldwide.