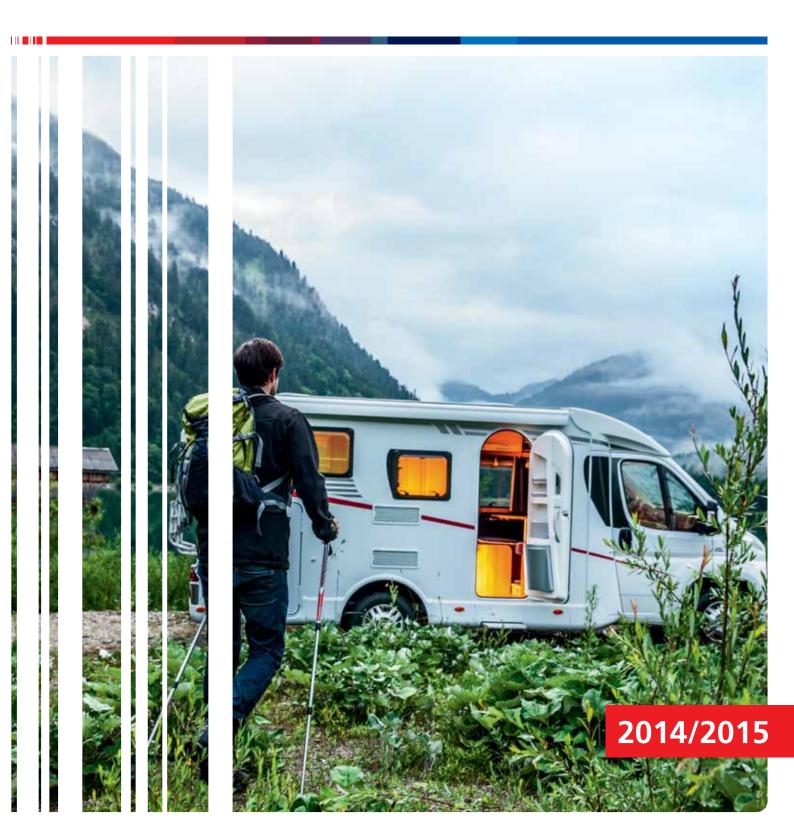


Recreational Vehicles Catalog



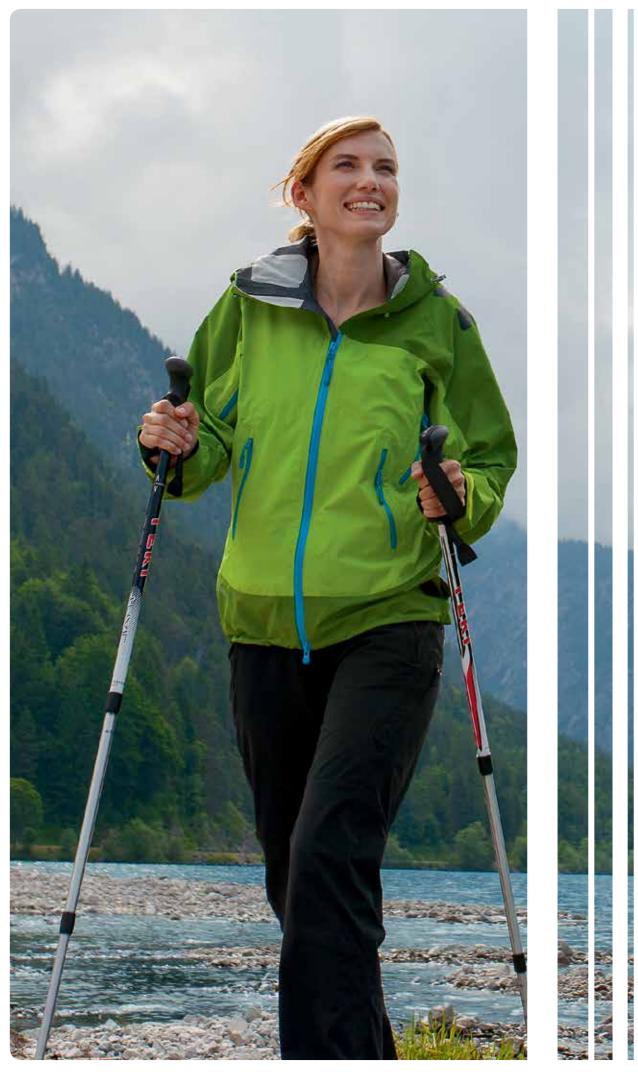


Table of contents

Welcome & News from Webasto We are here to develop your business A complete new set of catalogs to support yo Enjoy comfort, enjoy independence A logical vision

Heating products

Cooling products

Comfort products

in the second

	4
	6
our sales	7
	8
	9

Diesel heating solutions	10	Diesel Heating
Hybrid solutions	42	Hybrid Solutions
Main accessories for heating systems	48	ccessories

A/C systems	70	
Refrigeration	74	

Cooking solution





Welcome & News from Webasto



Dear customers and partners!

Another successful business year is about to come to an end. This has been one more year of strong investments and product innovations in the recreational vehicle industry with our stable vision: Develop intelligent products around the Webasto core advanced technologies and integrate them into complete, innovative comfort solutions for every recreational vehicle.

After several years and many new product introductions, it is always interesting to have a review at what our innovation strategy has brought to the industry and, of course, at what is coming for you during the 2014-2015 season.

Looking back, we are proud to have been the first supplier to introduce diesel technology into this industry more than 12 years ago, and to have provided OEMs with the opportunity to build totally gas free vehicles. Since then, we have continuously improved our products to increase the level of on-board comfort and autonomy. This year, with the introduction of a new generation of air heaters, Air Top Evo 40/55, we will offer more powerful, more silent and more energy saving heating products, possibly integrated into our hybrid solutions.

More recently, we highlighted the benefits of new, ultra silent and high performance refrigeration compressor technology for the industry. As a result, for example, some happy caravan owners already enjoy large innovative drawer fridges and the pleasure of having ice or cold drinks even in extremely hot climate conditions. This year, we are progressively expanding our standard RV compressor fridge range to extend the application opportunities and we will put more emphasis on the aftermarket potential of Isotherm Smart Energy Control, our award-winning energy saving device. Our range of travelboxes also gets a boost with the new 15 liter and 18 liter boxes, integrating for the first time micro-compressor technology in RV mobile refrigeration, thus enabling very compact dimensions and high performing units (fridge/freezer, A+++ efficiency class). Our high investments in R&D and the continuous development of new technologies drive us, bringing new ideas and keeping all of our customers satisfied. Air-conditioning was one of the core competences at Webasto which was not offered as an innovative product for the RV industry. With the BlueCool Drive 40, we have now introduced a powerful air-conditioning product which addresses a well-known end-user issue, not satisfactorily covered so far by existing products: cooling of the entire motorhome cabin whilst driving in hot temperatures.

Innovation should translate into beneficial features and great ease of use, not only of our products but also of all peripheral sales and application tools which make your life easier in installing and maintaining our products. Please register on our dealer portals and gain exclusive access to our extensive training programmes (online or on site) with the ultimate goal to be part of our network and to help you develop new sales potentials. RV is our passion. Just as it is yours. We hope that this catalogue assists you with your season and if you do have any suggestions or feedback, please do not hesitate to let us know. We look forward to enjoying a new motorhome and caravan season with you.

Enjoy more comfort. Enjoy more independence. Enjoy more Webasto.

Your Webasto RV Team

We are here to develop your business

A complete new set of catalogs to support your sales









Dealer portal:

http://dealers.webasto.com

- Easy access to complete Webasto documentation
- Powerful search and download tools
- Login-protected access to complete technical data and applications
- Periodical product information to keep you updated on evolving product developments

Website:

www.webasto-outdoors.com

- Quick and appealing product guide
- International dealer locator
- Multi-lingual access

RV training programs and technical guidelines

- Powerful product training, also web-based training
- Regular updates on new features
- Various modules adapted to audience
- Important guidelines for safe application engineering

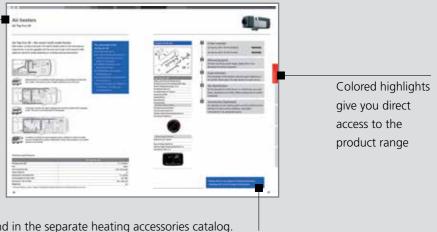
Marketing documentation and materials

- RV marketing materials: Product brochures, flyers, banners
- Product datasheets
- Dealer packages
- Point of Sale material



This catalog has been designed to help you in defining a complete solution for each motorhome and caravan.

Page header indicates which part and type of information you reached within each product section: Product overview, scopes of delivery, etc.



All accessories can be found in the separate heating accessories catalog.

RV product catalog

- Main products
- Scopes of delivery
- Application concepts
- Specific accessories

Webasto accessories catalog for heating solutions

For Cars, Trucks, Light-duty and Special Vehicles, Rail, Recreational Vehicles

Whale heating and water system products

- For motorhomes and caravans
- All products and accessories distributed by Webasto in Continental Europe

Enjoy comfort, enjoy independence in all seasons and under all weather conditions

Since the very start of our investments in the recreational vehicle industry, we have always focused on innovation as a main business development driver. Our vision is that we ensure greater comfort and freedom with our products for motorhomes and caravans.

For enjoying greater independence, all our heating systems are based on diesel. Diesel is available no matter where you go and is taken directly from the vehicles tank. This ensures unlimited freedom!

Our comfort solutions additionally enhance well-being atmosphere in your motorhome or caravan by providing cooled drinks or food from a fridge or travel box.

With Webasto you can enjoy unforgettable moments in your motorhome and caravan. That is what we mean by "Enjoy comfort, enjoy independence." That is Feel the Drive.



Long Tradition

Since its foundation Webasto has been a family-run company where highperforming quality products are our main purpose.



Innovative Technology

High investments in R&D and the continuous development of new technologies allow us to keep all our customers satisfied.

Reliable Products

We are very grateful for the confidence our customers place in our products by voting our heating solutions one of the best brands in the market.

A logical vision: Rely on the energy source you already have on board

Webasto has always prioritized the fuel of the vehicle as the most logical, readily available, main energy source. This strategy is complementary to LPG gas - it has been working properly for decades now. And it makes full sense, especially for big energy consuming functions like cabin heating.

More space inside

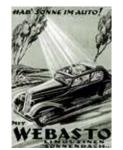
 All Webasto heaters can be mounted outside the vehicle. This significantly increases the total storage space inside the motorhome.

Less weight

■ In winter in average 88.33 % of the LPG gas carried with the RV is needed for heating. With Webasto products you can downsize your LPG stock to one single 5 kg bottle and gain up to 35 kg for additional load inside the vehicle.

Perfect climate on board

Thanks to the stepless power regulation in 1 W steps (unique feature on the market), Webasto heaters manage to maintain a stable cabin temperature with a hysteresis lower than 0.4 °C. This creates greater passenger comfort.



Automotive Quality from the start

Webasto stands for more than 110 years of experience and innovation in sunroofs, convertibles as well as heating, cooling and ventilation systems.



1985 Webasto offers heaters from other markets on the RV market		2000 Webasto goes international in the RV market	2002 Webasto is first in underfloor heating applications		2006 Webasto develops heaters especially for the RV market		2008 Webasto offers new heating solutions also with electrical coil
	1990 Webasto offers RV dedicated appliactions on the the RV market		• ©	2004 Webasto offers a diesel-fueled cooking solution only for RVs	•	2007 Webasto offers the first gas-free solution on the RV market	•

Increased fuel autonomy

- Diesel fuel is uniform worldwide and available 24/7 all year long with precise monitoring of fuel supplies via fuel-gauge.
- No extensive procurement of LPG gas bottles in foreign countries necessary.
- No adapter for foreign LPG gas bottle connectors necessary.
- Heating whilst driving in any country without the need of purchasing additional security valves. Thus, enjoying a warm cabin from the very first minute on.

2010 Webasto offers Isotherm compressor fridges on the RV

market

2014

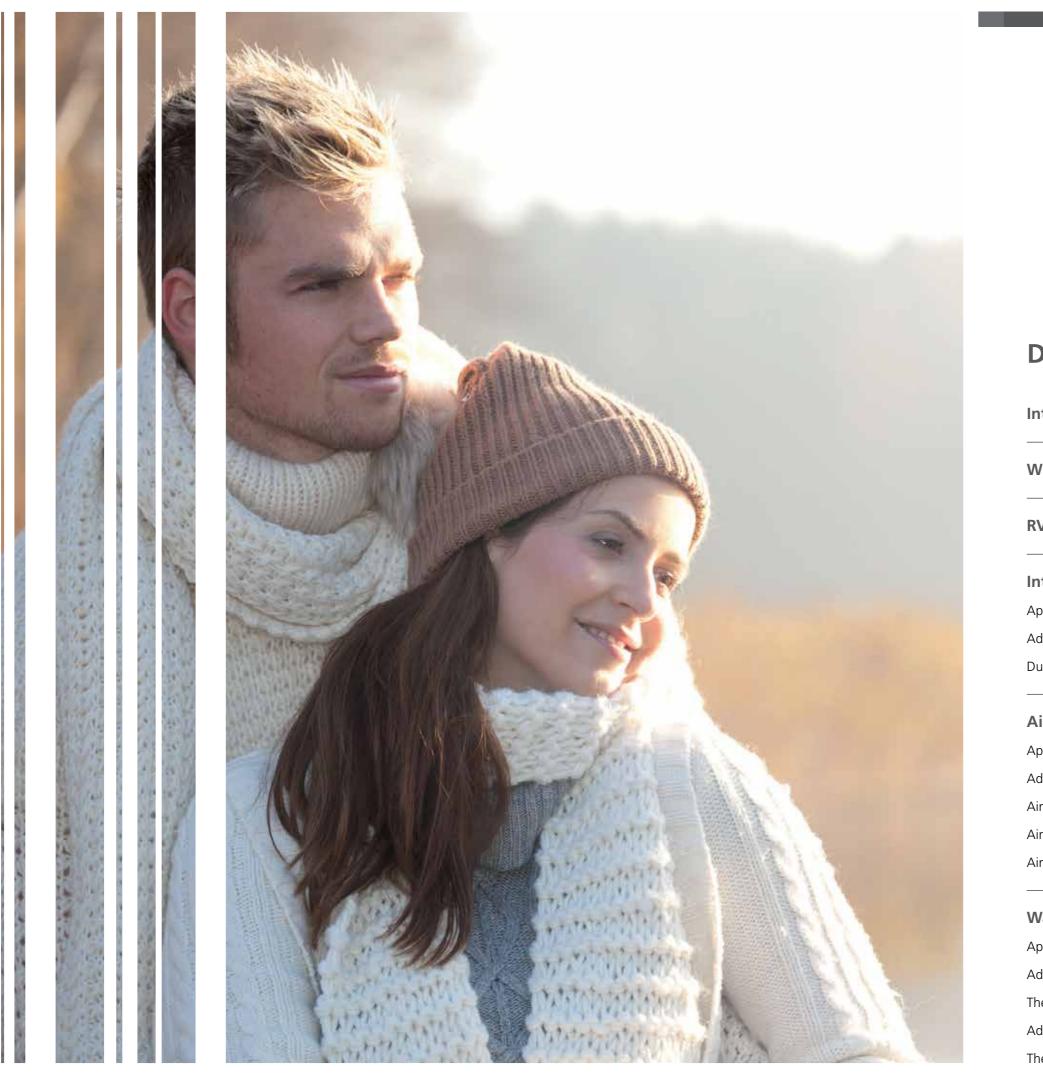
Market launch of BlueCool Drive 40 climate kit New generation of Air Top Evo 40/55

2009 Automatic Altitude Adjustment



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



Introduction to a

Which heater for

RV-specific heate

Integrated heate Application concept Advantages Dual Top Evo

Air heaters Application concept Advantages Air Top 2000 ST Air Top Evo 40 Air Top Evo 55

Water heaters Application concept Advantages Thermo Top C Motorc Additional kits for the Thermo Pro 90

Diesel heating solutions

autonomous camping	12
r what application?	14
er scope of delivery	15
ers	16
	18
	19
	20
	22
	24
	25
	26
	28
	30
	32
	34
	35
caravan	36
e Thermo Top C Motorcaravan	38
	40
	11

Introduction to autonomous camping



Innovative technology for more freedom – heating with diesel

Live in total autonomy – heat and drive with diesel. Besides the fact that you can gain more space inside the vehicle or increase your payload when heating with diesel, it provides you with more freedom and autonomy. Exactly what you need when you are on holiday and want to relax rather than wonder where to get new gas.

Diesel heating is not that new anymore to the motorhome market as Webasto has been providing sophisticated solutions for years. Heating with the fuel provided by the vehicle fuel tank is the smartest way to make use of the existing fuel on board.

This enables to reduce the overall gas consumption e.g. in winter by more than 80%. You can get diesel fuel anywhere nearly 24/7 whereas finding proper LPG gas supplies might end up in some annoying hassle also due to the different gas bottles and adaptors used throughout Europe.

By heating with diesel you can benefit from:

- 24/7 availability at different fuel stations throughout the world
- Carrying less LPG gas bottles leads to an increase of payload
- Less hassle to find supplies in foreign countries
- Reduced physical handling of heavy LPG gas bottles
- Heating whilst driving without any further expenses
- Thus, enjoying a warm cabin from the very first mintue of your stay

Webasto – market leader when it comes to diesel heating

Every year, Webasto produces more than 1 million fuel operated heaters for all kinds of markets: car, truck, lightduty vehicles, off-highway, special vehicles, rail, bus, defense, recreational vehicles and marine. Quality, reliability and performance have always been our top priorities. We test our systems regularly in our own climatic test chambers against the highest quality standards, exposing them to varied and extreme temperatures and weather conditions. This enables us to adapt them perfectly to your motorhome needs.

Which heater for what application?

Dual Top Evo Integrated heaters



- Supply of warm air and hot water Designed to be installed outside
- Precise and stepless cabin temperature control
- Very fast heat-up phase
- Low noise operation

the vehicle

 Perfect heat output even at high altitudes



Air Top

Air heaters

- Supply of warm air to the cabin
- Short heating-up times thanks to effective output Available as a complete installation
- kit for quick and simple retrofitting
- Perfect heat output even at high altitudes (Automatic Altitude Adjustment)
- Low noise operation
- Very compact dimensions
- Can be installed outside the vehicle

Thermo Top Water heaters



- Heats the driver's cab and pre-heats the engine
- Can also be connected to the existing water heater system
- Supply of heat via the air outlets in the dash-board
- Space-saving installation in the engine room

RV-specific demands require RV-specific heater scopes of delivery

Why should I choose a RV-specific scope of delivery?

Having absolutely satisfied customers in the long term is the objective of our RV scopes of delivery. Therefore we have significant differences between the heaters and applications in the RV market compared to other markets. These differences are illustrated below:

Easier to handle RV scopes of delivery 1

- Plug & Play System: Ready to install
- One order number for a complete kit
- Reduction of purchasing and logistics efforts
- New packaging logic of kits for faster and easier installation

Very low noise applications 2

Noise reduction accessories that sum up to a no noise kit like:

- Specific RV dosing pumps: Operate at a very low noise level
- Exhaust, combustion and heating air silencers reduce significantly noise emissions, ensuring peaceful nights for customers and their neighbours

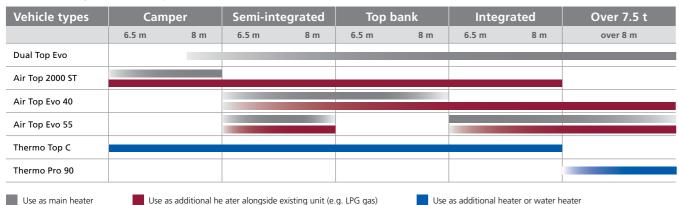
Differences to Webasto heaters 3 designed for other markets

Air heaters designed for other markets start to idle when the target temperature is reached:

- The side-effect:
- End users feel a cold air flow from the outlets, which makes them feel uncomfortable inside the vehicle
- The solution:

RV-specific heaters are programmed differently. The idling effect is deactivated in all heaters inside the RV scopes of delivery to provide the best comfort for the end user

Which heating product fits your demands?



5

External cabin temperature sensor is obligatory 4 for RV applications

It is standard in all RV scopes of delivery and provides additional advantages:

- Target temperature inside is reached more accurately
- Using the external cabin temperature sensor triggers the heater to stop the blower in stand-by mode
- In addition, the power consumption is reduced significantly

Suitable for operation in high altitudes

- Dual Top heaters are by default suitable for operation at higher altitudes
- Integrated altitude sensor in Air Top Evo heaters guarantees optimum heat output at high altitudes
- The Air Top 2000 ST is equipped with an altitude switch for manual altitude adjustment

Integrated heaters

Integrated heaters

Webasto Dual Top Evo: The sophisticated integrated heater solution





Helsen Dr. (SATE

The Dual Top Evo standard manual control

- Two knobs to choose operation mode and desired temperature
- Summer mode with either hot water at 40 °C or 70 °C
- Winter mode with air heating only or combined with hot water up to 70 °C
- Autodrain function of boiler
- Additional manual or automatic antifreeze function

Technical specifications:

	Dual Top Evo 6	Dual Top Evo 7	Dual Top Evo 8
Heating power (kW)	1.5 – 6.0	1.5 – 6.0	1.5 – 6.0
Additional power with electrical coil (kW)		0.6 – 1.2	1.0 - 2.0
Fuel	Diesel	Diesel	Diesel
Fuel consumption (l/h)	0.19 – 0.66	0.19 – 0.66	0.19 – 0.66
Rated voltage (V)	12	12	12
Operating voltage range (V)	9 – 15	9 – 15	9 – 15
Rated power consumption (W)	15 – 65	15 – 65	15 – 65
Boiler capacity (l)	11	11	11
Air flow max. (m³/h)	230	230	230
Dimensions L x W x H (mm)	530 x 352 x 256	530 x 352 x 256	530 x 352 x 256
Weight (kg)	20	21	21

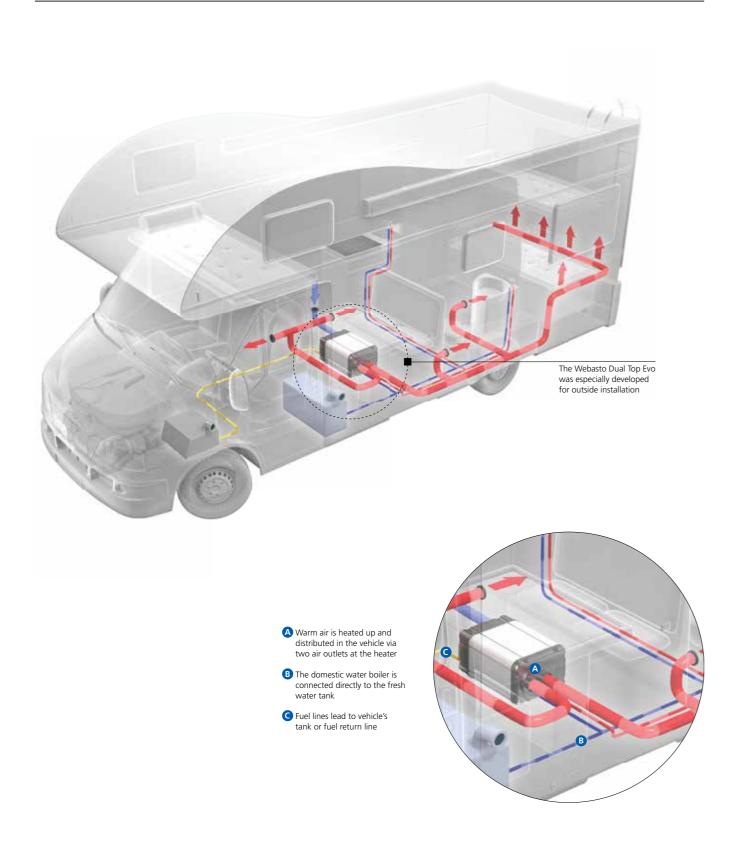
Diesel Heating

SEE PAGE 20

- Dual Top Evo 6
- Dual Top Evo 7/8 with additional electrical heating

Integrated heaters

Application concept

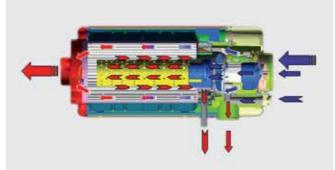


Integrated heaters

Advantages

The advantages of Webasto Dual Top Evo heaters

- Supply of warm air and hot water
- Heating Power from 1.5 kW to 8 kW (with electrical coil)
- Water temperature on demand: Eco water heating up to 40 °C or Boost water heating up to 70 °C
- Smooth blower and burner operation for low noise and fuel consumption
- Precise and stepless cabin temperature control
- Very fast heat-up phase
- Low noise operation
- 11 liter hot water boiler for long showers
- Designed to be installed outside the vehicle for maximum space inside
- Heating while driving allowed in all countries making hot water readily available at each stop
- Less weight through reduced need for LPG gas bottles



Diesel Heating

How Webasto Dual Top Evo heaters work

Webasto Dual Top Evo is an integrated air- and water heating system that operates efficiently and cost-effectively.

When the unit is switched on, the dosing pump feeds fuel from the vehicle fuel tank to the heater. Here the fuel is automatically ignited by means of a glow plug. In the combustion chamber, the flame heats up the heat exchanger. The unit takes air in from the outside for combustion purposes and the combusted exhaust is discharged to the outside.

During heating, the integrated fan takes in the cold air from inside of the vehicle and routes it through the unit. As the air flows through the heat exchanger, it heats up and is then distributed through the outlets back into the vehicle. The connected hot air ducting now spreads the air evenly throughout the vehicle interior. A temperature sensor constantly measures the interior temperature and automatically adapts the heating power output by adjusting the amount and temperature of air passing through the unit. For heating the vehicle evenly, Dual Top Evo has two outlets delivering the heated air.

The advantage here is that the vehicle can be heated from two directions, guaranteeing perfect warm air distribution.

All Dual Top Evo heaters have an 11-litre-capacity boiler where water is being heated up to 40 °or 70 °C. The Dual Top Evo also features a separate antifreeze mode that can be selected at the control panel and which ensures that the boiler and cabin temperatures remain above freezing point. If the water temperature falls below 6 °C, the automatic drain function ensures that water is emptied from the boiler – even if the heating system is switched off. In addition, the boiler can be drained manually directly at the control panel.

On a campsite with access to electricity, Dual Top Evo versions with electrical coils can run either additionally or exclusively on 230 V electricity.

Integrated heaters

Dual Top Evo

Dual Top Evo – Warm air and water

The Webasto Dual Top Evo is a multimode operation system to provide heating and hot water in all seasons. It can be installed outside the vehicle to free storage space.

What's new on the

improved motors

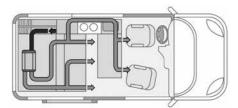
ECE norm

Webasto Dual Top Evo:

 Modern, digital product documentation

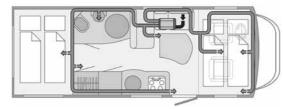
Higher efficiency thanks to

Already certified according to



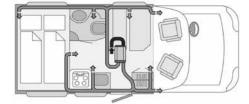


The Dual Top Evo as well as the air intake can be positioned in the back. The heated air can be distributed directly through several outlets inside the living space.





Extracting heating air from an enclosure like a seat box can reduce the noise coming from the heating air ventilator. Especially in vehicles with several areas a number of air outlets positioned in different spots ensure an even distribution of heated air in the living spaces.





Mounting the air intake in a central area will provide an even air circulation throughout the interior. In addition both heater outlets are used in a similar way to distribute the heated air flow evenly in the cabin.

Technical specifications

	Dual Top Evo 6	Dual Top Evo 7	Dual Top Evo 8
Heating power (kW)	1.5 – 6.0	1.5 – 6.0	1.5 – 6.0
Additional power with electrical coil (kW)	_	0.6 – 1.2	1.0 – 2.0
Fuel	Diesel	Diesel	Diesel
Fuel consumption (I/h)	0.19 - 0.66	0.19 - 0.66	0.19 - 0.66
Rated voltage (V)	12	12	12
Operating voltage range (V)	9 – 15	9 – 15	9 – 15
Rated power consumption (W)	15 – 65	15 – 65	15 – 65
Boiler capacity (l)	11	11	11
Air flow max. (m³/h)	230	230	230
Dimensions L x W x H (mm)	530 x 352 x 256	530 x 352 x 256	530 x 352 x 256
Weight (kg)	20	21	21

Scopes of delivery	1	
~		
	2	
~		
Dual Top Evo		
External Temperature Sensor		
Dosing Pump DP40		
Extension Cable Harness Dosing Pump 7 m		
Fuel Hose 5 m	5	
Exhaust Silencer		
Air-Intake Silencer		
Kit Dual Top Rubber Bellow	\downarrow	
Air Intake Cover	4	
L-Mounting Brackets		
Mounting Parts with Shock Absorbers		
10 mm Pipe Connectors		
Documentation (Operation / Installation Instructions)		
Dual Top Evo 6		
Heater (Dual Top Evo 6)		
Manual Control Panel		
Extension Cable Control Panel 3 m	V F	
Cable Harness (Dual Top Evo 6)	5	

Dual Top Evo 7/Dual Top Evo 8	
Heater (Dual Top Evo 7/Dual Top Evo 8)	
Digital Control Panel	
Extension Cable Control Panel 3 m	
Cable Harness (Dual Top Evo 7/Dual Top Evo 8)	



Please refer to our separate heating accessories catalog for our full range of accessories (see also page 7).



der number	
l Top Evo 6 STD AM	9020868C
I Top Evo 6 DP AM*	9021619C
l Top Evo 7 STD AM	9021003C
l Top Evo 7 DP AM*	9022027C
I Top Evo 8 STD AM	9021004C
I Top Evo 8 DP AM*	9022028C

lounting parts

e Dual Top Evo can be mounted inside and outside e vehicle. Please refer to the mounting parts section more information.

uel extractor

e connection of the heater to the fuel system depends on e vehicle. Please select the right solution for your vehicle.

r distribution

r the distribution of the hot air in your vehicle you need ses, distributors and outlets. Please configure your air stribution system individually.

te: Always screw the hot air ducting to the outlets at e heater for a safe application!

later distribution

noose the right components for each vehicle. **Dete: Use quick adapters for all connections!**

ccessories (optional)

For extension of your heating system you will find comfortcontrol elements as well as other installation and system components in the separate heating accessories catalog and a selection of components also in this catalog.

* The Diving Pump (DP) version units are specific for diving pump water systems. Other standard units are suitable for pressure pump water systems only.

Air Top Evo: Perfect heat even in high altitudes!





Air heaters







3 heaters in 1 with the Air Top Evo control!

- Multi mode operation to match your individual heating power demands:
 - SECO mode for reduced electrical power consumption by -30 %
 - Power mode PLUS for maximum heating power output
- Ventilation mode to provide fresh and cool air to your cabins on a hot day
- Available as an upgrade on all Webasto Air Top Evo heaters

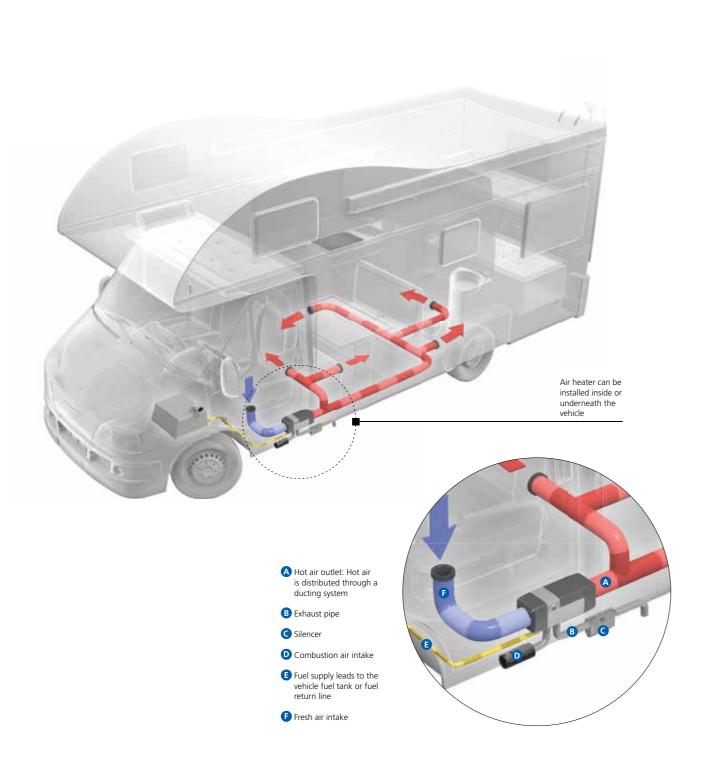
Technical specifications:

	Air Top 2000 ST	Air Top Evo 40	Air Top Evo 55
Heat power (kW)	0.9 – 2.0	1.5 – 3.5 (4.0*)	1.5 – 5.0 (5.5*)
Fuel	Diesel	Diesel	Diesel
Fuel consumption (l/h)	0.12 – 0.24	0.18 – 0.43 (0.49)	0.18 – 0.61 (0.67)
Rated voltage (V)	12	12	12
Rated power consumption (W)	14 – 29	15 – 40 (55)	15 – 95 (130)
Air flow against 0.5 mbar (m³/h)	93	132 (140)	200 (220)
Dimensions L x W x H (mm)	311 x 120 x 121	423 x 148 x 162	423 x 148 x 162
Weight (kg)	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)



Application concept



Air heaters

Advantages

The advantages of Webasto air heaters

- Optimum heat output at high altitudes thanks to integrated altitude sensor (Evo range) or manual altitude switch (Air Top 2000 ST)
- Heating power from 0.9 kW to 5.5 kW
- Very compact heater for easier and faster installation
- Smooth blower and burner operation for low noise and fuel consumption
- Hot air is channeled and distributed through the motor home, ensuring a constant temperature
- Precise and stepless cabin temperature control
- Very fast heat-up phase
- Low noise operation
- Diesel-fueled, directly fed from the tank
- More space inside due to the possibility of outside installation
- Heating while driving allowed in all countries



Diesel Heating

How Webasto air heaters work

When the unit is switched on, the dosing pump feeds fuel from the vehicle fuel tank to the heater. Here the fuel is automatically ignited by means of a glow plug. If combustion does not occur immediately, the unit automatically repeats the start-up procedure. In the combustion chamber, a flame is lit which heats up the heat exchanger. The unit takes air in from the outside for combustion purposes and the combusted exhaust air is discharged to the outside.

During heating, the integrated fan takes in the air to be heated through the inlet and feeds it through the unit. As the air flows through the heat exchanger, it heats up and is then distributed through the outlet.

The connected hot air pipes now spread the air evenly throughout the vehicle interior. Due to the unit's own separation of the combustion circuit from the heating circuit, there is no impairment of the quality of the hot air.

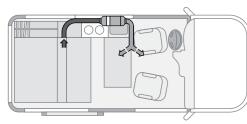
A temperature sensor constantly measures the interior temperature and automatically adapts the heating power output by adjusting the amount of air passing through the unit. In this way, the temperature selected by the user is rapidly reached and maintained at a constant level.

After the unit has been switched off, the combustion process is terminated in a controlled manner. For this purpose, the unit briefly goes into re-run mode to cool itself down. It is then immediately ready for restarting.

Air Top 2000 ST

Air Top 2000 ST – quiet comfort

The quiet heater – the smallest air heater on the market. It offers excellent heat output and optimal economy.



A simple air distribution system is recommended in small recreational vehicles. Heated air outlets and intake positioned as far as possible from each other ensure that the air is distributed uniformly.

The advantages of the

electronic thermostat

Constant cosiness thanks to an

Short heating-up times thanks to

Air Top 2000 ST

effective output

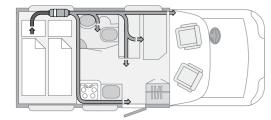
Low operating costs

simple retrofitting

• Available as a complete

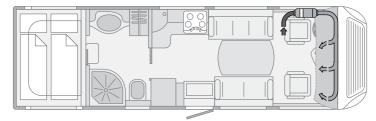
Very compact dimensions

installation kit for quick and





The air intake system also heats the garage it operates in. An aperture returning air to the living space is then obligatory.



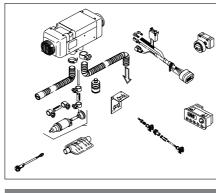


In large vehicles the Air Top 2000 ST is used as an additional heater for the front section for generating pleasant temperatures in this inadequately insulated area as well.

Technical specifications

	Air Top 2000 ST
Heating power (kW)	0.9 – 2.0
Fuel	Diesel
Fuel consumption (l/h)	0.12 - 0.24
Rated voltage (V)	12
Rated power consumption (W)	14 - 29
Air flow against 0.5 mbar (m³/h)	93
Dimensions L x W x H (mm)	311 x 120 x 121
Weight (kg)	2.6

Scopes of delivery



Air Top 2000 ST External Temperature Sensor

Extension Dosing Pump Cable Harness 7 m	
Fuel Hose 5 m	
Dosing Pump DP2	
Mounting Parts	
Documentation (Operation /Installation Instruction	ons)
Standard Scope of Delivery (1)	
Basic Heater	
Basic Cable Harness	
Small Air Intake Silencer with Hose 30 cm	
Flex. Exhaust Tube 60 cm	
Turning Knob Control Panel	
Standard Exhaust Silencer	



Standard Altitude Scope of Delivery (2)

Standard Altitude equal to the Comfort Scope of Delivery but with Turning Knob Control Panel instead of Digital Control Panel 1531



Comfort Scope of Delivery (3)
Manual Altitude Mode Heater
Cable Harness with Altitude Mode
Altitude Switch
Big Air Intake Silencer with Hose 50 cm
Flex. Exhaust Tube 80 cm
Digital Control Panel 1531
Thermo Top Exhaust Silencer





Order number	
Air Top 2000 ST D 12V RV Standard (1)	9022802B
Air Top 2000 ST D 12V RV Standard Altitude (2)	9028793B
Air Top 2000 ST D 12V RV Comfort (3)	9022803B

Mounting parts

1

2

3

4

5

For best mounting of each heater, please refer to our dedicated mounting accessories.

Fuel extractor

The connection of the heater to the fuel system depends on the vehicle. Please select the right solution for each vehicle.

Air distribution

For the distribution of the hot air in a motorhome, you need hoses, distributors and outlets. Please compose the air system individually.

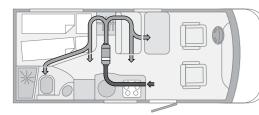
Accessories (optional)

For extension of your heating system you will find comfortcontrol elements as well as other installation and system components in the separate heating accessories catalog and a selection of components also in this catalog.

Air Top Evo 40

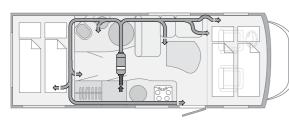
NEW

New Air Top Evo 40 – more efficient & more silent High-output, compact and quiet, the heater is ideally suited for the most rigorous requirements. It can be upgraded with the new multi mode control panel to offer additional operation modes depending on individual heating requirements.



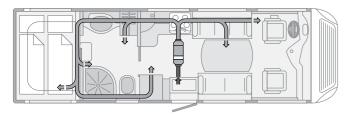


Depicted here is an underfloor heater operating in recirculated air mode with four outlets. The entrance area is heated indirectly by the intake line.





In top-bank vehicles the upper sleeping area should be heated with a separate outlet. The same is recommended for the garage.





In vehicles consisting of several separate areas a sufficient number of outlets must be installed for a uniform distribution of heat. The air intake is at a central location in the vehicle.

The advantages of the Air Top Evo 40

■ Up to 4.0 kW heat output

- Very low electrical power consumption due to new Intelligent Blower Control
- Very silent operation due to lower blower speed and silent fuel pump (DP42)
- New flame detection through exhaust gas temperature sensor
- Automatic altitude adjustment as a standard
- Automatic cold start function for quick warm-up
- Compatible to new MultiControl digital user interface

What is the Intelligent Blower Control?

Thanks to the control of more parameters (more sensors), the heating regulation can now disconnect, to a certain extent, the heating output from the blower speed, resulting in:

- A lower electrical consumption and lower noise on regular operation (lower motor speed for same heat output).
- A higher heat output availability for applications with higher back pressure.

Technical	specifications
lecilical	specifications

	Air Top Evo 40
Heating power (kW)	1.5 – 3.5 (4.0*)
Fuel	Diesel
Fuel consumption (I/h)	0.18 - 0.43 (0.49)
Rated voltage (V)	12
Rated power consumption (W)	15 – 40 (55)
Air flow against 0.5 mbar (m³/h)	132 (140)
Dimensions L x W x H (mm)	423 x 148 x 162
Weight (kg)	5.9

* Boost power level for a maximum duration of 6 hrs.

3 4 5

1

2



Comfort Scope of Delivery Multicomfort Control Panel MC04

Scopes of delivery

Air Top Evo 40

Fuel Hose 5 m

Dosing Pump DP42

Exhaust Silencer Mounting Parts

Documentation

Heater with (Pressure) Altitude Sensor

External Temperature Sensor 2.5 m

Air-Intake Silencer Air Top Evo

Standard Scope of Delivery

Extension Cable Harness Dosing Pump 3 m

Turning Knob Control Panel

Flex. Air Intake Tube 30 cm

Flex. Exhaust Tube 80 cm

RV Cable Harness with Integrated DP42 Cable

Flex Air Intake Tube 50 cm Extension Cable Harness Dosing Pump 5 m Flex. Exhaust Tube 1.1 m





Order number

Air Top Evo 40 D 12V RV Standard

Air Top Evo 40 D 12V RV Comfort

9029235B

9029236B

Mounting parts

For best mounting of each heater, please refer to our dedicated mounting accessories.

Fuel extractor

The connection of the heater to the fuel system depends on the vehicle. Please select the right solution for each vehicle.

Air distribution

For the distribution of the hot air in a motorhome, you need hoses, distributors and outlets. Please compose the air system individually.

Accessories (optional)

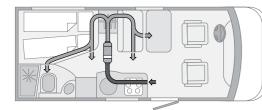
For extension of your heating system you will find comfortcontrol elements as well as other installation and system components in the separate heating accessories catalog and a selection of components also in this catalog.

Air Top Evo 55

NEW

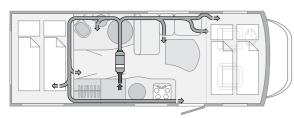
New Air Top Evo 55 – more efficient & more silent for extreme conditions

Extremely powerful, compact and quiet, this heater ensures a comfortable climate for larger motorhomes even under the harshest conditions and satisfies the most demanding requirements. It can be upgraded with the new multi mode control panel to offer additional operation modes depending on individual heating requirements.



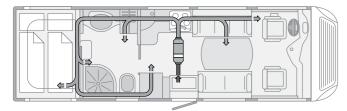


Depicted here is an underfloor heater operating in recirculated air mode with four outlets. The entrance area is heated indirectly by the intake line.





In top-bank vehicles the upper sleeping area should be heated with a separate outlet. The same is recommended for the garage.





In vehicles consisting of several separate areas a sufficient number of outlets must be installed for a uniform distribution of heat. The air intake is at a central location in the vehicle.

Technical specifications

	Air Top Evo 55
Heating power (kW)	1.5 – 5.0 (5.5*)
Fuel	Diesel
Fuel consumption (I/h)	0.18 – 0.61 (0.67)
Rated voltage (V)	12
Rated power consumption (W)	15 – 95 (130)
Air flow against 0.5 mbar (m³/h)	200 (220)
Dimensions L x W x H (mm)	423 x 148 x 162
Weight (kg)	5.9

* Boost power level for a maximum duration of 30 min.

The advantages of the Air Top Evo 55

- Up to 5.5 kW heat output
- Very low electrical power consumption due to new Intelligent Blower Control
- Very silent operation due to lower blower speed and silent fuel pump (DP42)
- New flame detection through exhaust gas temperature sensor
- Automatic altitude adjustment as a standard
- Automatic cold start function for quick warm-up
- Compatible to new MultiControl digital user interface

What is the Intelligent Blower Control?

Thanks to the control of more parameters (more sensors), the heating regulation can now disconnect, to a certain extent, the heating output from the blower speed, resulting in:

- A lower electrical consumption and lower noise on regular operation (lower motor speed for same heat output).
- A higher heat output availability for applications with higher back pressure.



to Cable Harriess with integrated DP42 Cable
External Temperature Sensor 2.5 m
Fuel Hose 5 m
Air-Intake Silencer Air Top Evo
Exhaust Silencer
Dosing Pump DP42
Mounting Parts
Documentation
Standard Scope of Delivery
Furning Knob Control Panel
Flex. Air Intake Tube 30 cm
Extension Cable Harness Dosing Pump 3 m
Flex. Exhaust Tube 80 cm



Comfort Scope of Delivery Multicomfort Control Panel MC04

Flex. Air Intake Tube 50 cm Extension Cable Harness Dosing Pump 5 m Flex. Exhaust Tube 1.1 m



Plea cata

30



Order number

1

2

3

4

5

Air Top Evo 55 D 12V RV Standard

Air Top Evo 55 D 12V RV Comfort

9029244B

9029245B

Mounting parts

For best mounting of each heater, please refer to our dedicated mounting accessories.

Fuel extractor

The connection of the heater to the fuel system depends on the vehicle. Please select the right solution for each vehicle.

Air distribution

For the distribution of the hot air in a motorhome, you need hoses, distributors and outlets. Please compose the air system individually.

Accessories (optional)

For extension of your heating system you will find comfortcontrol elements as well as other installation an system components in the separate heating accessories catalog and a selection of components also in this catalog.

Water heaters

Thermo Top C Motorcaravan: The popular parking heater adapted to RV needs







Technical specifications:

	Thermo Top C Motorcaravan	Thermo Pro 90
Heating power (kW)	2.5 – 5.2	1.8 – 7.6 (9.1)
Fuel	Diesel	Diesel
Fuel consumption (I/h)	0.30 – 0.61	0.15 – 0.90 (1.1)
Rated voltage (V)	12	12
Operating voltage range (V)	10.5 – 15	10.5 – 16
Rated power consumption (W)	18 – 42	37 – 83 (90)
Dimensions L x W x H (mm)	214 x 106 x 168	355 x 131 x 232
Weight (kg)	2.9	4.9



Greater comfort with our innovative Webasto Thermo Call App. Run your water or air heater easily with a smartphone via App for iOS and Android.



Thermo Pro 90

SEE PAGE 40

Application concept

<image>

A Check valve

C Intake silencer

Exhaust pipe

B Combustion air intake

D Water pump and water input

Fuel pipe to vehicle fuel tank or to fuel return pipe
Exhaust silencer
Hot water output

The Thermo Top C Motorcaravan can also be integrated into the existing water heating system.

Water heaters

Advantages

The advantages of a Webasto water heater

- Supply of warmth via the air outlets in the dash board (Thermo Top C Motorcaravan)
- Cabin heating and optional pre-heating of the engine
- Heating power up to 5.2 kW or up to 9 kW
- Less emissions due to engine pre-heating
- Very fast heat-up phase
- Quiet-running, low noise operation
- Diesel-fueled, directly fed from the tank



How Webasto water heaters work

When the unit is switched on, the dosing pump feeds fuel from the vehicle fuel tank to the heater. Here the fuel is automatically ignited by means of a glow plug. If combustion does not occur immediately, the unit automatically repeats the start-up procedure. In the combustion chamber a flame is lit which heats up the heat exchanger. The unit takes air in from the outside for combustion purposes and the combusted exhaust air is discharged to the outside.

During heating an internal circulation pump feeds the water glycol mixture through the unit. As the water glycol mixture flows through the heat exchanger, it heats up. In the connected water circulation system, heat exchangers then transfer the energy to the interior and the engine.

Once the vehicle interior or engine has warmed up, the heat requirement is reduced and the water temperature continues to rise. At a pre-set temperature threshold the unit reduces output at this moment or goes into standby mode.

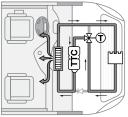
The heating procedure automatically restarts when the water temperature drops below a certain level. The unit thus adapts the heat output automatically to the heat requirement.

After the unit has been switched off, the combustion process is terminated in a controlled manner. For this purpose, the unit briefly goes into re-run mode to cool itself down. It is then immediately ready for restarting.

Thermo Top C Motorcaravan

Thermo Top C Motorcaravan

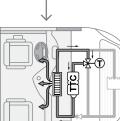
The Thermo Top C Motorcaravan is the combination of the popular Webasto parking heater adapted to the specific needs of RV enthusiasts. It allows unlimited heating and offers the double function of heating the cabin and preheating the engine.



The switch is turned to the symbol for preheating the engine (and the cabin): The water circuit is heated up to a state which opens the thermostat valve. The engine is heated up by the hot water. The effect can even be increased by reducing the blower speed at the air outlets to a minimum.







The switch is turned to the symbol cabin heating only: The hot water circulates in the vehicle's water circuit, thus heating up the cabin. The circuit only heats up to a point that the valve is not opened. All available heat is transferred via the vehicles' blower



system to the driver's cabin.



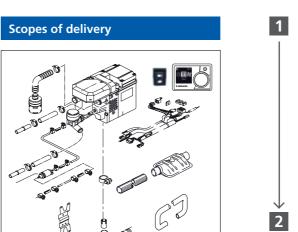
The advantages of the Thermo Top C Motorcaravan

Heating power up to 5.2 kW

- More comfort in the front of the vehicle thanks to warmth supplied via the air outlets in the dash board
- Cabin heating and optional pre-heating of the engine
- Very fast heat-up phase
- Low noise operation

MultiControl

Compatible with new digital



Thermo Top C Motorcaravan Heater (Thermo Top C Motorcaravan) Cable Harness Dosing Pump DP2 Flex. Exhaust Tube with Exhaust Silencer Mounting Parts Documentation Circulating pump 4847 MultiControl Thermo Top Toggle Switch Basic Scope of Delivery Special vehicle kits have to be ordered in addition to above scope of delivery. Standard Scope of Delivery Mounting parts coolant circuit integration Air-intake silencer Installation instructions Standard Fuel extractor T-piece Mounting bracket Standard Check valve + thermostat

3

4

Technical specifications

	Thermo Top C Motorcaravan
Heating power (kW)	2.5 - 5.2
Fuel	Diesel
Fuel consumption (I/h)	0.3 - 0.61
Rated voltage (V)	12
Operating voltage range (V)	10.5 – 15
Rated power consumption (W)	18 – 42
Dimensions L x W x H (mm)	214 x 106 x 168
Weight (kg)	2.9

36



Order number

Thermo Top C Motorcaravan D 12V RV Basic 9015824A In order to receive a complete application, please choose in addition to the Basic scope of delivery one of the vehicle specific kits explained on the following page.

Thermo Top C Motorcaravan D 12V RV Standard **9008069C** The Standard scope of delivery already includes parts for a Fiat Ducato chassis application.

Additional kits for basic scope of delivery

In order to receive a complete application, please choose in addition to the Basic scope of delivery, one of the vehicle specific kits explained on the following page.

Mounting parts

For best mounting of each heater, please refer to our dedicated mounting accessories.

Accessories (optional)

For extension of your heater system you will find comfort control elements as well as other installation and system components in the separate heating accessories catalog as well as in this catalog.

Additional kits for the Thermo Top C Motorcaravan

In addition to the Thermo Top C Motorcaravan basic scope of delivery, you need to choose one of the following kits depending on the vehicle for a complete application.

Fiat Ducato

Scopes of delivery	Order numbers
Installation Kit Fiat Ducato 2.3L	9015693F
Mounting parts coolant circuit integration	KIT TT-C MC D 12V RV Fiat Ducato 2.3L
Air-intake silencer	
Installation instructions Fiat Ducato	
Fuel extractor T-piece	
Mounting bracket Fiat Ducato	
Back-pressure valve + thermostat	
Installation Kit Fiat Ducato 3.0L	9016330C
Mounting parts coolant circuit integration	KIT TT-C MC D 12V RV Fiat Ducato 3.0L
Air-intake silencer	
Installation instructions Fiat Ducato	
Fuel extractor T-piece	
Mounting bracket Fiat Ducato	
Back-pressure valve + thermostat	
Installation Kit Fiat Ducato Euro 5	9026600B
Mounting parts coolant circuit integration	KIT TT-C MC D 12V RV Fiat Ducato Euro 5
Air-intake silencer	
Installation instructions Fiat Ducato	
Fuel extractor T-piece	
Mounting bracket Fiat Ducato	
Back-pressure valve + thermostat	

Ford Transit

Scopes of delivery	Order numbers
Installation Kit Ford Transit Front Drive	9015705B
Mounting parts coolant circuit integration	KIT TT-C MC D 12V RV Ford Transit Front
Air-intake silencer	
Installation instructions Ford Transit	
Fuel extractor T-piece	
Mounting bracket Ford Transit	
Back-pressure valve + thermostat	
Installation Kit Ford Transit Rear Drive	9016212B
Mounting parts coolant circuit integration	KIT TT-C MC D 12V RV Ford Transit Back
Air-intake silencer	
Installation instructions Ford Transit	
Fuel extractor T-piece	
Mounting bracket Ford Transit	
Back-pressure valve + thermostat	

Water heaters

Additional kits for the Thermo Top C Motorcaravan

Mercedes

Scopes of delivery	Order numbers
Installation Kit Mercedes Sprinter	9016207A
Mounting parts coolant circuit integration	KIT TT-C MC D 12V RV Merc
Air-intake silencer	
Installation instructions MB Sprinter	
Fuel extractor T-piece	
Mounting bracket Mercedes Sprinter	
Back-pressure valve + thermostat	
Installation Kit Mercedes Sprinter Euro 6	9030837A
Mounting parts coolant circuit integration	KIT TT-C MC D 12V RV Merc
Air-intake silencer	suitable for AdBlue Engine
Installation instructions MB Sprinter	
Fuel extractor T-piece	
Mounting bracket Mercedes Sprinter	
Back-pressure valve + thermostat	

Renault

Scopes of delivery	Order numbers				
Installation Kit Renault Master	9016321A				
Mounting parts coolant circuit integration	KIT TT-C MC D 12V RV Rena				
Air-intake silencer					
Installation instructions Renault Master					
Fuel extractor T-piece					
Mounting bracket Renault Master					
Back-pressure valve + thermostat					

lveco

Scopes of delivery	Order numbers
Installation Kit Iveco Daily	9016323B
Mounting parts coolant circuit integration	KIT TT-C MC D 12V RV lveco
Air-intake silencer	
Installation instructions lveco Daily	
Fuel extractor T-piece	
Mounting bracket lveco Daily	
Back-pressure valve + thermostat	



rcedes Sprinter

rcedes Sprinter Euro 6,

ault Master



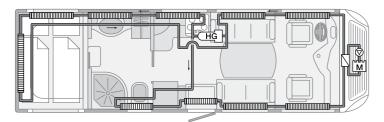
Example of a vehicle-specific kit: Renault Master

co Daily

Thermo Pro 90

Thermo Pro 90

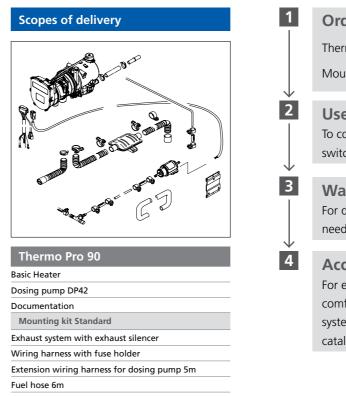
The powerful heater with heating performances of 9.1 kW and sophisticated control logic surprises with compact dimensions and low weight.



When several convectors are applied, a parallel distribution should be chosen. That way you ensure that even the last convector is still performing perfectly.

The advantages of the Thermo Pro 90

- Engine pre-heating and passenger compartment heating in mediumto-large vehicles
- High operational readiness of
- vehicles even at low temperatures Automatic altitude adjustment
- up to 3.500 m



Combustion system with air intake silencer Mounting parts

Technical specifications

	Thermo Pro 90					
Heating power (kW)	1.8 – 7.6 (9.1)					
Fuel	Diesel					
Fuel consumption (I/h)	0.15 - 0.90 (1.1)					
Rated voltage (V)	12					
Operating voltage range (V)	10.5 – 16					
Rated power consumption (W)	37 – 83 (90)					
Dimensions L x W x H (mm)	355 x 131 x 232					
Weight (kg)	4.9					



Order number

Thermo Pro 90 D 12V Basic

9023075A 9024620A

Mounting Kit Thermo Pro 90 12V Standard

User interface

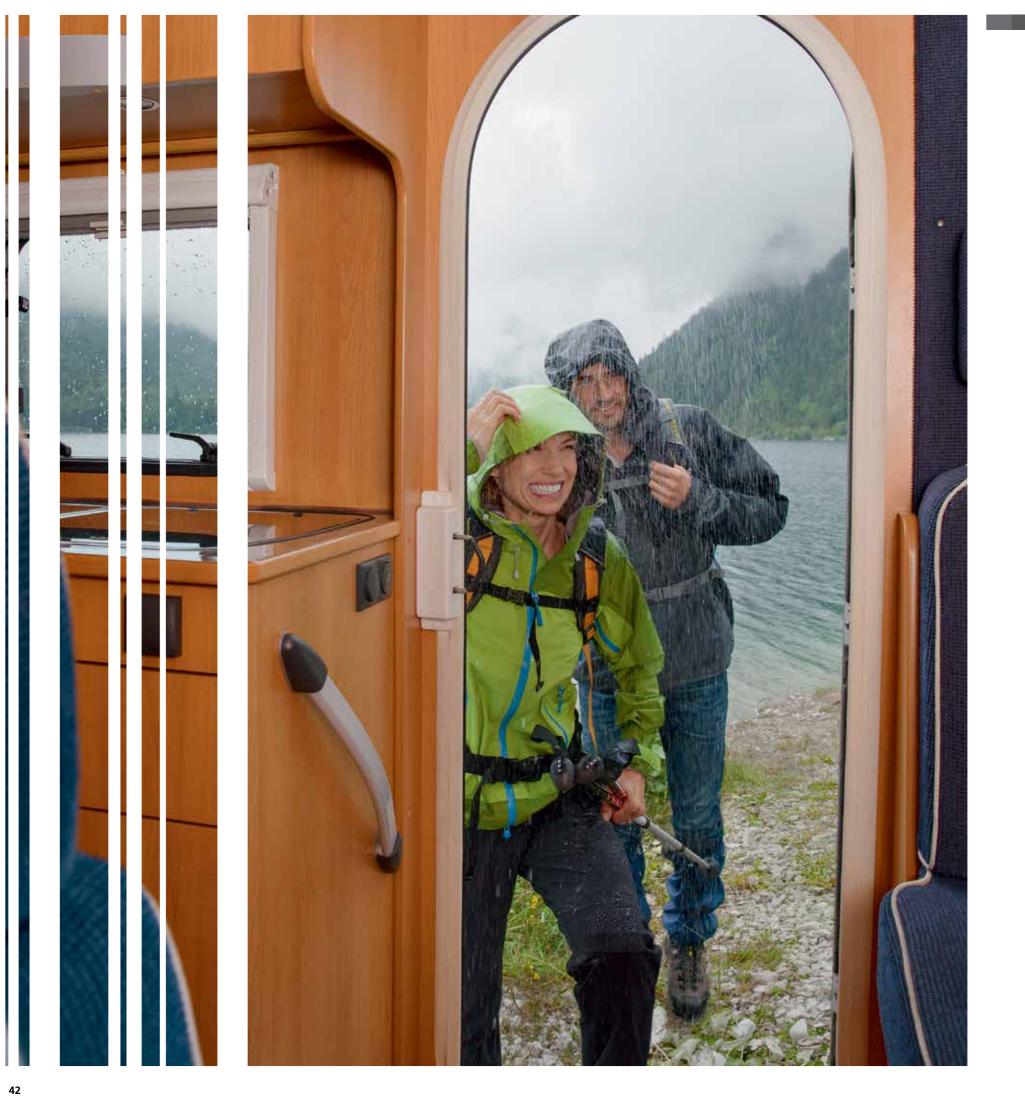
To control the heater please chose a user interface such as a switch or a timer from the accessory catalog.

Water system

For distribution and conversion of heat within the vehicle, you need additional pipes, valves etc.

Accessories (optional)

For extension of your heater system you will find comfortcontrol elements as well as other installation and system components in the separate heating accessories catalog as well as in this catalog.



Webasto hybrid solutions

Hybrid solutior

Hybrid solution Advantages and app Hybrid 5 and Hybrid

ons: The best use of diesel & gas	44
ons	
pplication concept	46
id 7	47

Hybrid solutions: The best use of diesel & gas



A partnership for innovative solutions Webasto and Whale – two companies with complementary

fields of expertise – are now working together to provide the best solutions for the RV and caravanning market. Both companies are recognized for the high quality of their products and their focus on product innovations. The collaboration scope includes product developments and product integration to be in position to offer complete system solutions to our customers in Continental Europe.

Hybrid solutions: Why can they be very attractive?

It starts with strong facts:

- Typically, 88 % of LPG gas is used for cabin heating in winter. Heating with gas leads to the need of heavy gas stock on board and possibly frequent tedious exchange of gas bottles.
- Integrated systems (cabin heating and hot water) shall make performance compromises when both functions are used concurrently. This could lead to very long leadtimes to get hot water for showers.

Hybrid solutions, by providing cabin heating through diesel and two independent devices, fully dedicated to their respecting function, eliminates directly these strong inconveniences.

In addition, when you realize then that there are much lighter solutions and more space in the cabin, Webasto hybrid solutions just make sense.

Webasto Air Top Evo



(-)ebasto

Whale Rapid Heat Gas Boiler





/brid Solutions

Hybrid solutions

Advantages and application concept

Advantages for RV manufacturers

- Space saving installation: The Air Top Evo can be mounted outside the vehicle so no space for a heater needs to be reserved inside the vehicle
- Reduction of weight: Because of the combination of diesel-fueled cabin heating and gas-operated sanitary water heating system, less gas is needed on board (e.g. only one 11kg bottle or two 5kg bottles)
- Easy installation in existing layouts without furniture adaptations
- Better flexibility in the layout definition
- Almost double your power/weight ratio (W/kg)

Advantages for RV users

- Quick heat-up times thanks to the power-boost function
- More cabin space available
- Global Webasto dealer network
- High overall 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 bottle lasts much longer

Hybrid solutions

Hybrid 5 and Hybrid 7

Two smart solutions

Choose between our Hybrid 5 and Hybrid 7 Solution:

With the Hybrid 5 version you get a total heat output of 4 kW with your Webasto Air Top and

- 1.25 kW with your Whale Water Heater.
- With the Hybrid 7 version you get a total heat output of 5.5 kW with your Webasto Air Top and 1.25 kW with your Whale Water Heater.

Hybrid 5



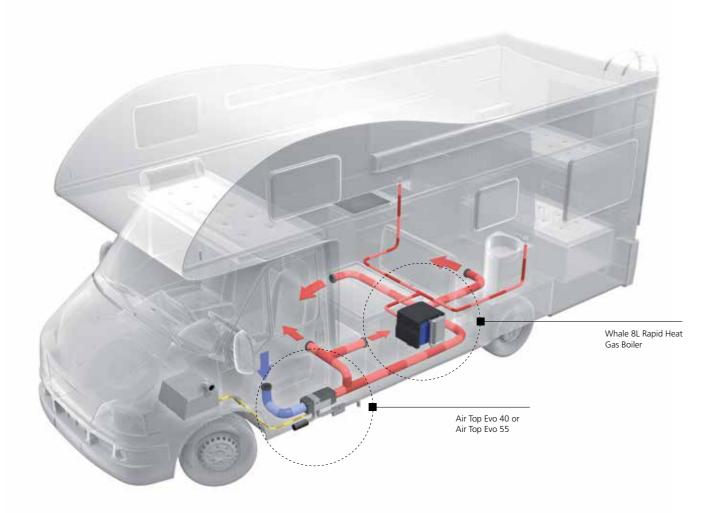
Order numbers 9029235B Air Top Evo 40 D 12V RV Standard 9029236B Air Top Evo 40 D 12V RV Comfort

Order number WH0802 Whale 8L Rapid Heat Gas Boiler

Technical specifications:

	Air Top Evo 40	Air Top Evo 55
Heat output (kW)	1.5 – 3.5 (4.0*)	1.5 – 5.0 (5.5*)
Fuel	Diesel	Diesel
Fuel consumption (l/h)	0.18 – 0.43 (0.49)	0.18 – 0.61 (0.67)
Rated voltage (V)	12	12
Rated power consumption (W)	15 – 40 (55)	15 – 95 (130)
Air Flow against 0.5 mbar (m³/h)	132 (140)	200 (220)
Dimensions L x W x H (mm)	423 x 148 x 162	423 x 148 x 162
Weight (kg)	5.9	5.9

r level for a maximum duration of 6 hrs (Air Top Evo 40) or 30 min (Air Top Evo 55)



Hybrid 7



Order numbers 9029244B Air Top Evo 55 D 12V RV Standard 9029245B Air Top Evo 55 D 12V RV Comfort

	WH0802
Capacity (litres)	8
Heat Input, net (kW)	1.25
Gas Consumption (g/hr)	93
Supply	12 V DC 230 V AC/50 Hz
Electric Setting (W)	750 – 1500
Current Consumption 12 V (A)	max. 0.36 (0.01 on standby)
Current Consumption 230 V (A)	max. 6.5 (1.5 kW settings)
Approximate heat up times (15 to 70 °C):	
– Gas Operation (min.)	26
– Electrical Operation (min.)	20
- Gas & Electrical Operation (min.)	12

Please refer to the Whale catalog for a full range of accessories.





Main acc systems

Hot air ducting

Exhaust and fu

Control elemer

Mounting part

Electrical acces

Diagnostics

Main accessories for heating

g	50
uel system	61
nts	62
ts	65
ssories	67
	68

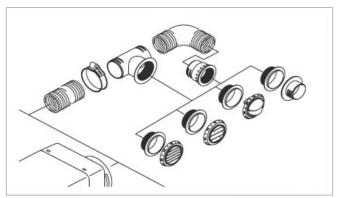
Hot air ducting

Webasto offers the whole range for professional air ducting in recreational vehicles. High quality components combined with high flexibility to fit any application, this is what the Hot Air Ducting System (HADS) stands for!



The advantages:

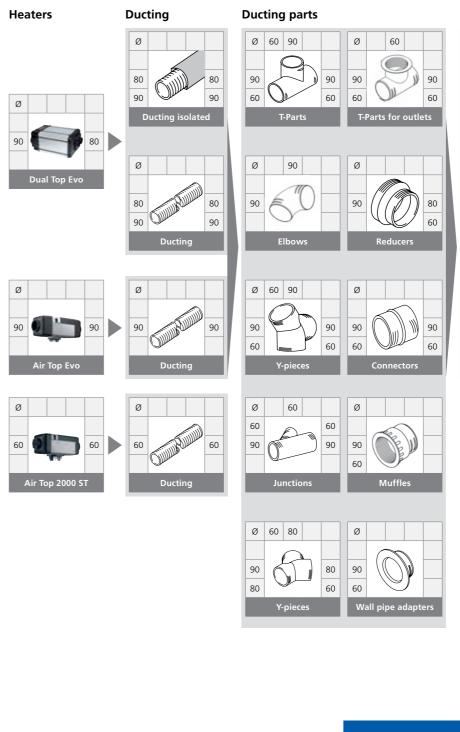
- Full range of mounting parts needed for any application
- Coloured air outlets, black, white, grey and brown fitting to any interior
- Fast mounting without screws possible
- Direct mounting on the wall possible (screws not visible in vehicle)
- Same design for the air outlets 60 mm and 90 mm
- Fast and easy installation, also in small spaces
- High flexibility with new reduction parts diameter 90/80 and 90/60

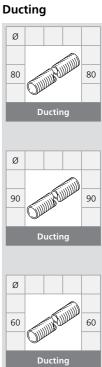


More features:

- High temperature resistance from -40 °C up to +140 °C
- PA6.6 GF30 glass fibre reinforced synthetic material
- Multiple combination possibilities to suit any application

Webasto is not liable for applications made with non-Webasto air ducting parts, especially for parts not guaranteeing high temperature resistance. Air ducting combination possibilities:





Outlets



Outlet closeable



Air flow resistance calculation

Hot air ducting

Air flow resistance calculation

In order to ensure a correct application with correct air ducting system, a continuous main line with openings that cannot be closed must be ensured. When branches are used, the lines branching off the main line are not taken into account. As a result, the branches can also be designed in a way to be closed. The following table lists several air ducting parts. The sum of resistance points must not exceed the maximum number of resistance points for each air heating model.

		Air Top 2000 ST (325 P)			Air Top Evo 40 (550 P) / Air Top Evo 55 (375 P)					
			50/60 mm inle	et .		80 / 90 mm inlet				
		Dim. in mm	Points	ld.	Dim. in mm	Points	ld.			
	Intake grill/grille	60	24	1320163A	90	65	1310581A			
	Flexible tubing	55	30	various	80	27	various			
Di-Commentation	per meter	60	27	various	90	25	various			
	Elbow in flexible	55	10	various	80	7	various			
Di-Chilling Bullion	tube	60	8	various	90	6	various			
<u> </u>	Reducing adapter	60>55	27	1320127A	90>60	211	1320760A			
		-	-	-	90>80	45	1320925A			
Da	Hose connector	55	12	1319473A	80	5	1319476A			
		60	10	1320469A	90	5	1319869A			
	Elbow in flexible	-	-	-	80	50	1319272A			
ÕÕ	tube	-	-	-	90	77	1320706A			
	Branch	60/60/60	9	1320472A	90/60/90	8	1320707A			
	Branch	60/60/60	21	1320472A	80/80/80	50	1319315A			
	Y-piece		_	_	80/55/55	230	1320753A			
	~	-	-	-	80/60/60	201	1320471A			
		-	-	-	90/80/80	50	1320375A			
DEGy		-	-	-	90/90/90	42	1320470A			

		Air Top 2000 ST (325 P)		Air Top Evo 40 (550 P) / Air Top Evo 55 (375 P)					
			50/60 mm inlet			80/90 mm inlet			
		Dim. in mm	Points	ld.	Dim. in mm	Points	Id.		
	T-piece	60/60/60	13	1320474A	90/90/90	13	1320473A		
Da Da Da Da	T-piece	60/60/60	63	1320474A	90/90/90	61	1320473A		
Di	Distributor with	60/60/60	20	1320352A	-	_	-		
	Control valve	55/55/55	19	1319224A	90/90/90	21	1320926A		
.	Threaded T-piece	60/60/60	8	1320476A	90/60/90	11	1320475A		
	Threaded T-piece	60/60/60	36	1320476A	90/60/90	254	1320475A		
•	ł	-	-	-	90/60/90	254	1320475A		
D1a D2a 1 	Spherical heat outlet	60	24	1322615A	80	150	1319327A		
	Closeable air outlet	-	-	1320206A	-	_	_		
		-	-	1320207A	-	_	1320713A		
		_	_	1320937A	-	-	1320355A		
		60	59	1320208A	90	50	1320714A		
	Outlet	-	-	1320204A	-	-	-		
		-	-	1320205A	-	-	1320709A		
		Ø60	-	1320933A	Ø 90	-	1320710A		
		45°	139	1320761A	45°	134	1320354A		
	Outlet	-	-	1320934A	Ø80, 90°	40	107976		
		-	-	1320935A	Ø90, 90°	33	1320932A		
		Ø60	-	1320936A	Ø 90, 90°	33	1320712A		
		90°	35	1320762A	Ø90, 90°	33	1320711A		
	Wall socket	60	10	1320923A	-	_	-		
		-	-	-	90	12	1320924A		

Hot air ducting

Distributor		Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Order number	r Distributor	
Da Da Da	Distributor Y-piece Da = 55 Da = 80 plastic, black	-	•	•	1319416A 1319212A	$\begin{array}{c} 45 \\ \hline \\ D3a \\ \hline \\ 172 \\ \hline \\ D1a \end{array} \begin{array}{c} D2a \\ \hline \\ 60 \\ \hline \\ D1a \end{array}$	Junction fitting D2a = 80, D3a = 80, L = 370, 45 ° D2a = 60, D3a = 60, L = 350 D2a = 80, D3a = 60, L = 350 D1a = 80, 45 °, galvanzied steel
D2a D1a D2a	Distributor Y-piece D1a = 80, D2a = 55, to be used in the secondary flow only D1a = 60, D2a = 60 D1a = 90, D2a = 80 D1a = 90, D2a = 90	•	•	•	1320753A 1320814A 1320375A 1320470A	6,5 57	Console for mounting of flexible pipes
	D1a = 80, D2a = 60 plastic, black T-piece		-		1320471A	Da	double fitting Da = 55, L = 55 Da = 60, L = 50 Da = 80, L = 75 Da = 90, L = 50
Da Da Da	Da = 60 Da = 90 L = 110, 90 °, plastic, black	-	•		1320474A 1320473A		plastic, black, to connect flexible pipes Distributor Da = 55, L = 95 Da = 80, L = 124 plastic, black, with remote control flap
Di	T-piece with thread Di = 60, Da = 60 Di = 60, Da = 90 90 °, plastic, black, with thread	•	•		1320476A 1320475A		Control device for distributor L = 850 L = 1,500 for Distributor 1319224A and 1319214A
Da	End Cap Da = 60 Da = 90 plastic, black	•	•	•	1320477A 1319870A		Bracket for control device 1320785A and 132078
D1a D1a D1a	Junction fitting D1a = 60, L = 145 D1a = 90, L = 146 D2a = 60, 45 °, plastic, black	•	•		1320472A 1320707A	Di	Distributor Di = 60 Di = 90 plastic, black, with remote control flap

	Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Order number
80, L = 370, 45 °			•	1319315A
60, L = 350		-	-	1319314A
60, L = 350		-	-	1320645A
Ivanzied steel		_	_	
exible pipes			•	1321044A
				1319473A
		-		1320469A
			•	1319476A
			-	1319869A
onnect flexible pipes				
	•	•	•	1319224A
		•	•	1319214A
h remote control flap or distributor				
	•	•	•	1320785A
		-	-	1320786A
9224A and 1319214A				
1320785A and 1320786A	•		•	1319688A
	•	•	•	1320352A
		-	-	1320926A
h remote control flap				

Hot air ducting

Distributor	Control device for distributor	Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Order number
R	L = 2,000, for Distributor 1320352A and 1320926A	•			1319868A
Air intake			1		Order number
	Louvre plate L = 190, H = 170, aluminium	•	•	•	1319269A
	Protection grille Di = 60 Di = 90 plastic, black, for air intake and outlet of heater	•			1320163A 1310581A
	Protection grille Di = 60, rubber, for air intake of heater	•			1320173A
D2a D1a	Reducer for air hose D1a = 60, D2a = 55, L = 35 D1a = 90, D2a = 80, L = 45 D1a = 80, D2a = 55, L = 82 plastic, black, for flexible pipe	•		•	1320127A 1320185A 1319477A
190 D2a D2a	Reducer pipe D1a = 80, D2a = 60, L = 190, steel corrosion-resistant, for flexible pipe			•	1319312A

Ducting



Di Calla

	Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Order number
Flexible pipe				
Di = 55, L = 2,000, APK, black	-	-		1315889A
Di = 55, L = 5,000, APK, black	-	-		1321573B
Di = 55, L = 10,000, APK, black, with Webasto Logo	-	-		1322082A
Di = 55, L = 25,000, APK, black, with Webasto Logo	-			1311891A
Di = 60, L = 25,000, APK, black, with Webasto Logo	-	-	-	1311892B
Di = 60, L = 10,000, APK, black, with Webasto Logo	-	-		1322083A
Di = 60, $L = 2,000$, APK, black, with Webasto Logo	-	-		1321574A
Di = 60, $L = 5,000$, APK, black, with Webasto Logo	-	-		1321575A
Di = 80, L = 25,000, APK, black, with Webasto Logo		-		1311893B
Di = 80, L = 10,000, APK, black, with Webasto Logo		-		1321718A
Di = 80, $L = 2,000$, APK, black, with Webasto Logo		-		1321576A
Di = 80, L = 5,000, APK, black, with Webasto Logo		-		1321577A
Di = 90, L = 25,000, APK, black, with Webasto Logo		-	-	1311894B
Di = 90, L = 10,000, APK, black, with Webasto Logo		-		1321719A
Di = 90, $L = 2,000$, APK, black, with Webasto Logo		-		1321578A
Di = 90, $L = 5,000$, APK, black, with Webasto Logo		-		1321579A
Di = 55, L = 25,000, PAPK, grey, with Webasto Logo	•	-	-	1311896B
Di = 55, L = 10,000, PAPK, grey, with Webasto Logo	-	-		1321722A
Di = 55, L = 2,000, PAPK, grey, with Webasto Logo	-	-		1321580A
Di = 55, L = 5,000, PAPK, grey, with Webasto Logo	-	-		1321581A
Di = 60, L = 25,000, PAPK, grey, with Webasto Logo	-	-		1311898B
Di = 60, L = 10,000, PAPK, grey, with Webasto Logo	-	-		1321727A
Di = 60, L = 2,000, PAPK, grey, with Webasto Logo	-	-		1321504A
Di = 60, L = 5,000, PAPK, grey, with Webasto Logo	-	-		1321505A
Di = 80, L = 25,000, PAPK, grey, with Webasto Logo		-	-	1311900B
Di = 80, L = 10,000, PAPK, grey, with Webasto Logo		-		1321729A
Di = 80, L = 2,000, PAPK, grey, with Webasto Logo		-	-	1321582A
Di = 80, L = 5,000, PAPK, grey, with Webasto Logo		-		1321583A
Di = 90, L = 25,000, PAPK, grey, with Webasto Logo		•	•	1311902B
Di = 90, L = 10,000, PAPK, grey, with Webasto Logo				1321731A
Di = 90, L = 2,000, PAPK, grey, with Webasto Logo		•	•	1321506A
Di = 90, L = 5,000, PAPK, grey, with Webasto Logo		-		1321508A
Hose specifications				

Hose specifications APK: Aluminium, Paper, Plastic – black, with white Webasto logo PAPK: Paper, Aluminium, Paper, Plastic – grey, with red and blue Webasto logo, extra strong 4 layer design

Insulated hoses			
Di = 80		-	1321515A
Di = 90	-	•	1321517A
PAK L = 12000 mm, with 10 mm EPDM insulation to minimize heat losses, saves up to 150 W heating energy per 1 m hose length			

Hot air ducting

Adaptors		Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Order number
	Reduction adapter				
Da	Da = 80		•	•	1320925A
	Da = 60		-	-	1320760A
DI	Di = 90, plastic, black, connects on Di to HADS parts				
\bigcirc	Elbow				
O.O	Da = 90, 90 °, plastic, black		-	-	1320706A
	Elbow				
L2 L2 Di2	Di2 = 80.5, Da1 = 79, L1 = 115, L2 = 120, 90 °, steel corrosion-resistant				1319272A
× .	Wall feed-through				
Da2	Da = 60	-	-	-	1320923A
	Da = 90		-	-	1320924A
	plastic, black				
Di	Adaptor ring				
TT (T)	Di = 55, Da = 60, for air outlet 1320812A	-	•	•	1320224A
Da	Di = 70, Da = 80, for air outlet 1319946A		-	-	1320040A
B	B = 17, plastic, black				
	·				

Outlets



	Order number
Air Outlet , closeable	
Da = 60, black 🔳 🔳	1320206A
Da = 60, white,	1320207A
Da = 60, grey	1320937A
Da = 60, brown	1320208A
Da = 90, black	1320355A
Da = 90, white	1320713A
Da = 90, grey	1320714A
L = 30, plastic, outlet closeable, bag with wall feed through	
Air Outlet	
Da = 60, black	1320934A
Da = 60, white	1320935A
Da = 60, grey	1320936A
Da = 60, brown	1320762A
Da = 90, black	1320932A
Da = 90, white	1320712A
Da = 90, grey	1320711A
L = 30, plastic, straight air flow, bag with wall feed through	
 · · · · · · · · · · · · · · · · · · ·	

Outlets	Air Outlet $D1a = 55$, $D2a = 87$ $D1a = 80$, $D2a = 110$ $L = 65$, 90° air flow, plastic, black, insert grid, rotating	Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Order number 101625 107976
	Air outlet, 45 ° Da = 60, black Da = 60, white Da = 60, grey Da = 60, brown Da = 90, black Da = 90, white Da = 90, grey L = 30, plastic, 45°, bag with wall feed through Air outlet	-	•	•	1320204A 1320205A 1320933A 1320761A 1320709A 1320710A 1320354A
Da1 Da2 Da2 D1a	Air outlet D1a = 90, D2a = 120, L = 65, 45 ° air flow, plastic, black, rotating Air outlet D1a = 55, D2a = 87		•	•	1320956A 107836
	D1a = 80, D2a = 110 L = 65, 45 ° air flow, plastic, black, rotating Air outlet D1a = 60, D2a = 92		•	•	107984
	D1a = 80, D2a = 120 plastic, black, rotatable, bowl type outlet Air outlet		•	-	1319327A
D2a L	D1a = 55 D1a = 70 D2a = 100, L = 65, plastic, black, closeable, with wall feed through Hose connector for threaded outlets	ĺ	•	•	1320812A 1319946A
Da1	Da = 60 Da = 90 L = 60, plastic, black	•	•	•	1320922A 1320468A

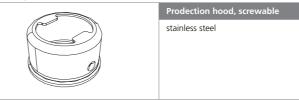
Exhaust and fuel system

Outlets		Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Order number
	Wall pipe				
Da2	D1a = 87, D2a = 55	•	-	-	1320063A
	D1a = 110, D2a = 80		-	•	1319471A
Da1 72,5	L = 73, plastic, black				
190 -1×10	Demist nozzle				
180 1>10 66 - Da	Da = 55, steel corrosion-resistant	•			1319470A

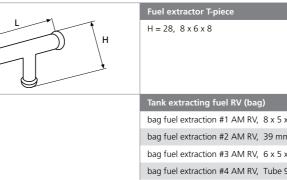
Silencer			Order number
×.	Air ducting silencer		
Di Di 317	Di = 90, Da = 122, L = 317, plastic	•	1320996A
	Air ducting silencer		
Di 640	Di = 90, L = 600, aluminium/plasic	-	1321734A

Rubber bellow		
Kit incl. hose connector and cable binder		9018647C
Air intake cover		
D = 60		1314904A

Exhaust system



Fuel extractor



bag fuel extraction #4 AW RV, Tube bag fuel extraction #5 AM RV, Tube with mounting parts

Air Top 2000 ST	Air Top Evo 40/55	Thermo Top C	Dual Top Evo	Order number
•	•	•	•	1321767A

Order n	umber
---------	-------

	-		-		1320531A
x 8 h-shape		-	-	-	9025128A
im extractor	-	-	-		9025129A
x 6 h-shape	-	-	-		9025130A
90°, 4.5 to 7.5	-		-		9025131A
50 mm, 4.5 x 10.5	-	-	-	-	9025135A

ain Accessories

Control elements

Control elements

		Air Top 2000 ST	Air Top Evo 40/55	Thermo Top C/E	Dual Top Evo	Order number
	Standard Control Dual Top possible selection of various heating modes for domestic water and air heating, boiler drainage and anti-freeze functions				•	1319988A
	Digital Control Dual Top Comes as standard with Dual Top Evo 7 and 8. All functions of the manual control plus electric heater activation, programmable timer and remote activation and control. Control element incl. operating manual for Dual Top Evo 6				•	1320808A 9021150B
l→lebasto © ② ≪ 643 >	Thermo Top digital timer 1530 12 V, red display - three programmable pre-set times - installation dimensions (L x W): 53 x 46 mm - continuous heating possible Extension wiring harness, L = 1.8 m	-		•		35968B 70813B
	Motorcaravan switch - Changeover switch for Thermo Top C Motorcaravan - With connection materials - Printed with engine and cab symbol, with connection materials - Cover panel dimensions (L x B): 19 x 14 mm			•		9011485B
L-Annel	Kit MultiControl Mar RV ATE suitable for permanent heating		•			9030910A
	Kit MultiControl Mar RV TT suitable for permanent heating			•		9030911A
SO	MC 04 12/24 V - Only for Air Top Evo heaters - Cover panel dimensions (L x W): 122 x 80 mm - Installation depth including plug: 51 mm - Allows multi-mode operation to match individual heating capacity requirements		•			1322717A

	Combination digital timer
I-Jebasta	12 V
	24 V
	 3 preselectable on-times per day Progr Cover panel dimensions (L x W): 89 x Installation depth including plug: 51 m Limited availability due to end of prod
	Small component kit for standard/cor
n and the	For connection of standard and combinat
1111	Rotary selector switch Standard
	12/24 V
a Lyebasto	 With switch function and light Cover panel Ø 49 mm Installation depth including plug: 55 m
	Rotary selector switch Automatic Alti
	12/24 V
Avebasto	 With switch function an light Cover panel Ø 49 mm Installation depth including plug: 55 m For Air Top EVO heaters with automat
	Installation cover panel
	 For rotary selector switch 82819 Black plastic
	Installation cover panel with switch f ventilation mode
C. W	 For rotary selector switch 82819 Black plastic
	Rotary switch with function indicator
	12 V – Switching current 15 amps – Green light to indicate operation – With switch position plate and connect
	Switch position plate
	 For rotary switches with function indic Printed foil, (H x B): 41 x 35 mm

	Air Top 2000 ST	Air Top Evo 40/55	Thermo Top C/E	Dual Top Evo	Order number
	•	•			88206A
					88205A
Programmable for 7 days in advance 39 x 42 mm 51 mm production					
d/combination timer					
bination digital timers	•	•			88191B
	•				82819B
	-	-			020130
55 mm					
: Altitude Adjustment					
55 mm		-			9022779A
omatic altitude compensation					
		•			1319733A
tch for heating and					
					92240A
	-	-			522101
cator					
			-		109995
nnector					
indication No. 109995 and 109999	-	-	-		1321017A

Control elements

Mounting parts

		Air Top 2000 ST	Air Top Evo 40/55	Thermo Top C/E	Dual Top Evo	Order number
The second s	 Heating/Ventilation switch Changeover switch for heating and ventilation mode Printed with flame and fan symbol, switching current 3 amps, with connection materials Cover panell dimensions (L x B): 19 x 14 mm 	•				1320434A
	Switch Altitude Mode					
OFF	- change-over contact, for Air Top 2000 ST	•				9020156A
	Remote control by phone Thermo Call TC3					
9.0.8	12 / 24 V – Incl. GSM module, cable harness, GSM antenna pushbutton – Operation via app. for iOS and Android			-	-	7100350C
^	Remote control Telestart T91 Holiday with continuous heating					
<i>9</i> %	function 12 V - With check-back signal. Incl. 1 handheld transmitter with battery, receiver, self-adhesive window antenna and Y adapter	•	-	•		9018150B

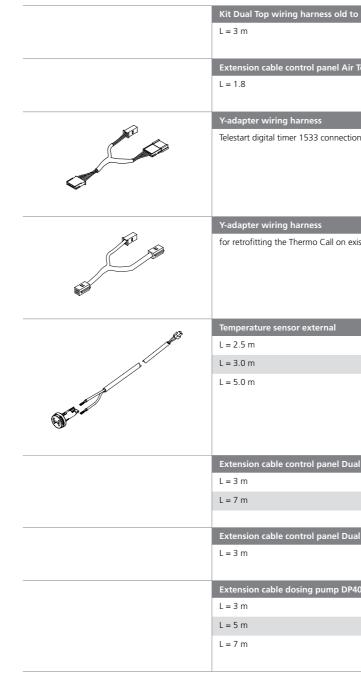
		Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Thermo Top C	Order number
	Air Top Bracket					
	Air Top Bracket, (1)	•	•			1319936A
	Air Top Evo 40 / 55 Bracket, (2)		-			1311688C
	Air Top Evo installation box					
	steel, with mounting parts and brackets					9016392B
~	Air Top installation box					
	steel, with mounting parts and brackets	•				1311609B
	Mounting kit for Fiat Ducato 3800 Standard					
	Kit with brackets and mounting parts			■		1312822A
	Mounting kit for Fiat Ducato 3800 Special					
	Kit with brackets and mounting parts					1312825A
~	Mounting kit for Fiat Ducato 4035 Standard					
6-1 [1]	Kit with brackets and mounting parts (middle positioning)			•		1312819A
	Kit with brackets and mounting parts (rear positioning)			-		1312820A
~	Mounting kit for Fiat Ducato 4035 Special					
Repair of	Kit with brackets and mounting parts			•		1312807A
	Mounting kit for Fiat Van					
	Kit Dual Top Brackets Fiat Van			•		9021523B

Mounting parts

Electrical accessories

	Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Thermo Top C	Order number
Mounting kit for Ford Transit MY 2007					
Kit Dual Top Brackets Ford Transit 2007					1314915A
 Basic application					
Bag with L-brackets and mounting parts			•		9021708A
Kit Dual Top inside application					
			•		9021728A
Sealing for inside application					
					1320726A

Water system				Order number
<u></u>	Connectors			
(Jun,	10 mm brass-barb-connector, bag of 2 pieces		•	9022380A
	Connectors			
	10 mm to 15 mm pipe connector, bag of 2 pieces		•	9022381A



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	000	vo 4(Evo	ob G	
	op 2	ob	Тор	mo T	
	Air Top 2000 ST	Air Top Evo 40/55	Dual Top Evo	Thermo Top C	Order number
o new					
			•		1320837A
Top Standard/MC					
		-			1319724A
on				•	1319873A
xisting Telestart					1319820A
insting relestant					131302071
	-	-			9030881A
			-		9030882A
	-	•			9030883A
al Top Evo 6					
			•		9021976B
			•		9023271B
al Top Evo 7 / 8					
			•		9021975B
40/42					
		•	•		131952A
		•	•		1321836A
		•	•		1319527A

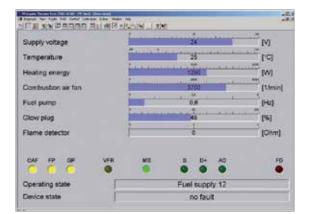
Diagnostics

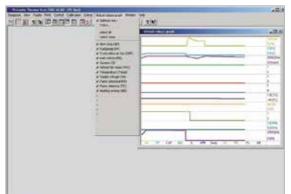
Air Top 2000 ST Air Top Evo 40/55 Thermo Top C Order number PC-Diagnostic-Kit for Windows operating system, USB and serial port . . . 1320920A Co off PC diagnostic adapter cable 1319940 PC diagnostic adapter cable 1319943 O D PC dignostic adapter cable also for upgrade kit (digital timer 1533 or Telestart) 1319503A .

Diagnostics

Heater diagnostic module

Webasto provides a complete set of diagnosis tools to service and repair its heaters. The diagnosis module includes a hardware unit, to the PC solution and various connecting adaptors for each heater model. For more details and the latest diagnosis visit our dealer portal at http://dealers.webasto.com





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Screenshots from Webasto diagnosis software





Cooling solutions

BlueCool Drive

Compressor ret

Isotherm Smar

Cruise Elegance

Drawer refrige

Special refriger

Travelboxes

e 40	72
frigeration for RV	74
rt Energy Control	76
e refrigerators	78
erators	79
ration projects	80
	82

Auxiliary air-conditioner for motorhomes

BlueCool Drive 40

BlueCool Drive 40 – Auxiliary air-conditioner for motorhomes

The BlueCool Drive 40 system was developed specifically for air-conditioning the motorhome's living space while driving. The air-conditioner impresses with 4 kW cooling capacity and is thus one of the most powerful of its kind on the market. The system utilizes partially existing components of the vehicle's own air-conditioning system and is integrated into the cooling circuit of this system.

Uniform cooling of the entire interior space

The use of the vehicle's own air-conditioner and the BlueCool Drive results in the creation of a total cooling system that enables uniform cooling of the entire interior space of the vehicle.

The advantages of the BlueCool Drive 40

- High cooling capacity of up to 4.0 kW
- High-quality and reliable components from automotive serial production
- Low maintenance costs
- Compact construction of the evaporator
- Low system weight of
- less than 7 kg
- Simple performance adjustment via a 3-level blower switch
- Comprehensive scope of delivery

Scopes of delivery



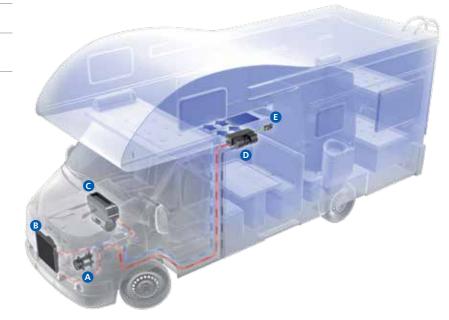
BlueCool Drive 40

Evaporator Refrigerant lines including the connection fittings and insulation

Condensation drain line

Adapter for the vehicle's own air-conditioning system

Blower speed selector along with the connection terminal and installation instructions for the designated vehicle type



How the air-conditioning system functions:

- The air-conditioning system is operated via the running vehicle engine.
- The refrigerant is compressed in the compressor (A) and thereby heated to a high temperature.
- Now under high pressure, the refrigerant is conveyed to the condenser ^B, where it is cooled down and liquefied. In so doing, it gives off heat to the surrounding air.
- Part of the refrigerant is now supplied to the vehicle's own evaporator **G** which also cools the driver's cab.

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
Air flow (m³/h)	450
Dimensions evaporator L x W x H (mm)	390 x 235 x 125
Weight (kg)	6.6
Refrigerant	R134a



Order number

BlueCool Drive 40

621ZS98400A

- The BlueCool Drive 40 system can be installed in all Fiat Ducato Chassis X250, model years from 2007 to today, which are equipped with
- an own air-conditioning system.

- The other part of the refrigerant is conveyed to the newly installed evaporator **D** where the refrigerant evaporates, thereby absorbing heat. This heat is withdrawn from the induced air of the cabin, so that cooled air is blown into the living space of the vehicle.
- The passengers in the living space can now set their own climate comfort via the control element ⁽¹⁾ in which they can choose from blower levels 0, 1, 2 or 3.

Compressor refrigeration for RV



Why compressor fridges for RV?

- 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 (> 35 °C).
- Technology of DC compressors has improved a lot in the past 10 years and offer now very silent, low consuming, high performing compressors for mobile applications.
- Compressor refrigeration is far more energy efficient (> A+) than absorption fridges (most rated energy class F or worse).
- With automatic AC/DC switch capability, it does not make sense anymore to suffer from the inconveniences of absorption fridges, especially in a caravan!

Isotherm: A long history of quality in mobile compressor refrigeration

The international strong reputation of the lsotherm brand comes from the excellence of its products, well renowned for their quality, nice design and power consumption efficiency.

Brand of choice in the marine industry for many years, we are now bringing new products and innovations to the recreational vehicle world.

Only a short selection of fridges is presented in this catalog, but lsotherm also offers a very wide range of standard fridges, drawer fridges, cooling boxes and other refrigeration products. lsotherm is very well known for its capability to develop rapidly special products on customer-specific requirements.

Benefits for RV manufacturers:

- Weight saving application (ex: up to 17 kg vs a 140 liter absorption fridge)
- Space saving application: >10% smaller vs absorption fridge
- High flexibility in locating the unit in vehicle layouts
- Easy "plug and play" installation
- Opportunity to create new designs



Benefits for RV owners:

- High performing fridge/freezer like at home, in all ambient temperatures
- Maintenance-free product
- Low operating costs
- More refrigerated volume in less space
- Quiet operation thanks to secop/danfoss DC compressors

Innovative cooling technology

Isotherm Smart energy Control

A new leap forward in energy saving technology.

With Isotherm Smart Energy Control, Webasto offers the very unique opportunity to dramatically reduce on board power consumption for refrigeration appliances.

Isotherm Smart Energy Control is a simple kit

This 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.

How does it work?

The sophisticated, processor-based Isotherm Smart Energy Control technology achieves significant power consumption savings by continuously scanning a set of key environmental factors to determine, through advanced proprietary algorithms, what is the most relevant compressor speed to maximize the performance/battery drain ratio (COP).



A dedicated air sensor which can continuously measure the cabinet air temperature.

Potentiometer to activate the Isotherm Smart Energy Control mode.

The device not only makes your fridge intelligent but also allows the storage of a significant amount of cold energy into the loaded food and drinks. Isotherm Smart Energy Control reduces the cabinet temperature more than a traditional fridge without freezing the food. This is continuously monitored by an air sensor in the cabinet. The cooling energy is stored when a power surplus is available (engine on or connection to grid) and reused first, before the fridge is running on battery.

Multiple benefits from a simple kit:

- Up to 35% 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
- Easy to retrofit
- Quick cooling in boost mode
- Soft start option to avoid starting surges

Can your fridge be upgraded?

Most Isotherm refrigeration products can be upgraded with Isotherm Smart Energy Control. Please contact Webasto to request application and installation guidelines.









Processor-based module to be connected to the Danfoss/Secop compressor.



Cruise Elegance refrigerators

Drawer refrigerators

		Order number			Order nu	
	CRUISE EL 49		and the second s	DR 49 INOX		
	H = 520, W = 381, D = 450, Volume = 49 l	C049RSAAS11111AA		DC	3049BA2C00	
	 One adjustable shelf Two retainers inside the door 			AC/DC	3049BA7C00	
	 Wo retainers inside the door A separated freezer compartment with a volume of 4 liters Power consumption 265 Wh/24h* Danfoss/Secop compressor type BD35F Isotherm Smart Energy Control ready Silver color; many other customization options available on demand 			H = 520, W = 400, D = 510**, Volume = 49 l, Weight = 24 kg – Power consumption 400 Wh/24 h* – Secop/Danfoss compressor type BD35F		
				DR 49 GLASS		
				white, DC	3049BA2PA	
				white, AC/DC	3049BA7PA	
				blue, DC	3049BA2P	
				blue, AC/DC	3049BA7P	
	CRUISE EL 65			grey, DC	3049BA2P0	
	H = 527, W = 448, D = 480, Volume = 65 l	C065RSAAS11111AA		grey, AC/DC	3049BA7P0	
	– One adjustable shelf			black, DC	3049BA2PE	
he he	 Two retainers inside the door A separated freezer compartment with a volume of 4 liters 			black, AC/DC	3049BA7PE	
	- Power consumption 275 Wh/24h*			ready to be customized, DC	3049BA2P	
	 Danfoss/Secop compressor type BD35F Isotherm Smart Energy Control ready 			ready to be customized, AC/DC	3049BA7P	
				H = 520, W = 400, D = 510**, Volume = 49 l, Weight = 26 kg – Power consumption 400 Wh/24 h* – Secop/Danfoss compressor type BD35F		
				DR 65 INOX		
				AC	3065BA2C	
				AC/DC	3065BA7C	
				AC, frost free	3065BG2C	
	CRUISE EL 85			AC/DC, frost free	3065BG7C	
	H = 620, W = 477, D = 505, Volume = 85 l – Two adjustable shelves – Two retainers inside the door – A separated freezer compartment with a volume of 6 liters	C085RSAAS11111AA	C085RSAAS11111AA		H = 526, W = 470, D = 545, for frost free version = 560**, Volume = 65 l, Weight = 28 kg – Power consumption 470 - frost free versions 320 Wh/24 h* – Secop/Danfoss compressor type BD35F	
	 Power consumption 368 Wh/24h* 			DR 65 GLASS		
	 Danfoss/Secop compressor type BD35F Isotherm Smart Energy Control ready 			white, AC, Weight = 30 kg	3065BG2P	
A Real Property in the second s				white, AC/DC, Weight = 30 kg	3065BG7P	
				blue, DC, Weight = 30 kg	3065BG2F	
				blue, AC/DC, Weight = 30 kg	3065BG7I	
				grey, DC, Weight = 30 kg	3065BG2F	
			and the second se	grey, AC/DC, Weight = 30 kg	3065BG7F	
				black, DC, Weight = 30 kg	3065BG2F	
	CRUISE EL 130			black, AC/DC, Weight = 30 kg	3065BG7P	
	H = 746, W = 528, D = 505, Volume = 130 l	C130RSAAS11111AA		ready to be customized, DC, Weight = 27 kg	3065BA2F	
	– Two adjustable shelves			ready to be customized, AC/DC, Weight = 27 kg	3065BA7F	
	 Three retainers inside the door A separated freezer compartment with a volume of 6 liters 		ner I	ready to be customized, DC, frost free, Weight = 27 kg	3065BG2F	
North Inc.	 Power consumption 418 Wh/24h* 		_	ready to be customized, AC/DC, frost free, Weight = 27 kg	3065BG7F	
TETA MAR	– Danfoss/Secop compressor type BD35F – Isotherm Smart Energy Control ready			H = 526, W = 470, D = 560**, Volume = 65 l, – Power consumption 320 Wh/24 h* – Secop/Danfoss compressor type BD35F		

* Power consumption Wh/24h in operation on 12V with +5°C in the refrigeration space, ambient tempature +25°C according to the Standards ISO 15502:2005 and EN 153:2006



Special refrigeration projects

Isotherm compressor fridge solutions for RV manufacturers of any size

The brand Isotherm is well known in the worldwide marine market for high quality compressor fridge solutions. Webasto now offers these proven solutions especially to motorhome and caravan manufacturers of all nations. The combination of performance, size and fridge volume make the compressor fridge not only interesting for motorhome enthusiasts but also to caravan users.

Webasto's intention to provide sophisticated Isotherm compressor fridges is to offer solutions which haven't been seen by the RV market yet. Especially drawer fridges do offer a variety of advantages. Besides its posh look the fridge is easy accessible and ideally located directly below the kitchen work top.

It allows very easy storage and handling from the top without having to dig into the depth of shelves of conventional door type fridges. Also due to the product design, cold air won't just fall out of the fridge as it does with normal fridges – it will stay in the bottom drawer which saves additional energy.

Compressor fridges do also offer the possibility to change the product design completely which means further innovation possibilities for RV manufacturers.

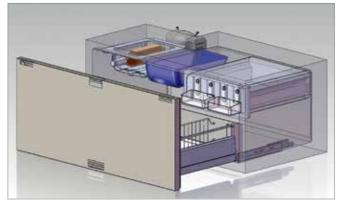
Product highlights

Isotherm compressor fridge solutions offer several features not only to manufacturers.

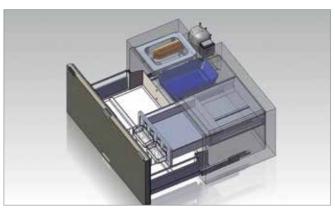
- Use of the worldwide only compressor verified for the automotive industry: Secop (former Danfoss)
- Low noise level
- No maintenance
- Impressive efficiency (A+/A++)
- Ventilation position of door
- Low weight
- Easy installation
- No grilles and ventilation outlet on the outer wall of the vehicle

XL Freeze: one example of freedom in layout and design

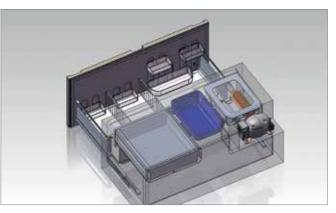
Since the compressor can be mounted separately, the fridge cabinet itself can have any form. Also the fridge can be placed anywhere since there is no need of grills or chimneys on the outside of the vehicle.



The door can be customized with a front panel chosen by the customer.



The design of the fridge offers an easy overview of the fridge's contents.



The cabinets inside the fridge can be adjusted to the needs of the customer.



Freedom in layout and design.



Travelboxes

Your reliable cooling partner for the daily use!

Webasto introduces a completely new range of travelboxes. Isotherm travelboxes provide the perfect solution to carry fresh drinks and food whether on tour or at the beach thanks to their compact dimensions, their light design and their robustness. All models can be used as fridge or freezer and cover a large range of size and volume to match virtually every demand.

Wide range of high performing and

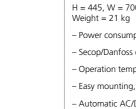
high quality travelboxes:

- Volume range from 15 up to 50 litres with maximum interior capacities
- Internal operation temperature from +5 °C to -18 °C
- New sturdy injection moulded lid with integrated closing system
- Reliability: Secop/Danfoss compressor and universal AC/DC electronic unit
- Light and compact design for outdoor conditions

		Order number
	TB 15 DC	
	DC12/24 Volt 15 Liters, Volume = 15 l, H = 360, W = 235, D = 565, Weight = 8,2 kg	2015BD1000000
	 Equipped with new BD micro compressor, the smallest and lightest DC unit on the market 	
	- Internal LED light Electronic thermostat with easy to use display	
	– ECO / Max Function	
	- Power consumption150 (fridge use) / 480 (freezer use) Wh/24h*	
	– Operation temperature +10 to -18° C	
	– Adjustable shoulder strap	
	TB 18 DC	
	DC12/24 Volt, Volume = 18 l, H = 405, W= 235, H = 565 mm, Weight = 8.6 kg	2018BD1000000
and the second s	 Equipped with new BD micro compressor, the smallest and lightest DC unit on the market 	
	- Internal LED light Electronic thermostat with easy to use display	
	– ECO / Max Function	
	- Power consumption 150 (fridge use) / 600 (freezer use) Wh/24h*	
	– Operation temperature +10 to -18° C	
	– Adjustable shoulder strap	
		1









- Automatic AC/I – Pull out inner b

* Power consumption Wh/24 h in operation at 12 V with +5° C in the refrigeration space, ambient temperature +25° C according to the Standards ISO 15502:2005 and EN 153:2006 Second value on power consumption refers to use as a freezer.

* Power consumption Wh/24 h in operation at 12 V with +5° C in the refrigeration space, ambient temperature +25° C according to the Standards ISO 15502:2005 and EN 153:2006 Second value on power consumption refers to use as a freezer.



Order number

TB 31 AC/DC	
H = 380, W = 585, D = 350, Volume = 30 l, Weight = 18 kg	2031BD7000000
– Power consumption 220 – 740 Wh/24 h*	
- Secop/Danfoss compressor type BD35F	
– Operation temperature +5 to -18° C	
- Easy mounting, strong soft touch carrying handles	
- Automatic AC/DC switching	
TB 41 AC/DC	
H = 445, W = 700, D = 350, Volume = 40 l, Weight = 21 kg	2041BD7000000
– Power consumption 225 – 790 Wh/24 h*	
- Secop/Danfoss compressor type BD35F	
– Operation temperature +5 to -18° C	
- Easy mounting, strong soft touch carrying handles	
- Automatic AC/DC switching	
– Pull out inner basket for easy access	
TB 51 AC/DC	
H = 530, W = 700, D = 350, Volume = 50 l, Weight = 23 kg (gross), 18.5 kg (net)	TB051NN781AW
– Power consumption 230 – 770 Wh/24 h*	
- Secop/Danfoss compressor type BD35F	
– Operation temperature +5 to -18° C	
- Easy mounting, strong soft touch carrying handles	
- Automatic AC/DC switching	
– Pull out inner basket for easy access	



Cooking solution

Application co

Advantages

Diesel Cooker

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Cooking Solution

Diesel cooker

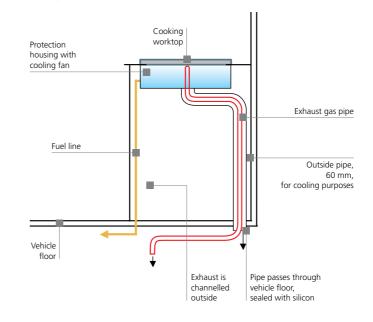
Application concept

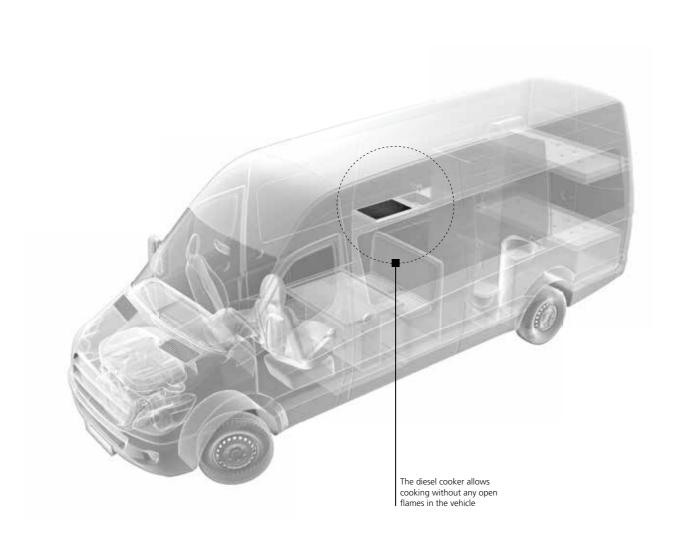
Diesel cooker

Advantages

The advantages of Webasto diesel cookers

- One-flame cooker with a diesel burner as heat source
- Key enabler of autonomous gas free camping
- Robust, high quality CERAN[®] cooking surface
- Easy to use and to clean
- Low current and fuel consumption
- Altitude function for optimal use in mountains
- Hot plate indication light
- Diesel-fueled, directly fed from the tank
- Easy installation thanks to compact size





How the diesel cooker works

The heat generated by the fuel combustion process is transferred to the ceramic panel, and the exhaust gases directed out of the vehicle through an exhaust gas line inside the cooling air line. The vapour content of the exhaust gases therefore do not give rise to greater humidity in the vehicle. The diesel cooker's heat output is continuously adjustable. In addition a cooling fan in the ventilation box ensures that the temperature does not reach a critical limit in the installation area. Hot air is drawn off through the cooling air line.

Diesel cooker

Diesel Cooker X 100

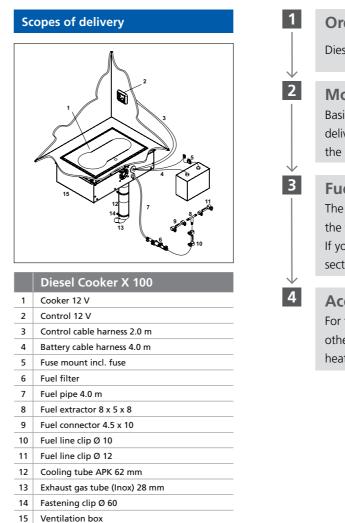
Diesel Cooker X 100 – Freedom and autonomy

The Webasto Diesel Cooker X 100 is the perfect solution for independent travellers and individuals who intend to have only one fuel on board.

The cooker is operated via a diesel burner which is sourced with fuel out of the vehicle's tank. Warm air, combustion and smells are fed directly outside. The robust, high quality CERAN[®] cooking field provides two cooking plates: One for cooking andone for heating up food as well as maintaining warmth. Thanks to its compact dimensions and flat design, the Webasto Diesel Cooker fits even in the smallest kitchen. Another advantage of the CERAN® cooking plate: It can be cleaned easily.

Product highlights

- Robust, high quality CERAN[®] cooking surface
- Easy to use and to clean
- Low current and fuel consumption
- Hot plate indication light
- Full functionality at high altitudes
- Very silent operation



Technical specifications

	Diesel Cooker X 100
Cooking power (kW)	0.9 – 1.9
Power consumption (A)	0.3 (max. at start-up approx. 8 A for 4 min.)
Fuel	Diesel
Fuel consumption (I/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 waste air nozzle)
Weight (kg)	8 (hot plate) 1.5 (casing)

Order number

Diesel Cooker X 100

WA90000B

Mounting parts (optional)

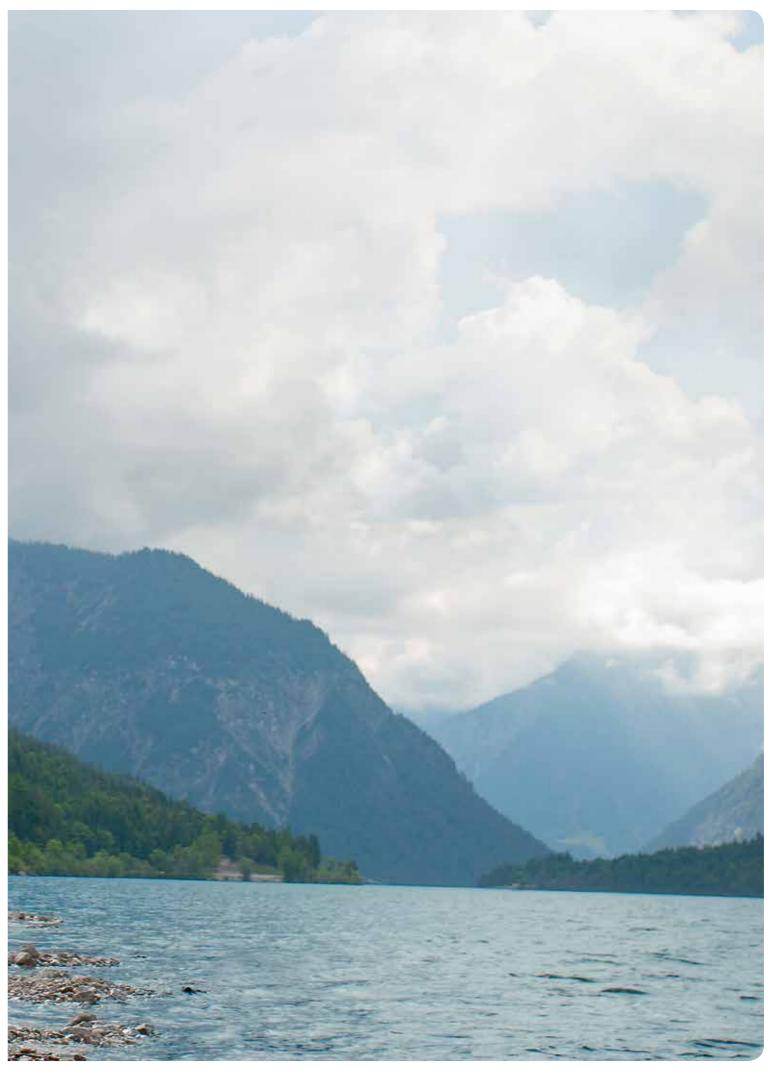
Basic mounting parts are already included in the scope of delivery. If you need any special parts please refer to the mounting parts section.

Fuel extractor

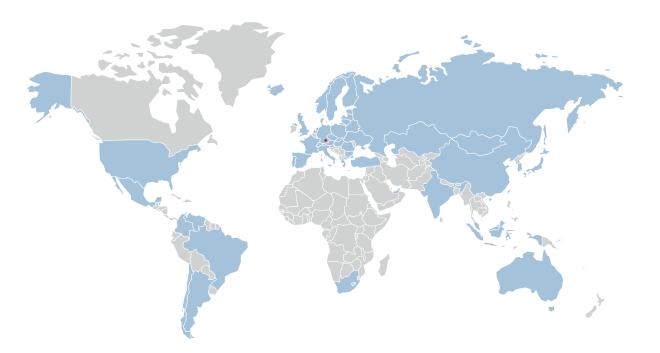
The connection of the cooker to the fuel system depends on the vehicle. A basic fuel extractor is part of the delivery scope. If you need any additional parts, please refer to the fuel section for more information.

Accessories (optional)

For the extensions of your diesel cooking system you can find other installation and system components in the separate heating accessories catalog.







For more than 75 years, the Webasto SE has continued to set new technological standards – in both the original equipment sector and the aftermarket. As 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 highquality products, installation standards and services worldwide.

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