

Recreational Vehicles Catalog

Space and Weight Saving Solutions from Webasto



2022/2023



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Note: Not all products are available in each country.



Dear Customers and Partners!

Develop intelligent products around the Webasto advanced core technologies and integrate them into complete and innovative comfort solutions for every recreational vehicle: this is the vision we have been aiming at for years and which is still the base of our product roadmaps today.

Since the RV market is going more and more towards more compact vehicles and the coming stricter EU regulations will limit further the payload, Webasto solutions are getting even more attractive as they can contribute quite significantly to the reduction of weight and to save space in the inner cabin.

Looking back, we are proud to have been the first supplier to introduce diesel technology into the RV market more than 15 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. Our gas-free solutions or hybrid solutions (cabin air heating with diesel + water heating on gas)

both bring outstanding savings when it comes to weight (less gas on board) and inner space (smaller gas tanks, underfloor mounting of our products).

More recently, we highlighted the benefits of new, ultra silent and high performance refrigeration compressor technology for our customers. As a result, for example, happy caravan owners enjoy large innovative drawer fridges and the pleasure of having ice or cold drinks even in extremely hot climate conditions. This year, we are introducing new products with unique, interesting characteristics for the RV industry.

With both Freeline 115 Elegance and Freeline Slim 140 and their Isotherm Intelligent Temperature Control Device, Webasto brings two low e-consumer products which improve noticeably the electrical efficiency and the autonomy of compressor refrigeration. Having the space constraints of compact vehicles in mind, Webasto offers some special shaped products like BI16 and BI30 to provide high performance refrigeration to small vans.

Our continuous commitment in the development of new technologies drives us, bringing new ideas and keeping all of our customers satisfied.

Air-conditioning is one of the core competences at Webasto. With the BlueCool Drive 40, we bring a powerful air-conditioning product which provides also cold air to the rear passengers while driving.

As of this year we are offering an updated by CTT28 range of robust, powerful but still lightweight rooftop air conditioners which provide perfect climate even in the hottest outside 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 catalog 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.**

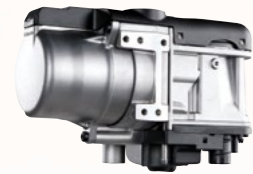
Your Webasto RV Team

Welcome to Webasto RV

Whats New?

This catalog provides you with detailed information on our core products as well as our added-value accessories for the RV market. You can then build safe applications and deliver fast and professional assistance to your customers. Here you can find an extract of our latest product innovations:

Thermo Top Evo RV Classic



- New generation Thermo Top Evo
- Now available with 1.8 kW minimal heating power

Cool Top Trail 28



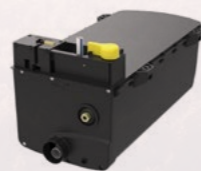
- Powerful units with high cooling and heating capacity
- Robust, lightweight and low noise
- Wide operating range from -5 to 50°C

Hybrid 3



- Heat output 2 kW (Air Top 2000 STC) + 1,35 kW (Expanse water heater)
- Space-saving air distribution with only 60 mm diameter available for compact vehicles
- Water heater available as Gas only or Gas Electric version

Expanse



- Water heater with LIN control
- More space onboard (underfloor installation possible)
- Gas and electric power options
- Fast heat up and reheat
- KTW certification available for all water heaters

Cruise Silver Fridge



- Spacious two door fridge-freezer ideal for big campervans
- Model CR225 offers 183 liters fridge and 42 liters freezer
- Model CR280 offers 238 liters fridge and 42 liters

AC/DC Converter



- Power Pack available in four different versions of plug:
 - EU
 - UK
 - USA
 - AUS/NZ



We Are Here to Develop Your Business



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



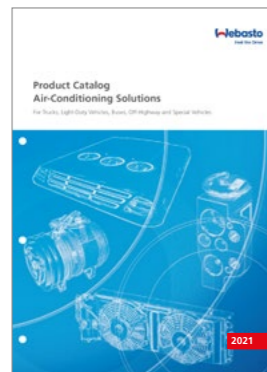
Website: webasto-outdoors.com

- 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
- Specialized trainings can be organized on demand



Marketing documentation and materials

- Product brochures, flyers, banners
- Dealer packages
- Point of Sale material

A Complete New Set of Catalogs to Support Your Sales



RV product catalog

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



Product catalog for heating solutions, incl. accessories

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

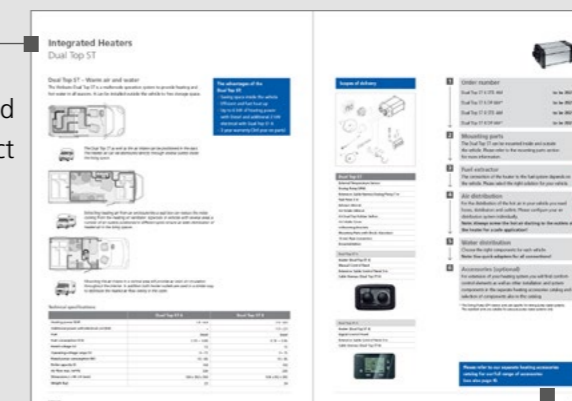


Whale heating and water system products

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

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.



Colored highlights give you direct access to the product range.

All accessories can be found in the separate heating catalog.

Enjoy Comfort, Enjoy Independence

In All Seasons and Under All Weather Conditions

Since the very start of our activities 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 motor-homes 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 high-performing 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.



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.



Award Winning Products

We are very grateful for the confidence our customers place in our products by voting our heating solutions as 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 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

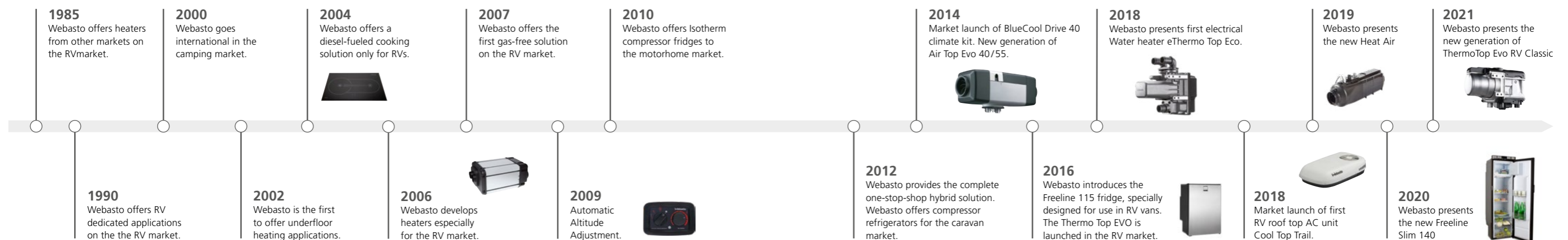
- In winter in average 90% of the gas carried with the RV is needed for heating. With Webasto products you can downsize your gas stock to one single 5 kg bottle and gain up to 35 kg for additional load inside the vehicle.

Perfect climate on board

- Thanks to the stepless power regulation (unique feature on the market). Webasto heaters manage to maintain a stable cabin temperature with a hysteresis lower than 0.40°C. This creates greater passenger comfort.

Increased fuel autonomy

- Diesel fuel is standardized worldwide and almost everywhere available even in the most remote places
- Precise monitoring of fuel supplies via fuel-gauge possible
- No extensive procurement of gas bottles in foreign countries necessary
- No adapter for foreign 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





Heating Products

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Introduction to Autonomous Camping

Innovative Technology for More Freedom – Heating 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 motor-home 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 almost 90 %. You can get diesel fuel anywhere whereas finding proper 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 gas bottles leads to an increase of payload
- Less hassle to find supplies in foreign countries
- Reduced physical handling of heavy gas bottles (2 x 11 kg gas bottles can weigh up to 54 kg)
- Heating whilst driving without any further expenses
- Thus, enjoying a warm cabin from the very first minute 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, light-duty vehicle, off-highway, special vehicle, rail, bus, defense, recreational vehicle 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.

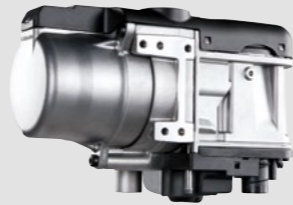
Which Heater for Which Application?

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 compartment

Which heating product fits your demands?

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

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

RV-Specific Demands Require RV-Specific Heater Scopes of Delivery

Why should I choose an 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:

1 Easier to handle RV scopes of delivery

- 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

2 Very low noise applications

- Noise reduction accessories that sum up to a no noise kit like:
 - Specific RV fuel pumps: Operate at a very low noise level
 - Exhaust, combustion and heating air silencers reduce significantly noise emissions, ensuring peaceful nights for users and their neighbours

3 Differences to Webasto heaters 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 user

4 External cabin temperature sensor is obligatory for RV applications

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

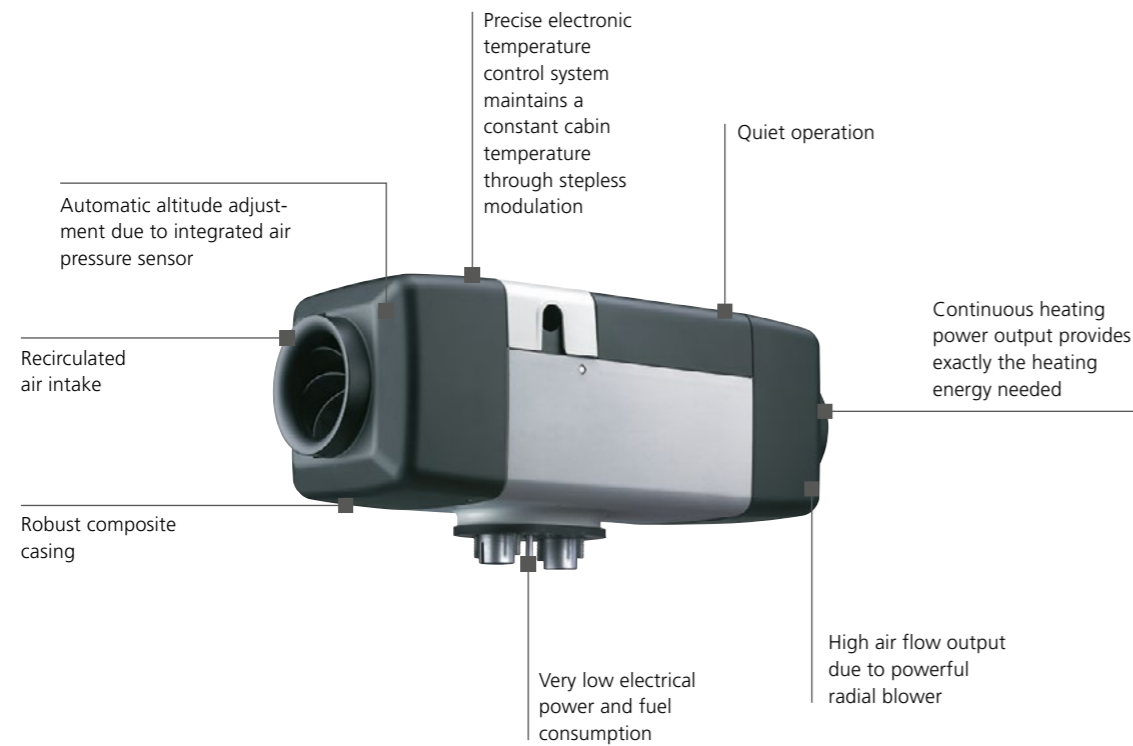
- Target temperature inside is reached more accurately
- Using the external cabin temperature sensor triggers the heater to stop the blower in stand-by mode
- In addition, the power consumption is reduced significantly

5 Suitable for operation in high altitudes

- Integrated altitude sensor in Air Top Evo heaters guarantees optimum heat output at high altitudes
- The MultiControl user interface allows to select an altitude operating mode for the Air Top 2000 STC

Air Heaters

Air Top Evo: Perfect heat even in high altitudes!



MultiControl:

The MultiControl sets standards in terms of its modern design and user-friendliness that allows fast and intuitive operation. It includes features like an immediate start button, the ventilation function and fault code display. You can program up to three start times per day for your heater which allows the best individual comfort.



ThermoConnect TCon2:

Our app lets you control your water and/or air heater smarter and more flexibly than ever before. Available for iOS and Android devices. Alexa Skill myWebasto available for Alexa capable devices.

Air Heaters



■ Air Top 2000 STC

See page 22



■ Air Top Evo 40

See page 24



■ Air Top Evo 55

See page 26

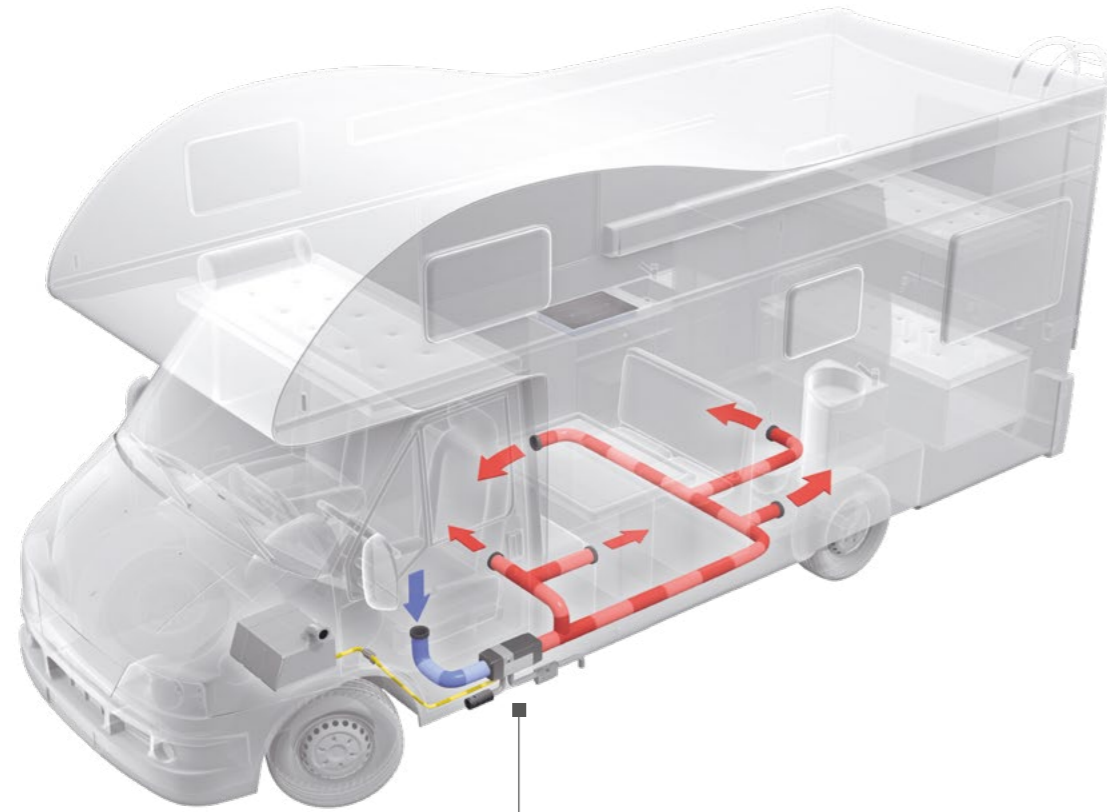
Technical specifications

	Air Top 2000 STC		Air Top Evo 40	Air Top Evo 55
Heat power (kW)	0.9 – 2.0	1.0 – 2.0	1.5 – 3.5/4.0*	1.5 – 5.0/5.5*
Fuel	Diesel	Gasoline	Diesel	Diesel
Fuel consumption (l/h)	0.12 – 0.24	0.14 – 0.27	0.18 – 0.43/0.49*	0.18 – 0.61/0.67*
Rated voltage (V)	12	12	12	12
Rated power consumption (W)	15 – 30	15 – 30	15 – 40/55*	15 – 95/130*
Air flow against 0.5 mbar (m³/h)	93	93	132/140*	200/220*
Dimensions L x W x H (mm)	310 x 120 x 118	310 x 120 x 118	423 x 148 x 162	423 x 148 x 162
Weight (kg)	2.6	2.6	5.9	5.9

* Increased heat output („Boost“) possible for max. 6 hrs (Air Top Evo 40) or 30 min. (Air Top Evo 55).

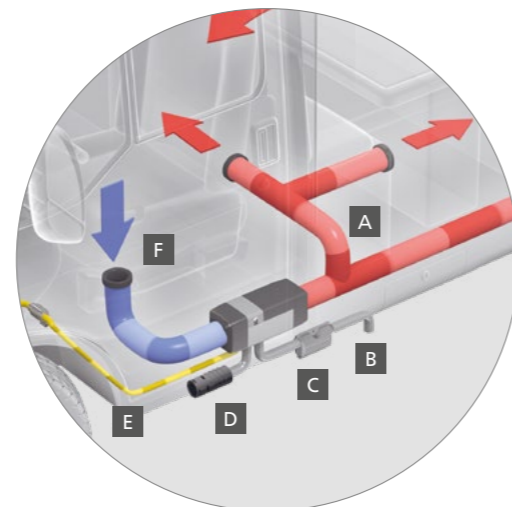
Air Heaters

Application Concept



Air heater can be installed inside or underneath the vehicle

- A** Hot air outlet: Hot air is distributed through a ducting system
- B** Exhaust pipe
- C** Silencer
- D** Combustion air intake
- E** Fuel supply leads to the vehicle fuel tank or fuel return line
- F** Fresh air intake



Air Heaters

Advantages

The advantages of Webasto air heaters

- Optimum heat output at high altitudes thanks to altitude sensor (Evo range) and altitude mode integrated in MultiControl
- 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



How Webasto air heaters work

When the unit is switched on, the fuel 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, 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.

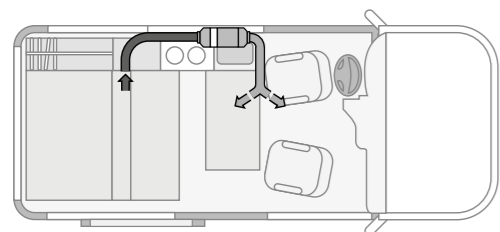
Air Heaters

Air Top 2000 STC

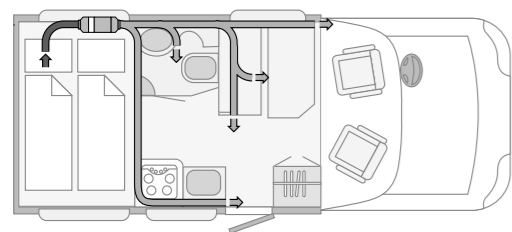


Air Top 2000 STC – quiet comfort

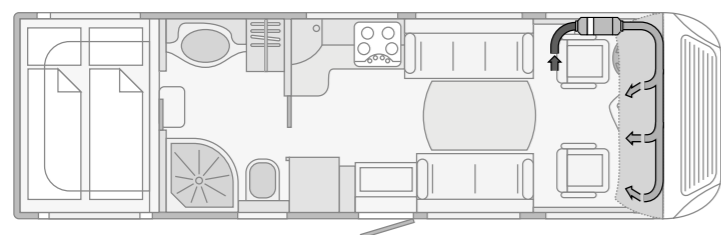
The quiet heater – the smallest air heater on the market. It offers excellent heat output and optimal economy.



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 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 STC 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 STC	
	Diesel	Gasoline
Heating power (kW)	0.9 – 2.0	1.0 – 2.0
Fuels	Diesel DIN EN 590, B100 Fame DIN EN 14214*, Paraffinic fuel (HVO/GTL) DIN EN 15940	E0-E10 EN 228
Fuel consumption (l/h)	0.12 – 0.24	0.14 – 0.27
Rated voltage (V)	12	12
Rated power consumption (W)	15 – 30	15 – 30
Air flow against 0.5 mbar (m³/h)	93	93
Dimensions L x W x H (mm)	310 x 120 x 118	310 x 120 x 118
Weight (kg)	2.6	2.6

* Recommendation: max. one season only due to aging of the fuel.

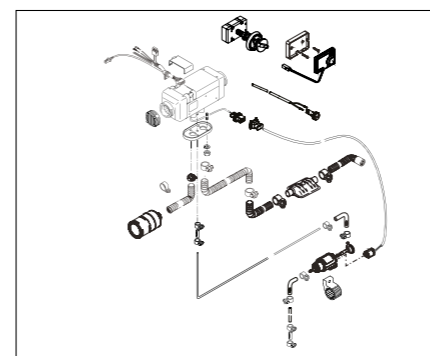
The advantages of the Air Top 2000 STC

- Short heating-up times thanks to effective output
- Low operating costs
- Available as a complete installation kit for quick and simple retrofitting
- Very compact dimensions
- Silent fuel pump DP42.4 as standard

The comfort scope of delivery has the following additional advantages:

- MultiControl user interface is already included
- Altitude adjustment up to 2,200 m possible
- Additional functions like ventilation mode and timer included
- Even more silent

Scopes of delivery



Air Top 2000 STC

- MAM* heater
- External temperature sensor
- Extension fuel pump cable harness 7 m
- Fuel hose 5 m
- Fuel pump DP42.4
- Mounting parts
- Documentation

Standard scope of delivery (1)

- Cable harness
- Small air intake silencer with hose 40 cm
- Flexible exhaust tube 60 cm
- Rotary selector switch
- Standard exhaust silencer



Comfort scope of delivery (2)

- Cable harness
- Big air intake silencer with hose 40 cm
- Flexible exhaust tube 80 cm
- MultiControl RV/MAR ATE with altitude mode
- Thermo Top exhaust silencer



* Manual altitude mode.

1

Order number

Air Top 2000 STC D 12 V RV Standard	9032154D
Air Top 2000 STC D 12 V RV Comfort	9032155D
Air Top 2000 STC P 12 V RV Standard	9037572B
Air Top 2000 STC P 12 V RV Comfort	9037573B

2

Mounting parts

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

3

Fuel extractor

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

4

Air distribution

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

5

Accessories (optional)

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

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

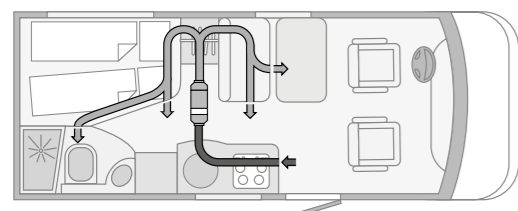
Air Heaters

Air Top Evo 40

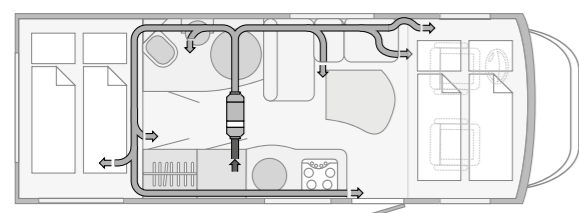


Air Top Evo 40 – efficient & silent

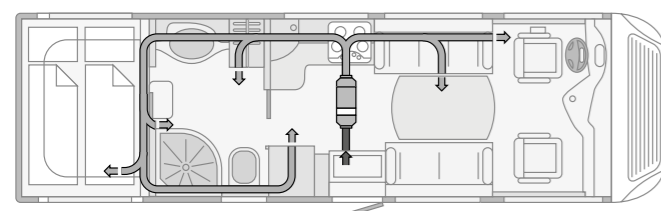
High-output, compact, quiet and up to 2,200 m altitude capability, the heater is ideally suited for the most rigorous requirements. For higher altitude requirements a heater up to 5,500 m altitude capability is available. It can be upgraded with the MultiControl panel to offer additional operation modes 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 40
Heating power, control range/boost (kW)	1.5 – 3.5/4.0*
Fuels	Diesel DIN EN 590, B100 Fame DIN EN 14214**, Paraffinic fuel (HVO/GTL) DIN EN 15940
Fuel consumption, control range/boost (l/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

* Increased heat output ("Boost") possible for max. 6 hours. ** Recommendation: max. one season only due to aging of the fuel.

The advantages of the Air Top Evo 40

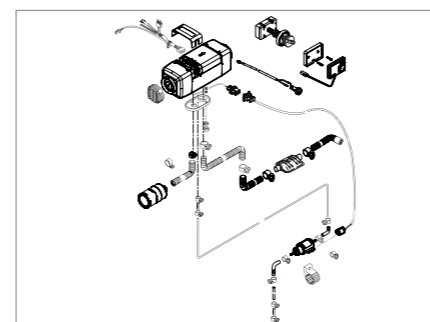
- Up to 4.0 kW heat output
- Very low electrical power consumption thanks to Intelligent Blower Control
- Very silent operation thanks to low blower speed and silent fuel pump DP42.4
- Flame detection through exhaust gas temperature sensor
- Automatic altitude adjustment up to 2,200 m as a standard
- Additional available automatic high altitude adjustment up to 5,500 m
- Automatic cold start function for quick warm-up

What is the Intelligent Blower Control?

Thanks to the control of several parameters, the heating regulation can optimize the heating output and the blower speed, resulting in:

- Low electrical consumption and low noise in regular operation (lower motor speed but same heat output)
- High heat output availability for applications with higher back pressure

Scopes of delivery



Air Top Evo 40

- Heater with (pressure) altitude sensor
- RV cable harness with integrated DP42.4 cable
- External temperature sensor 2.5 m
- Fuel hose 5 m
- Air Intake silencer Air Top Evo
- Fuel pump DP 42.4
- Exhaust silencer
- Mounting parts
- Documentation

Standard scope of delivery

- Rotary selector switch
- Flexible air intake tube 30 cm
- Extension cable harness fuel pump 3 m
- Flexible exhaust tube 80 cm



Comfort Scope of delivery

- MultiControl RV/MAR ATE
- Flexible air intake tube 50 cm
- Extension cable harness fuel pump 5 m
- Flexible exhaust tube 1.1 m



1

Order number

- Air Top Evo 40 D 12 V RV Standard **9029235C**
- Air Top Evo 40 D 12 V RV Comfort **9029236D**
- Air Top Evo 40 D 12 V HA RV Comfort **9038982B**

HA = suitable for very high altitudes of up to 5,500 m
Non HA = suitable for altitudes of up to 2,200 m

2

Mounting parts

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3

Fuel extractor

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4

Air distribution

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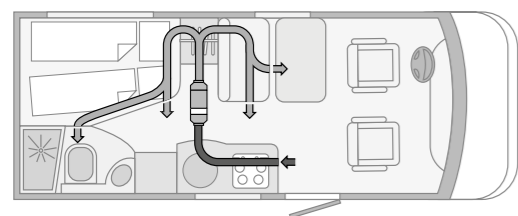
Air Heaters

Air Top Evo 55

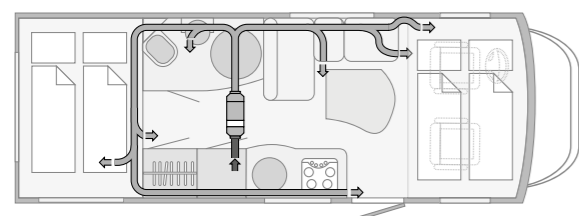


Air Top Evo 55 – efficient & silent for extreme conditions

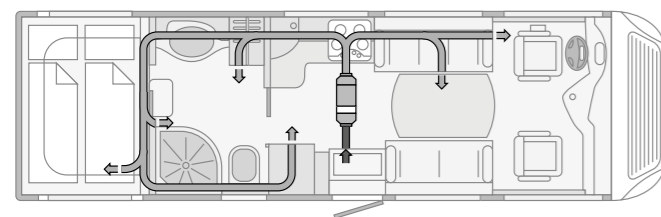
Extremely powerful, compact and quiet, this heater ensures a comfortable climate for larger motorhomes even under the harshest conditions and satisfies the most demanding requirements. It can be upgraded with the MultiControl panel to offer additional operation modes depending on individual heating requirements.



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, control range/boost (kW)	1.5 – 5.0/5.5*
Fuels	Diesel DIN EN 590, B100 Fame DIN EN 14214**, Paraffinic fuel (HVO/GTL) DIN EN 15940
Fuel consumption, control range/boost (l/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

* Increased heat output ("Boost") possible for max. 30 min. ** Recommendation: max. one season only due to aging of the fuel.

The advantages of the Air Top Evo 55

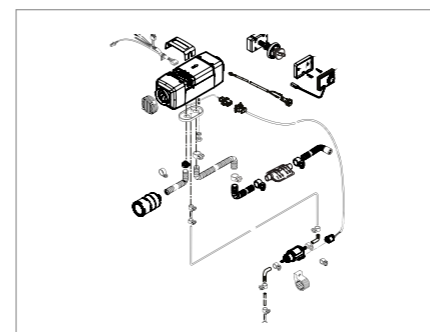
- Up to 5.5 kW heat output
- Very low electrical power consumption thanks to Intelligent Blower Control
- Very silent operation thanks to low blower speed and silent fuel pump DP42.4
- Flame detection through exhaust gas temperature sensor
- Automatic altitude adjustment up to 2,200 m as standard
- Automatic cold start function for quick warm-up
- Compatible with MultiControl digital control panel

What is the Intelligent Blower Control?

Thanks to the control of several parameters, the heating regulation can optimize the heating output and the blower speed, resulting in:

- Low electrical consumption and low noise in regular operation (lower motor speed but same heat output)
- High heat output availability for applications with higher backpressure

Scopes of delivery



Air Top Evo 55

- Heater with (pressure) altitude sensor
- RV cable harness with integrated DP42.4 cable
- External temperature sensor 2.5 m
- Fuel hose 5 m
- Air-intake silencer Air Top Evo
- Exhaust silencer
- Fuel pump DP42.4
- Mounting parts
- Documentation

Standard scope of delivery

- Rotary selector switch
- Flexible air intake tube 30 cm
- Extension cable harness fuel pump 3 m
- Flexible exhaust tube 80 cm



Comfort scope of delivery

- MultiControl RV/MAR ATE
- Flexible air intake tube 50 cm
- Extension cable harness fuel pump 5 m
- Flexible exhaust tube 1.1 m



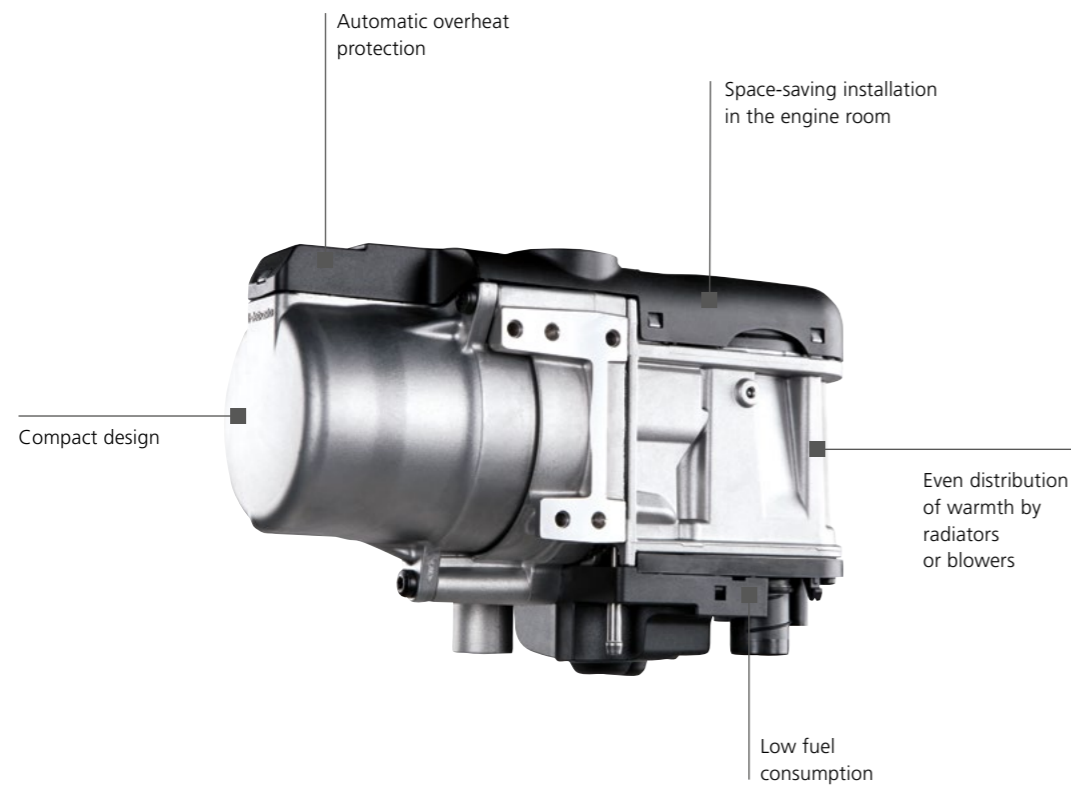
- Order number**
Air Top Evo 55 D 12 V RV Standard **9029244C**
Air Top Evo 55 D 12 V RV Comfort **9029245D**
- Mounting parts**
For best mounting of each heater, please refer to our dedicated mounting accessories.
- Fuel extractor**
The connection of the heater to the fuel system depends on the vehicle. Please select the right solution for your 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 comfort control elements as well as other installation and system components in the separate heating catalog and a selection of components also in this catalog.

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

Water Heaters

Thermo Top Evo:

The popular parking heater adapted to RV needs



MultiControl:

The MultiControl sets standards in terms of its modern design and user-friendliness that allows fast and intuitive operation. It includes features like an immediate start button, the ventilation function and fault code display. You can program up to three start times per day for your heater which allows the best individual comfort.



ThermoConnect TCon2:

Our app lets you control your water and/or air heater smarter and more flexibly than ever before. Available for iOS and Android devices. Alexa Skill myWebasto available for Alexa capable devices.

Water Heaters



■ Thermo Top Evo

See page 32 ▶



■ eThermo Top Eco

See page 34 ▶



■ Thermo Pro 90

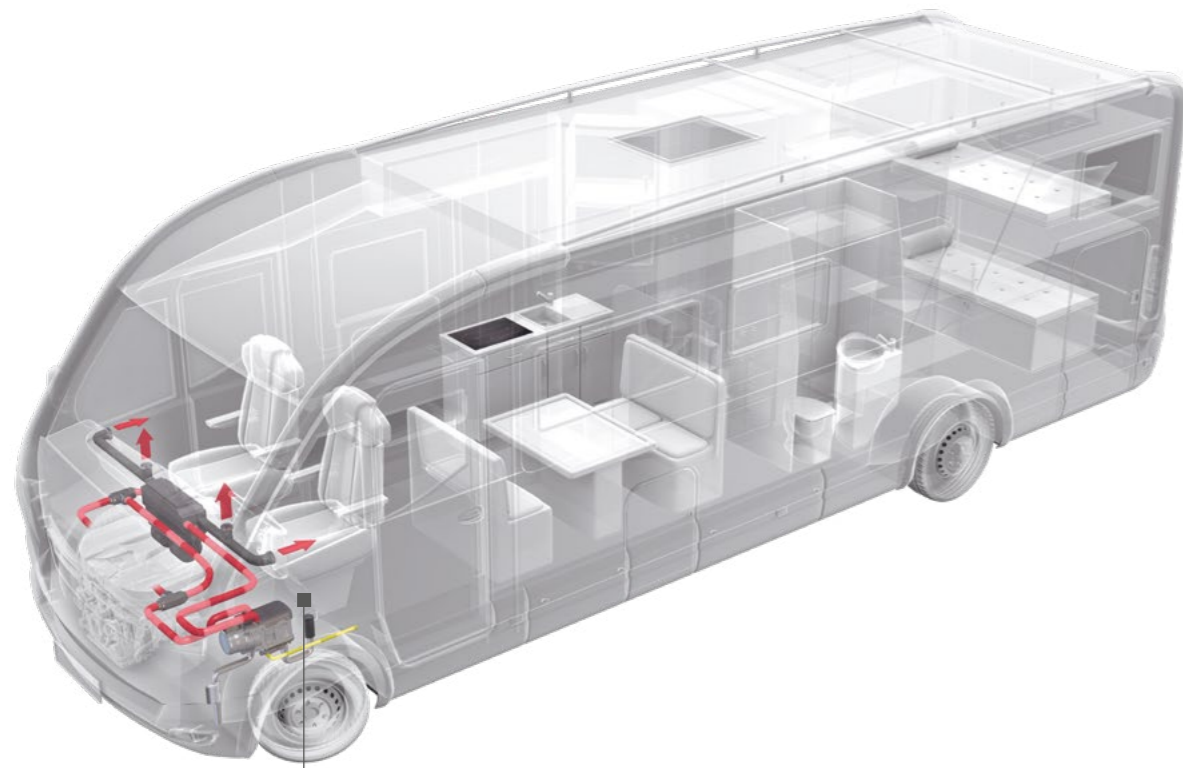
See page 36 ▶

Technical specifications

	Thermo Top Evo	Thermo Pro 90	eThermo Top Eco
Heating power (kW)	1.8 – 5.0	1.8 – 7.6/9.1	2.0/3.0
Fuel	Diesel	Diesel	230 V ~
Fuel consumption (l/h)	0.22 – 0.62	0.15 – 0.9/1.1	–
Rated voltage (V)	12	12	12 – 14
Operating voltage range (V)	11 – 16.5	10.5 – 16	220 – 230
Rated power consumption (W)	10 – 33	37 – 83/90	–
Dimensions L x W x H (mm)	218 x 91 x 147	385 x 139 x 219	181 x 91 x 133
Weight (kg)	2.1	4.9	1.2

Water Heaters

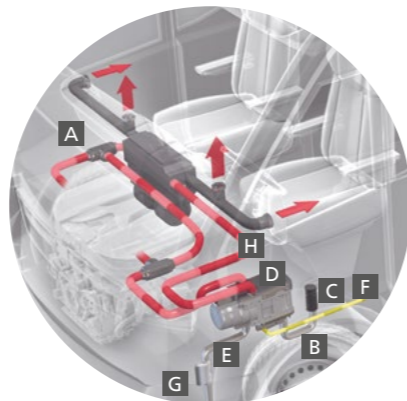
Application Concept



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

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

- A Check valve
- B Combustion air intake
- C Intake silencer
- D Water pump and water inlet
- E Exhaust pipe
- F Fuel pipe to vehicle fuel tank or to fuel return pipe
- G Exhaust silencer
- H Hot water outlet



Water Heaters

Advantages

The advantages of a Webasto water heater

- Supply of warmth via the air outlets in the dash board (Thermo Top Evo)
- Cabin heating and optional pre-heating of the engine
- Heating power from 2 kW up to 9 kW
- Less emissions due to engine pre-heating
- Very fast heat-up phase
- Quiet-running, low noise operation
- Diesel-operated, directly fed from the vehicle tank or electrically driven via 230 V power socket

How Webasto water heaters work

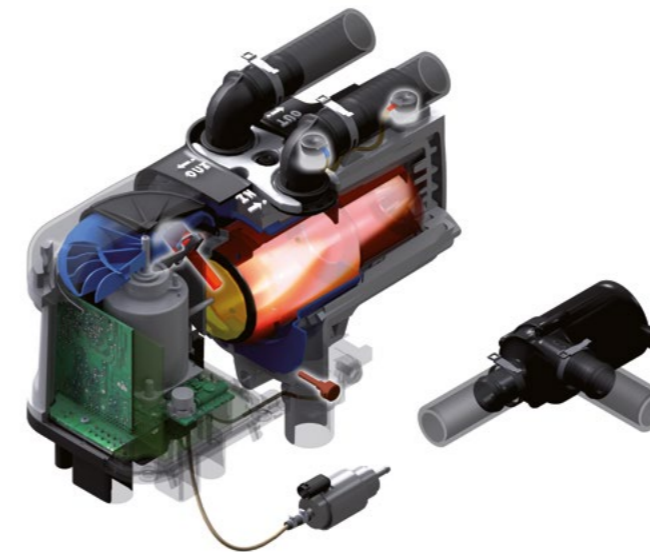
When the unit is switched on, the fuel pump feeds fuel from the vehicle fuel tank to the heater. Here the fuel is automatically ignited by a glow plug. If combustion does not occur immediately, the unit automatically repeats the start-up procedure. A flame is ignited in the combustion chamber which heats up the heat and the coolant exchanger. The unit takes air 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.



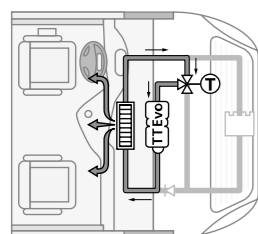
Water Heaters

Thermo Top Evo

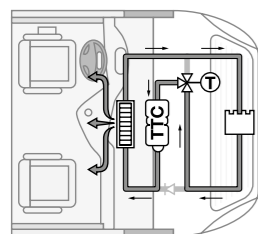


Thermo Top Evo RV Classic

The Thermo Top Evo is 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 Thermo Top Evo preheats automatically the cabin and the motor:
First, the hot water circulates in the vehicle's water circuit, thus heating up the cabin. All available heat is transferred via the vehicles' blower system to the driver's cabin.



When the cabin is warm enough, the thermostat valve opens and the engine is also heated up by the hot water. The effect can even be increased by reducing the blower speed at the air outlets to a minimum.

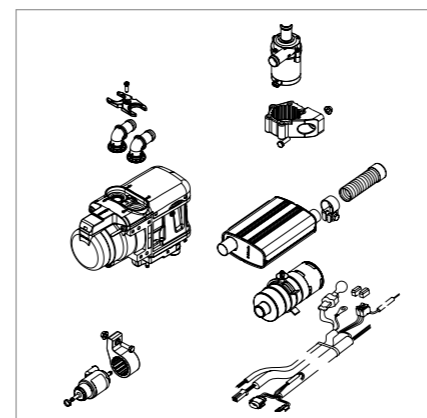
The advantages of the Thermo Top Evo

- Smallest heater on the market
- More comfort in the front of the vehicle thanks to warmth supplied via the air outlets in the dashboard
- Operated by the MultiControl
- Very fast heat-up phase
- Low noise

What is the new generation about?

- Stepless heating power adjustment between 1.8 and 5 kW
- Less start-stops
- Exhaust temperature control for optimized environmental conditions
- Mainswitch with blinking code (analog control)

Basic scope of delivery and basic installation kit



Thermo Top Evo RV Classic

Basic scope of delivery

- Heater (Thermo Top Evo RV Classic)
- Coolant pump 4847 Econ with bracket
- Fuel pump DP42.4 with bracket
- Mounting parts water
- Documentation

Basic installation kit

- Exhaust silencer
- Wiring harness heater
- Wiring harness relay fuse holder
- Mounting parts exhaust
- Combustion air silencer
- Wiring harness coolant pump 0.6 m

Vehicle specific parts

See available specific installation kits

Technical specifications

	Thermo Top Evo
Heating power (kW)	1.8 – 5.0
Fuels	Diesel DIN EN 590, Paraffinic fuel (HVO/GTL) DIN EN 15940
Fuel consumption (l/h)	0.22 – 0.62
Rated voltage (V)	12
Operating voltage range (V)	11 – 16.5
Rated power consumption (W)	10 – 33
Dimensions L x W x H (mm)	218 x 91 x 147
Weight (kg)	2.1

1

Basic heater scope of delivery
Thermo Top Evo D 12 V RV Classic **9042116A**

2

Basic installation kit
Basic installation kit
Thermo Top Evo RV Classic **9042120A**

3

Specific installation kits
In order to perform a complete application, a vehicle specific installation kit is recommended in addition to the Basic scope of delivery and Basic installation kit.

Thermo Top Evo Fiat Ducato MC MY17 (covers engines 2,3 JTD 96KW and 109 kW AAC and AC manual) **1325657A**

Thermo Top Evo Iveco Daily MC MY17 **1326237B**

Thermo Top Evo Additional Kit ACC Fiat Ducato MC MY17 **1325954A**

For the latest list of available vehicle specific installation kits please contact your Webasto Service Center.

4

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

5

Mounting parts
Are included in specific kits or are available as separate accessories. To identify the necessary parts please contact your Webasto Service Center.

6

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 catalog as well as in this catalog.

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

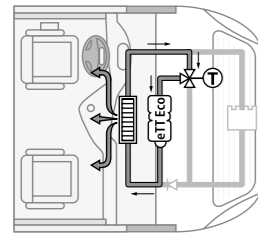
Water Heaters

eThermo Top Eco



eThermo Top Eco

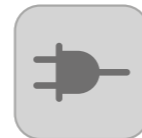
Extremely small dimensions and weight, the electrical heater eThermo Top Eco convinces with no emission in operation. The pure electrical heater will operate with the 230 V network of the vehicle. A further highlight of the heater is the integrated smart trickle charge function of the vehicle's battery.



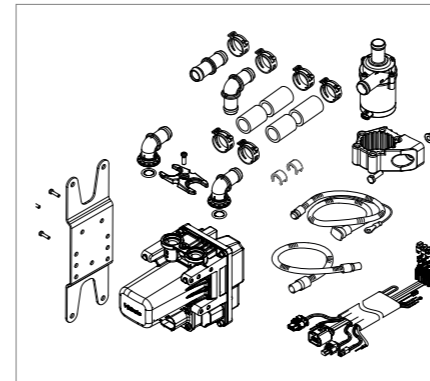
The eThermo Top Eco preheats automatically the cabin and the motor:
First, the hot water circulates in the vehicle's water circuit, thus heating up the cabin. All available heat is transferred via the vehicles' blower system to the driver's cabin.

The advantages of the eThermo Top Eco

- No emissions in operation
- Extremely small and light, weighting only 1.2 kg
- Trickle charge function of the vehicle's battery
- Low noise



Scopes of delivery



eThermo Top Eco

Basic scope of delivery

- Heater (eThermo Top Eco)
- Cable harness
- Mounting cable
- Mounting parts
- Documentation
- Coolant pump 4847 Econ

Installation kit

- Heater bracket
- Wiring harness fan control
- Wiring harness relay fuse holder
- Coolant hose 2 m
- Connecting pipes water
- Mounting parts water
- Technical information

1

Basic heater scope of delivery

- eThermo Top Eco 20 P Basic **1330002A**
- eThermo Top Eco 30 P Basic **1330003A**

2

Installation kit

In order to perform a complete application the Mounting Part Set is needed in addition to the Basic scope of delivery.

- Basic Mounting Part Set
eThermo Top Eco P **1330001A**

3

Control options

The heater is easily activated by providing 230 V power to it. This can be achieved e.g. via a switch or timer.

4

Mounting parts

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

Technical specifications

	eThermo Top Eco 20 P	eThermo Top Eco 30 P
Heating power (kW)	2	3
Fuels	electrically powered	electrically powered
Power supply (V) (50 Hz)	230	230
Required power supply amperage (A)	≥ 10	≥ 16
Output voltage (V)	12 – 14	12 – 14
Electrical power input @230 V (kW)	2	3
Battery charge function* (W)	25	25
Dimensions L x W x H (mm)	181 x 91 x 133	181 x 91 x 133
Weight (kg)	1.2	1.2

* Depending on thermal load and ambient conditions to supply power to circulation pump and vehicle fan and protect against battery discharge.

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

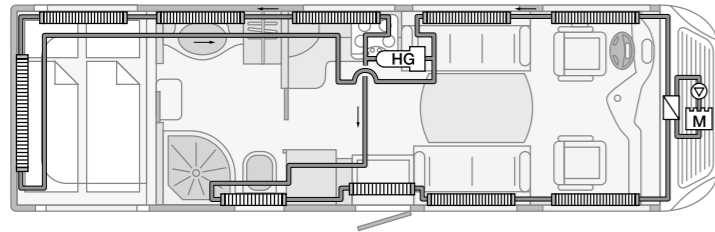
Water Heaters

Thermo Pro 90



Thermo Pro 90

The Thermo Pro 90 enables the pre-heating of the passenger compartment in medium to large vehicles and optional engine pre-heating.

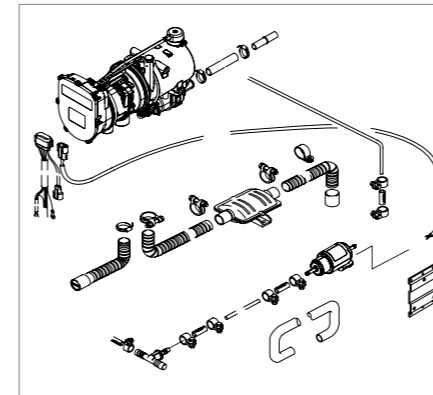


When several convectors are applied, a parallel distribution should be chosen. That way you ensure that even the last convector is still performing perfectly.

The advantages of the Thermo Pro 90

- Wide heating power range from 1.8 to 9.1 kW
- Low weight, compact design
- High operational readiness of vehicles even at low temperatures
- Automatic altitude adjustment up to 3,500 m

Scopes of delivery



Thermo Pro 90

Basic heater incl. U4840

Fuel pump DP42.4

Documentation

Mounting kit standard

Exhaust system with exhaust silencer

Wiring harness with fuse holder

Extension wiring harness for fuel pump 5 m

Fuel hose 6 m

Combustion system with air intake silencer

Mounting parts

Technical specifications

	Thermo Pro 90
Heating power, control range/boost (kW)	1.8 – 7.6/ 9.1
Fuels	Diesel DIN EN 590, B100 FAME DIN EN 14214, Fuel oil EL DIN 51603-1, Paraffinic fuel DIN EN 15940 (HVO, GTL)
Fuel consumption, control range/boost (l/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)	385 x 139 x 219
Weight (kg)	4.9

* Recommendation: max. one season only due to aging of the fuel.

1

Order number

Thermo Pro 90 D 12 V Basic

9023075C

Mounting Kit Thermo Pro 90

9024620A

12 V Standard

2

User interface

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

3

Water system

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

4

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 catalog as well as in this catalog.





Please refer to our separate heating product catalog for our full range of accessories (see also page 9).





Main Accessories for Heating Systems

Control Elements	40
Combustion Air Line	42
Exhaust System	44
Fuel System	48
Hot Air System	50
Water System	65
Valve	68
Mounting Parts	70
Electrical Accessories	72
Maintenance and Diagnostics	74





Control Elements

		Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
Wireless	 <p>ThermoConnect TCon2</p> <ul style="list-style-type: none"> - 12/24 V, - Available control functions: heating, ventilation, setting of timers, heating time management (HTM) - Individual operating time between 1 minute – 24 hours and continuous heating - Multiple vehicle control with one app possible - 2G and 4G based control unit with integrated antenna - Including push button with integrated temperature sensor and operation indicator - App available for Android, iOS and Web App my.webasto-connect.com for every web connected device - Alexa skill myWebasto available for Alexa capable devices 	■	■	■	■	9040223E
	 <p>Remote control Telestart T99</p> <ul style="list-style-type: none"> - 12 V - Available control functions: heating, ventilation - Individual operating time between 10 – 120 minutes and continuous heating - Incl. one handheld transmitter with battery, receiver, self-adhesive window antenna and wiring harness 			■	■	9039217A
	 <p>Hand-held transmitter T99</p> <ul style="list-style-type: none"> - Incl. battery, - Included in kit 9039217A, - Up to four transmitters can be connected 			■	■	9039224A
	 <p>Y-adaptor for wiring harness</p> <p>For connecting a second control element</p>	■	■	■	■	1319820A

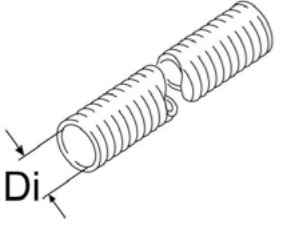
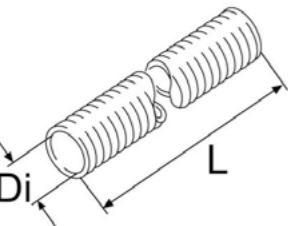
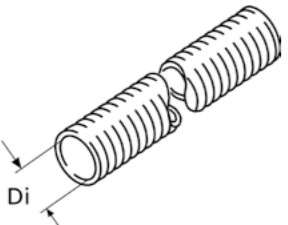
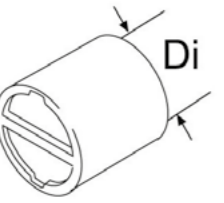
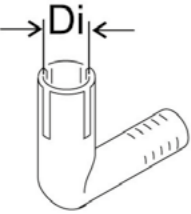
Wired

 <p>MultiControl Mar RV ATE</p> <ul style="list-style-type: none"> - 12/24 V - Available control functions: heating, ventilation - 21 activatable timer (3 preselectable on-times per day, programmable for 7 days in advance) - Quick start button - Individual operating time between 10 – 120 minutes and continuous heating - Quick and intuitive operation thanks to a large TFT display and multifunction button - Cover panel dimensions (L x W) 68 x 48 mm - Installation depth: 15 mm - Including adhesive pad - Pre-set to Air Top 2000 STC, all other air heaters can be selected 	■	■			9030910E
 <p>MultiControl Mar RV TT</p> <ul style="list-style-type: none"> - 12/24 V - Available control functions: heating, ventilation, - 21 activatable timer (3 preselectable on-times per day, programmable for 7 days in advance) - Quick start button - Individual operating time between 10 – 120 minutes and continuous heating - Quick and intuitive operation thanks to a large TFT display and multifunction button - Cover panel dimensions (L x W) 68 x 48 mm - Installation depth: 15 mm - Including adhesive pad - Pre-set to Thermo Top Evo, all other water heaters can be selected 			■	■	9030911D

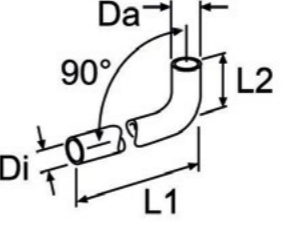
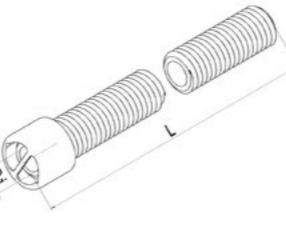
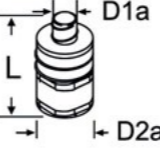
Control Elements

		Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
Switches	 <p>Rotary selector switch</p> <ul style="list-style-type: none"> - 12/24 V - Available control functions: steplessly adjustable heating – With operation indicator and fault display by blink code – Cover panel dimensions: Ø 49 mm - Installation depth 55 mm 	■	■			1322581A
	 <p>Rotary selector switch with automatic altitude adjustment</p> <ul style="list-style-type: none"> - 12/24 V - With switch function and light - Cover panel Ø 49 mm - Installation depth including plug: 55 mm, - For Air Top Evo heaters with automatic altitude compensation 		■			1322703A
	 <p>Installation cover panel</p> <ul style="list-style-type: none"> - For rotary selector switch (1322581A) - Cover panel dimensions (L x W): 84 x 41.6 mm 	■	■			1319733A
	 <p>Rocker switch ON/OFF</p> <ul style="list-style-type: none"> - 12/24 V - Available functions: ON/OFF-switch - LED to indicate heater operation - Cover panel dimensions (L x W): 23 x 23 mm (drilling hole 20 mm) 				■	9032550A

Combustion Air Line

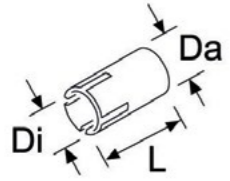
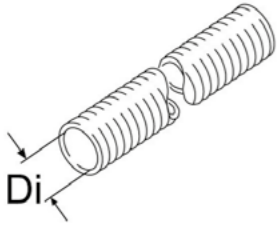
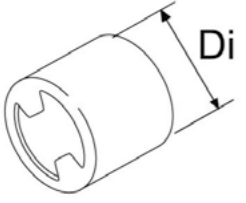
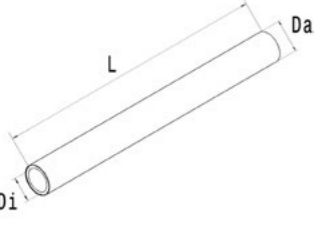
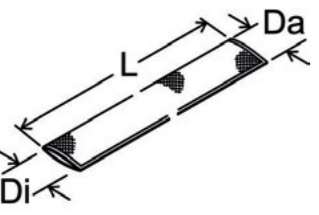
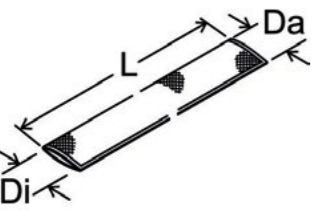
	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
	Flexible pipe				
	PAK				
		■	■		1321566A
		■	■		1321565A
			■		1321588A
			■		1321586A
			■		1321587A
				■	1321557A
				■	1321558A
				■	1321542A
	Flexible pipe for air intake silencer				
	Di = 21.4, H-M-A				
		■	■		1323271A
		■	■		9035621A
	Flexible pipe				
	Di = 30, Da = 34, stainless steel				
				■	1321494A
				■	1321495A
				■	1321496A
				■	1321493A
	Protection cap				
	plastic				
		■	■		1320257A
			■		1321067A
				■	1320258A
	Combustion air elbow				
	plastic				
		■	■		1320144A
			■		1320278A

Combustion Air Line

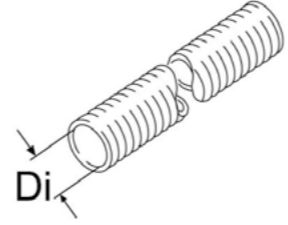

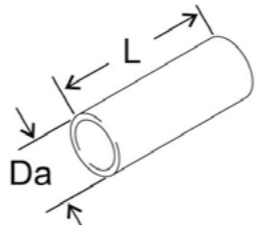
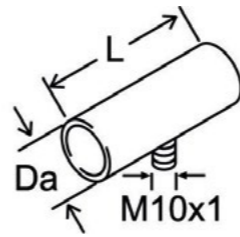
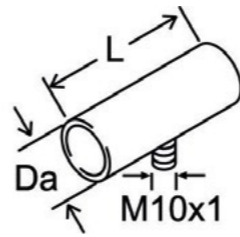
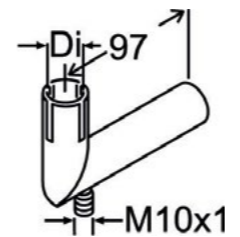
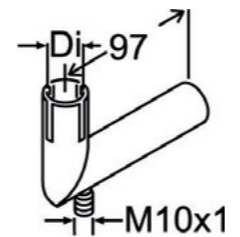
	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
	Combustion air hose				
		■	■		1320842A
	Air intake silencer				
		■	■		1322455A
			■		1319924A
				■	1322512A
				■	1319607A
	Air intake silencer				
					D2a = 52, plastic
		■	■		D1a = 21, L = 97, black
		■	■		D1a = 21, L = 97, with mounting base, black
		■	■		D1a = 21, L = 137.5, black
			■		D1a = 24.2, L = 138, complete with 300 mm flexible pipe

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

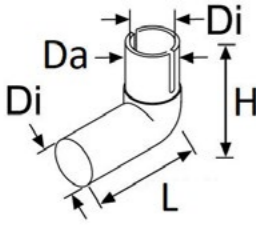
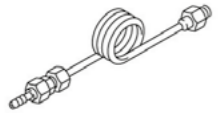
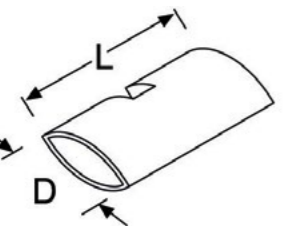
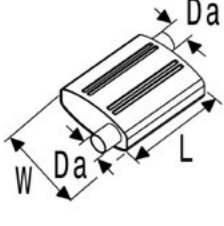
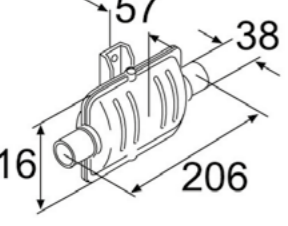
Exhaust System

	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
	Exhaust pipe extension				
	Di = 22, Da = 24, L = 40, stainless steel				1320382A
	Flexible pipe				
	stainless steel				
	Di = 22, Da = 26, L = 1000, with end cap				1322414A
	Di = 24, Da = 28, L = 10000				1321523A
	Di = 38, Da = 41, L = 5000				1321540A
	Protection cap				
	L = 17, stainless steel				
	Di = 26, for flexible exhaust pipe				1320109A
	Di = 28, for flexible exhaust pipe				1320217A
	Heat protection hose				
	fiberglass, with cover, non-flammable, interior resistant to temperatures up to 500 °C				
	Di = 28, Da = 38, L = 324				1319670A
	Flexible heat protection hose				
	Di = 45, Da = 55, L = 1000				1328352A
	Flexible heat protection hose				
	Di = 70, Da = 120, L = 1850, fiberglass				1320830A

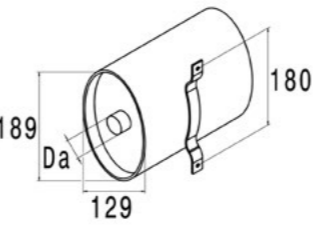
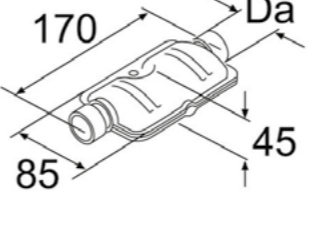
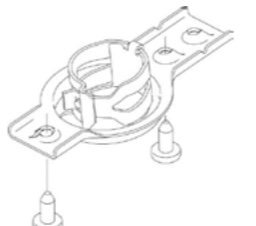
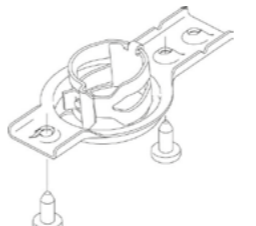
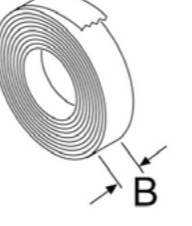
Exhaust System

	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
	Flexible heat protection hose				
	L = 10000				
	Di = 28, GA-A				1321601A
	Spacer ring for exhaust pipe				
	Di = 25, Da = 48, W = 21, for flexible pipe				1317843A
	Exhaust connecting pipe				
	Da = 24, L = 50, stainless steel				1319937A
	Exhaust connecting pipe				
	L = 65, stainless steel				
	Da = 24				1319935A
	Exhaust connecting pipe				
	Da = 38, with condensate drain				1320959A
	Exhaust elbow				
	Di = 24, Da = 24, L = 97, stainless steel				
	without condensate drain				1320383A
	Exhaust elbow				
	with condensate drain				1320378A

Exhaust System

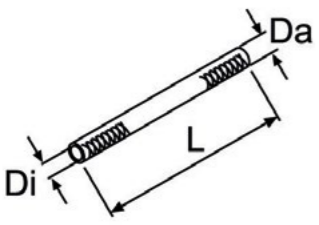
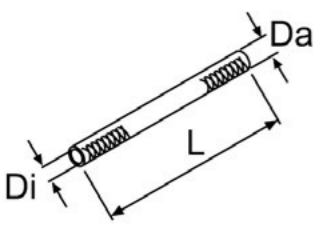
	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
	Exhaust elbow				
	without condensate drain				
	■	■			1320117A
			■		1328762A
	Condensate drain				
	■	■	■	■	92621A
	Insulating sleeve				
	■	■	■		1320848A
	Exhaust silencer				
	■	■			1320910A
	Exhaust silencer				
				■	1320840A

Exhaust System

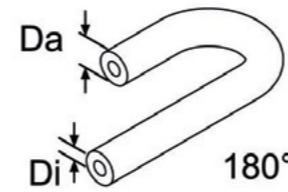
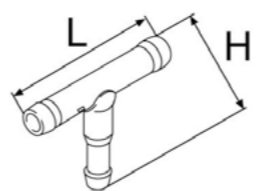
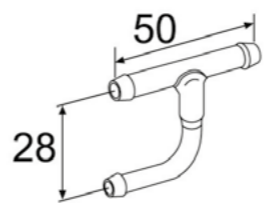
	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
	Exhaust silencer				
				■	1321397A
	Exhaust silencer				
	L = 170, W = 85, H = 45				
	■	■			1320895A
	■	■			1320841A
	Exhaust silencer				
	L = 170, W = 85, H = 45				
			■		1320372A
	End fixing kit				
	■	■			1317567A
	Insulating tape				
	■	■	■	■	1320357A

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

Fuel System

	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
 <p>Fuel hose Di = 4.5, Da = 9, L = 5000</p>	■	■	■	■	1321500A
 <p>Fuel hose Di = 4.5, Da = 10.5, L = 50, 20 pieces</p>	■	■	■	■	9023450A

Fuel System

	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
 <p>Molded hose 180° Di = 4.5, Da = 10.5</p>	■	■	■	■	1319686A
 <p>Fuel extractor, T-piece kit L = 50, H = 33, steel, zinc coated, 8 x 6 x 8</p>					9035126A
 <p>H-shaped fuel extractor L = 50, H = 28, steel, zinc coated, extraction at 90° elbow</p>					
	■	■	■	■	1319520A
	■	■	■	■	1320574A
	■	■	■	■	1320806A

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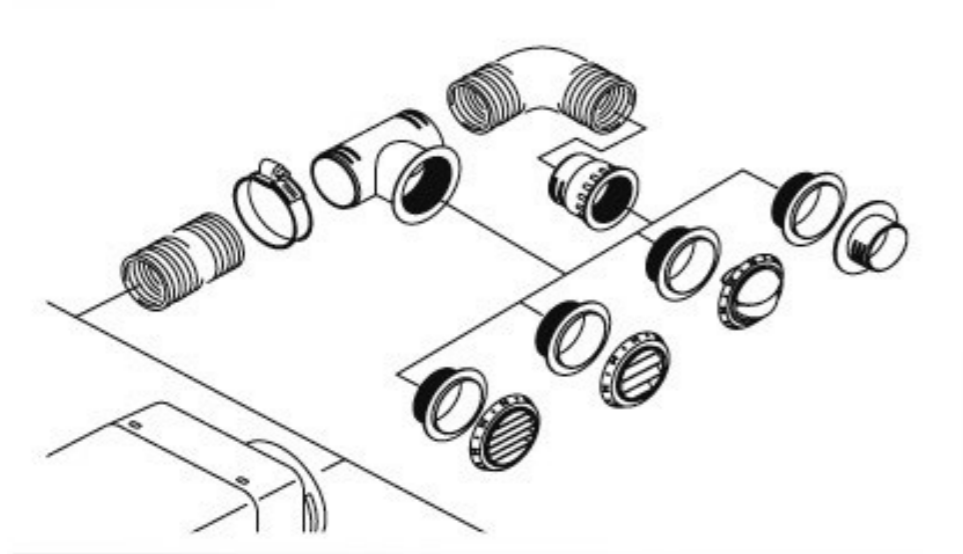
Hot Air System

Advantages and Features

Webasto offers a wide range of components for air distribution with high flexibility to fit any application.

The advantages:

- Full range of mounting parts needed for any application
- Multiple combination possibilities to suit any application
- Coloured air outlets, black, white, grey and brown fitting to any interior
- Fast and easy installation, also in small spaces
- High temperature resistance from -40°C up to +140°C with PA6.6 GF30 glass fibre reinforced synthetic material



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

Hot Air System

Air Flow Resistance Calculation

To ensure correct application with the correct air distribution system, it is important to have a continuous main line with openings that cannot be closed. The sum of the resistance points of the main line must not exceed the maximum number of resistance points for each air heater model. Lines branching off from the main line are not taken into account.

Consequently, the branches can also be designed with closable outlets. In the following table, several air ducting parts are listed. Exceeding the number of points (excessive air resistance of the heating air system) is detected by the heater after starting. For safety reasons, continuous heating operation is then no longer possible and the heater switches to control pause.

		Air Top 2000 STC: max. 325 resistance points			Air Top Evo 40: max. 550 resistance points Air Top Evo 55: max. 375 resistance points		
		55/60 mm inlet			80/90 mm inlet		
		Dim. in mm	Points	Id.	Dim. in mm	Points	Id.
Intake grill/ grille		60	24	1320163A	90	65	1310581A
Flexible tubing per meter		55	30	various	80	27	various
		60	27	various	90	25	various
Additional points for elbow in flexible tube		55	10	various	80	7	various
		60	8	various	90	6	various
Air ducting silencer		-	-	-	90	24	1321734A
		-	-	-	90	16	1320996A
Reducing adapter air intake					90 > 80	45	1320186A
Reducing adapter		60 > 55	27	1320127A	80 > 55	223	1319477A
		-	-	-	80 > 60	172	1319312A
		-	-	-	90 > 60	211	1320760A
		-	-	-	90 > 80	45	1320185A
		-	-	-	90 > 80	45	1320925A
Hose connector		55	12	1319473A	80	5	1319476A
		60	10	1320469A	90	5	1319869A

Hot Air System

Air Flow Resistance Calculation

			Air Top 2000 STC: max. 325 resistance points			Air Top Evo 40: max. 550 resistance points Air Top Evo 55: max. 375 resistance points		
			55/60 mm inlet			80/90 mm inlet		
			Dim. in mm	Points	Id.	Dim. in mm	Points	Id.
Elbow for air outlet			-	-	-	60	35	1320124A
Elbow			-	-	-	80	50	1319272A
			-	-	-	90	77	1320706A
Branch			55/55/55	10	1321019A	80/55/80	8	1319479A
			60/60/60	9	1320472A	80/80/80	9	1319315A
			-	-	-	90/60/90	8	1320707A
			-	-	-	90/60/90	8	1321034A
Branch			55/55/55	22	1321019A	80/55/80	230	1319479A
			60/60/60	21	1320472A	80/80/80	50	1319315A
			-	-	-	90/60/90	228	1320707A
			-	-	-	90/60/90	228	1321034A
Y-piece			60/60/60	20	1320814A	80/55/55	230	1320753A
			-	-	-	80/60/60	201	1320471A
			-	-	-	80/80/80	50	1320375A
			-	-	-	90/90/90	42	1320470A
T-piece			60/60/60	13	1320474A	90/90/90	13	1320473A
T-piece			60/60/60	63	1320474A	90/90/90	61	1320473A
Distributor with control valve			55/55/55	19	1319224A	80/80/80	21	1319214A
			60/60/60	20	1320352A	90/90/90	21	1320926A
Distributor Y-piece			55/55/55	21	1319416A	80/80/80	50	1319212A

Hot Air System

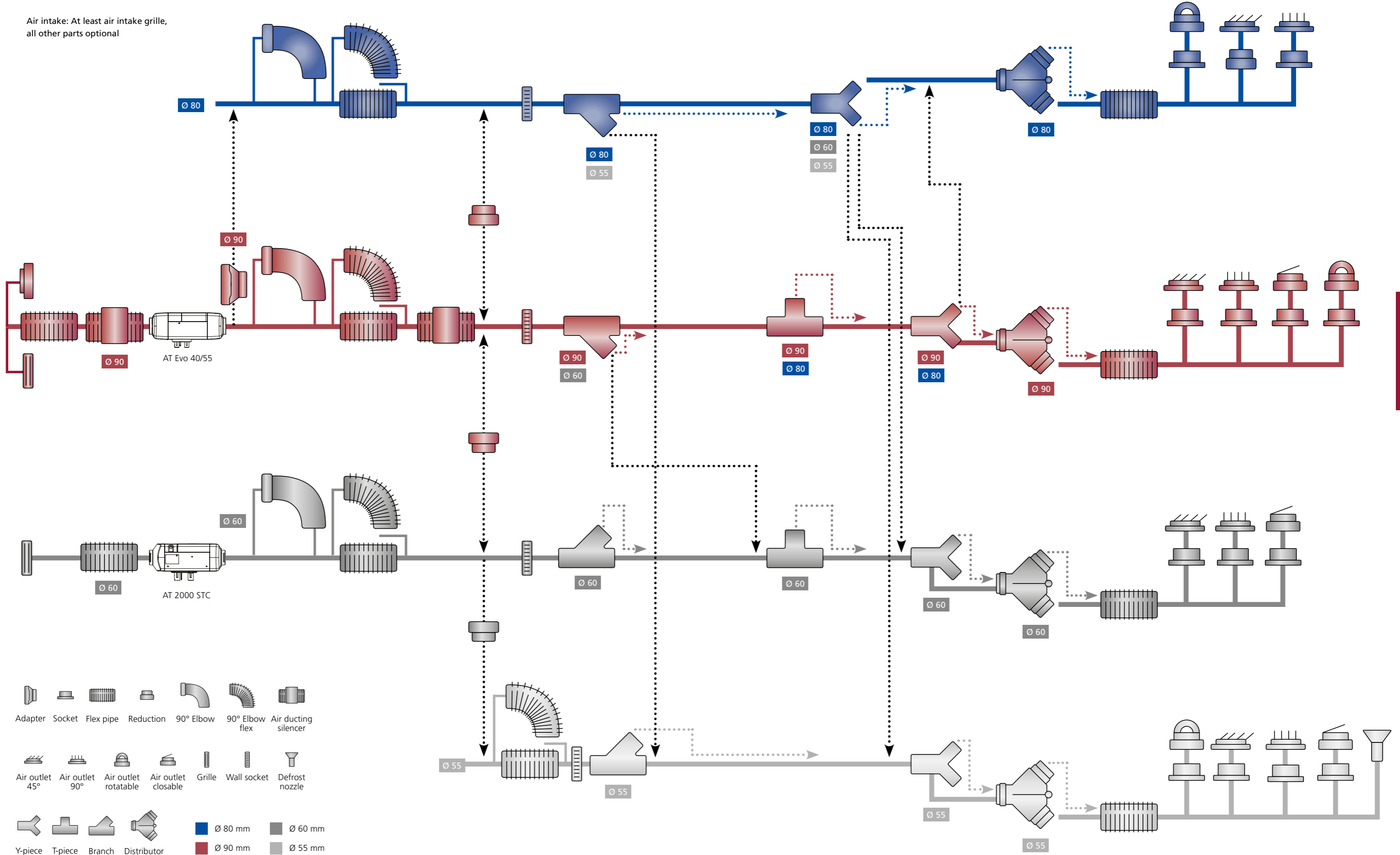
Air Flow Resistance Calculation

			Air Top 2000 STC: max. 325 resistance points			Air Top Evo 40: max. 550 resistance points Air Top Evo 55: max. 375 resistance points		
			55/60 mm inlet			80/90 mm inlet		
			Dim. in mm	Points	Id.	Dim. in mm	Points	Id.
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
Rotatable air outlet			Ø 60/black	24	1322405A	-	-	-
Closeable air outlet			Ø 55/black	64	1320812A	-	-	-
			Ø 60/ black	59	1320206A	-	-	-
			Ø 60/white	59	1320207A	Ø 90/white	50	1320713A
			Ø 60/grey	59	1320937A	Ø 90/black	50	1320355A
			Ø 60/brown	59	1320208A	Ø 90/grey	50	1320714A
Outlet 45°			Ø 55/45°/black	142	107836	Ø 80/45°/black	136	107984
			Ø 60/45°/black	139	1320204A	Ø 90/45°/black/pivoted	134	1320956A
			Ø 60/45°/white	139	1320205A	Ø 90/45°/black	134	1320709A
			Ø 60/45°/grey	139	1320933A	Ø 90/45°/white	134	1320710A
			Ø 60/45°/brown	139	1320761A	Ø 90/45°/grey	134	1320354A
			Ø 60/45°/white	139	1320205A	Ø 90/45°/black	134	1320709A
Outlet 90°			Ø 55/90°/black	37	101625	-	-	-
			Ø 60/90°/black	35	1320934A	Ø 80/90°/black	35	1322710A
			Ø 60/90°/white	35	1320935A	Ø 90/90°/black	33	1320932A
			Ø 60/90°/grey	35	1320936A	Ø 90/90°/grey	33	1320712A
			Ø 60/90°/brown	35	1320762A	Ø 90/90°/white	33	1320711A
			Ø 60/90°/white	35	1320762A	Ø 90/90°/white	33	1320711A
Wall socket			55	10	1319417A	80	11	1319471A
			55	10	1320063A	90	12	1320924A
			60	10	1320923A	-	-	-
Wall socket with air outlet			60	24	1322634A	-	-	-
Air intake grille			60	139	1319269A	80	137	1319269A
			-	-	-	90	134	1319269A

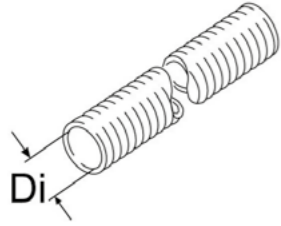
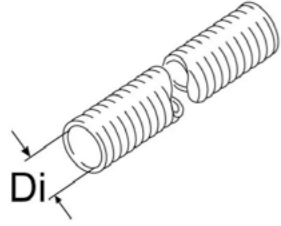
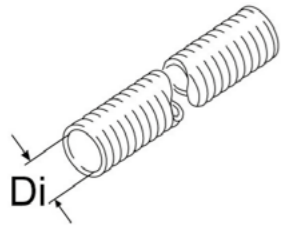
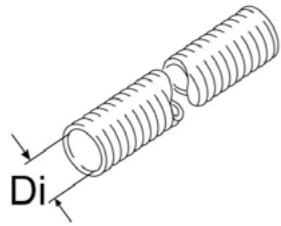
Air ducting combination possibilities:

Air ducting: At least flex pipe & air outlet, all other parts optional.

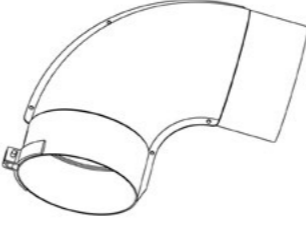
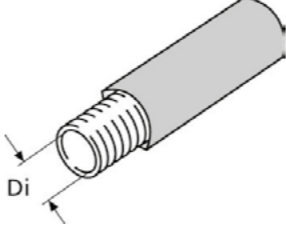
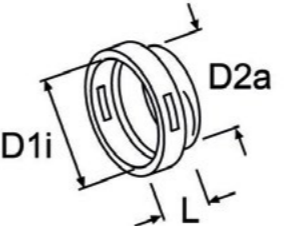
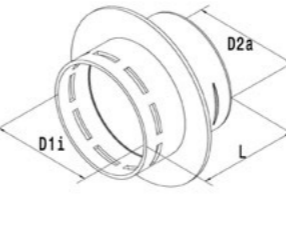
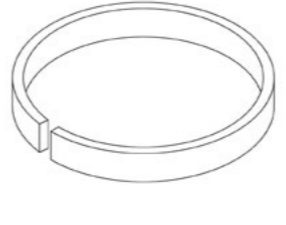
Air intake: At least air intake grille, all other parts optional



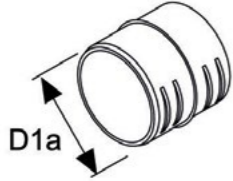
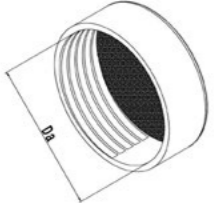
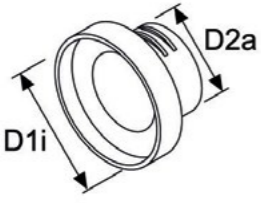
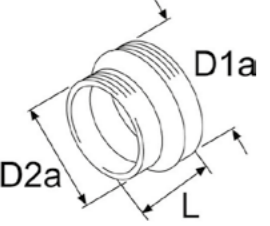
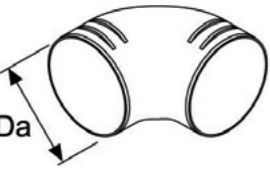
Hot Air System

	Air Top 2000 STC	Air Top Evo 40/55	Order number
	Flexible pipe, 55 mm, suitable only with adapter		
	Di = 55		
	■	■	L = 2000, APK, black 1315889A
	■	■	L = 2000, PAPK, grey 1321580B
	■	■	L = 10000, APK, black 1322082A
	■	■	L = 10000, PAK 1321701B
	■	■	L = 25000, APK, black 1311891C
	■	■	L = 25000, PAPK, grey 1311896C
	Flexible pipe, 60 mm, suitable for Air Top 2000 STC, for other heaters with adapter		
	Di = 60		
	■	■	L = 2000, APK, black 1321574B
	■	■	L = 2000, PAPK, grey 1321504A
	■	■	L = 5000, APK, black 1321575C
	■	■	L = 10000, APK, black 1322083C
	■	■	L = 10000, PAK, black 1321692B
	■	■	L = 10000, PAPK, grey 1321727C
	■	■	L = 20000, PAK, black 1321697B
	■	■	L = 25000, APK, black 1311892C
	■	■	L = 25000, PAPK, grey 1311898C
	Flexible pipe, 80 mm, suitable only with adapter		
	Di = 80		
	■	■	L = 1000, AA, grey 1321531A
	■	■	L = 2000, APK, black 1321576C
	■	■	L = 2000, PAPK, grey 1321582B
	■	■	L = 5000, APK, black 1321577B
	■	■	L = 10000, AA, grey 1321533A
	■	■	L = 10000, APK, black 1321718C
	■	■	L = 10000, PAK 1322147B
	■	■	L = 10000, PAPK, grey 1321729B
	■	■	L = 25000, APK, black 1311893C
	■	■	L = 25000, PAPK, grey 1311900C
	Flexible pipe, 90 mm, suitable for Air Top Evo 40/55, for other heaters with adapter		
	Di = 90		
	■	■	L = 2000, APK, black 1321578C
	■	■	L = 2000, PAPK, grey 1321506B
	■	■	L = 5000, APK, black 1321579C
	■	■	L = 5000, PAPK, grey 1321508A
	■	■	L = 10000, APK, black 1321719C
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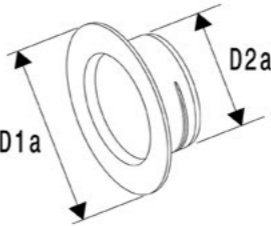
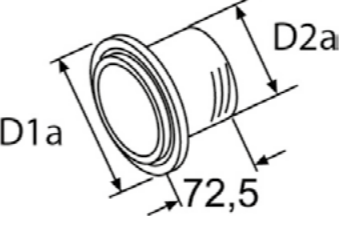
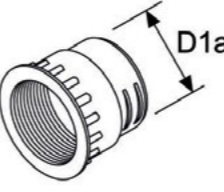
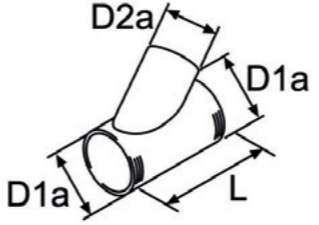
Hot Air System

	Air Top 2000 STC	Air Top Evo 40/55	Order number
	Elbow		
	Di = 80,5, Da = 79, L = 115, steel, corrosion-resistant, 90°		
	■	■	1319272A
	Insulated hose		
	L = 12000, PAK		
	■	■	Di = 80 1321515A
	■	■	Di = 90 1321517A
	Adapter for heater connection		
	D1i = 90, D2a = 80, L = 40, plastic		
	■	■	1320186A
	Adapter for heater connection		
	D1i = 60, D2a = 75, L = 40, plastic		
	■	■	1321005A
	Adapter ring		
	Di = 55, Da = 60, aluminium		
	■	■	1320224A
	Di = 70, Da = 80, W = 17, plastic, for outlet 1319946A, black		
	■	■	1320040A

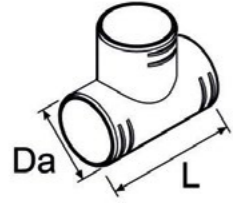
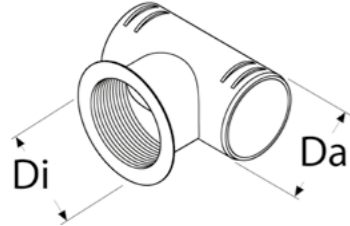
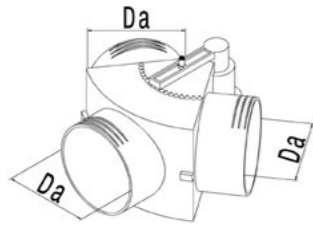
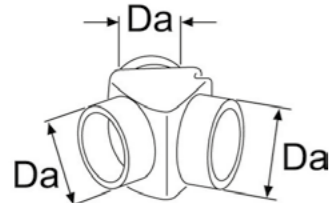
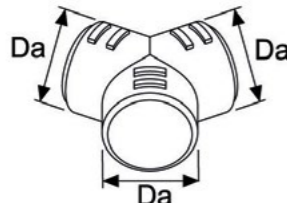
Hot Air System

		Air Top 2000 STC	Air Top Evo 40/55	Order number
	Double fitting			
	plastic, black, for connecting flexible pipes			
	D1a = 55, L = 55	■	■	1319473A
	D1a = 60, L = 51	■	■	1320469A
	D1a = 80, L = 75	■	■	1319476A
	D1a = 90, L = 51	■	■	1319869A
	End cap			
	plastic, black			
	Da = 60	■	■	1320477A
	Da = 90	■	■	1319870A
	Extension adapter			
	D1i = 90, for connecting flexible pipes, in connection with union nut 1320468A, plastic, black			
	D2a = 60, L = 59	■	■	1320760A
	D2a = 80, L = 50	■	■	1320925A
	Reduction adapter			
	for connecting flexible pipes			
	D1a = 60, D2a = 55, L = 35, plastic, black	■	■	1320127A
	D1a = 80, D2a = 55, L = 82, plastic, black	■	■	1319477A
	D1a = 80, D2a = 60, L = 190, steel, corrosion-resistant	■	■	1319312A
	D1a = 90, D2a = 80, L = 45, plastic, black	■	■	1320185A
	Elbow			
	Da = 90, plastic, black	■	■	1320706A

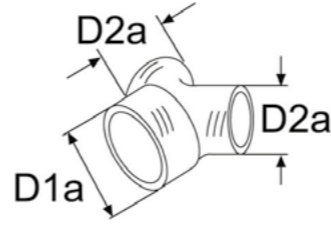
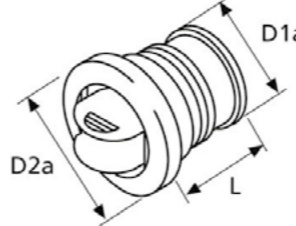
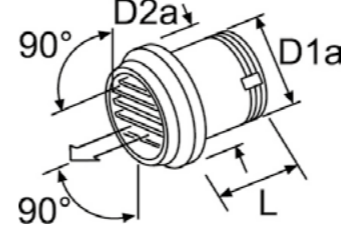


Hot Air System

		Air Top 2000 STC	Air Top Evo 40/55	Order number
	Hot air elbow 90° for heater connection			
	Di = 60, Da = 60, plastic, black	■	■	1320124A
	Wall feed-through			
	plastic, black			
	D1a = 85, D2a = 55	■	■	1319417A
	D1a = 90, D2a = 60	■	■	1320923A
	D1a = 120, D2a = 90	■	■	1320924A
	Adapter wall socket			
	L = 72.5, plastic, black			
	D1a = 90, D2a = 55	■	■	1320063A
	D1a = 110, D2a = 80, can be combined with wall feed-through	■	■	1319471A
	Union nut			
	L = 60, plastic, black			
	D1a = 60, in combination with 60 mm air outlet	■	■	1320922A
	D1a = 90, in combination with 90 mm air outlet	■	■	1320468A
	Junction fitting			
	45°			
	D1a = 55, D2a = 55, L = 137, plastic, black	■	■	1321019A
	D1a = 60, D2a = 60, L = 145, plastic, black	■	■	1320472A
	D1a = 60, D2a = 60, L = 146, plastic, black	■	■	1319812A
	D1a = 80, D2a = 55, L = 151, plastic, black	■	■	1319479A
	D1a = 80, D2a = 80, L = 186, plastic, black	■	■	1319478A
	D1a = 80, D2a = 80, L = 370, steel, corrosion-resistant	■	■	1319315A
	D1a = 90, D2a = 60, L = 146, plastic, black	■	■	1320707A
	D1a = 90, D2a = 60, L = 185, plastic, black	■	■	1321034A


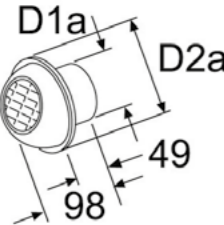
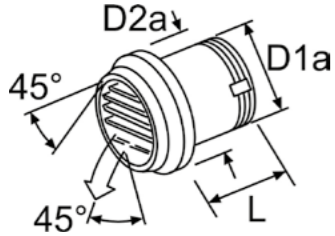
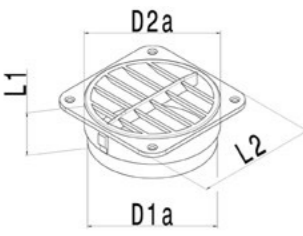
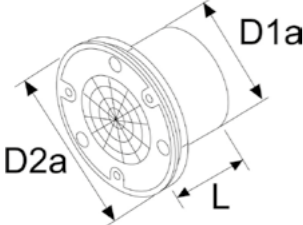
Hot Air System

	Air Top 2000 STC	Air Top Evo 40/55	Order number
	T-piece		
	L = 110, plastic, black		
	Da = 60	■ ■	1320474A
	Da = 90	■ ■	1320473A
	T-piece		
	Di = 60, black		
	Da = 60, L = 100, plastic, in combination with 60 mm air outlet, with thread	■ ■	1320476A
	Da = 90, L = 140, plastic, in combination with 60 mm air outlet, with thread	■ ■	1320475A
	Distributor Y-unit		
	plastic, black		
	Da = 55, with remote control flap valve	■ ■	1319224A
	Da = 60	■ ■	1320352A
	Da = 80, with remote control flap valve	■ ■	1319214A
	Da = 90	■ ■	1320926A
	Distributor Y-unit		
	plastic, black		
	Da = 55	■ ■	1319416A
	Da = 80	■ ■	1319212A
	Distributor Y-unit		
	plastic, black		
	Da = 60	■ ■	1320814A
	Da = 90	■ ■	1320470A

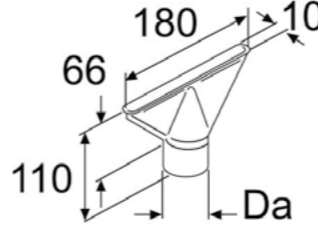


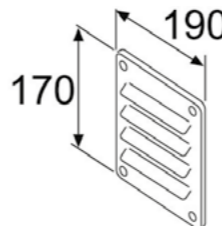
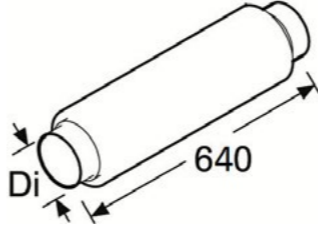
Hot Air System

	Air Top 2000 STC	Air Top Evo 40/55	Order number
	Air outlet 45° rotatable		
	plastic, black		
	D1a = 80, D2a = 55	■ ■	1320753A
	D1a = 80, D2a = 60	■ ■	1320471A
	D1a = 90, D2a = 80	■ ■	1320375A
	Air outlet		
	D2a = 100, L = 63, black, plastic, lockable, with wall feed through, use for secondary flow only		
	D1a = 55	■ ■	1320812A
	D1a = 70	■ ■	1319946A
	Air outlet		
	L = 65, plastic, insert grid, straight, rotating, 90°, black		
	D1a = 55, D2a = 87	■ ■	101625
	D1a = 80, D2a = 110	■ ■	1322710A
	Air outlet		
	plastic, through flow with bushing, 45°		
	D1a = 60, D2a = 85, L = 31.5, black	■ ■	1320204A
	D1a = 60, D2a = 85, white	■ ■	1320205A
	D1a = 60, D2a = 85, brown	■ ■	1320761A
	D1a = 60, D2a = 85, grey	■ ■	1320933A
	D1a = 90, D2a = 115, grey	■ ■	1320354A
	D1a = 90, D2a = 115, black	■ ■	1320709A
	D1a = 90, D2a = 115, white	■ ■	1320710A
	Air outlet		
	lockable, with wall feed through		
	D1a = 60, D2a = 85, black, plastic	■ ■	1320206A
	D1a = 60, D2a = 85, white, plastic	■ ■	1320207A
	D1a = 60, D2a = 85, brown	■ ■	1320208A
	D1a = 60, D2a = 85, grey, plastic	■ ■	1320937A
	D1a = 90, D2a = 115, black, plastic	■ ■	1320355A
	D1a = 90, D2a = 115, white, plastic	■ ■	1320713A
	D1a = 90, D2a = 115, grey, plastic	■ ■	1320714A

Hot Air System

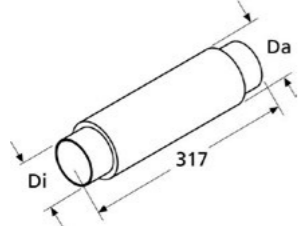

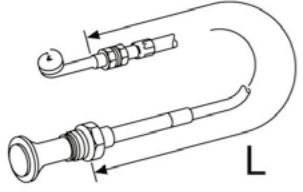
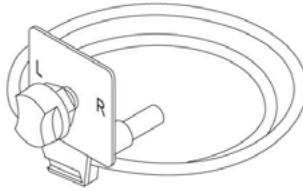
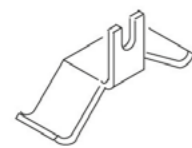
	Air Top 2000 STC	Air Top Evo 40/55	Order number
	Air outlet		
	plastic, 90°, with wall feed through		
	■	■	D1a = 60, D2a = 85, black 1320934A
	■	■	D1a = 60, D2a = 85, white 1320935A
	■	■	D1a = 60, D2a = 85, grey 1320936A
	■	■	D1a = 90, D2a = 115, white 1320711A
	■	■	D1a = 90, D2a = 115, grey 1320712A
	■	■	D1a = 60, D2a = 85, brown 1320762A
■	■	D1a = 90, D2a = 115, black 1320932A	
	Air outlet		
	■	■	D1a = 60, D2a = 92, black, plastic, rotatable, with ball-shape outlet, black 1322405A
	Air outlet		
	L = 65, plastic, rotatable, black		
	■	■	D1a = 55, D2a = 90, 45° 107836
■	■	D1a = 80, D2a = 110 107984	
	Air outlet		
	■	■	D1a = 90, D2a = 120, L1 = 65, L2 = 108, drilling diameter = 95 mm, plastic, through flow with bushing, 45°, black 1320956A
	Air outlet		
	■	■	D1a = 60, D2a = 97, L = 50, plastic, axiale flow, with wall feed through, black 1322634A

Hot Air System

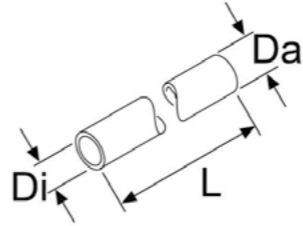
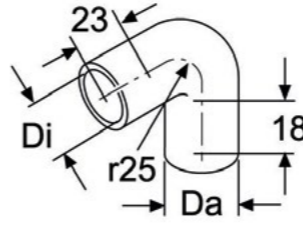
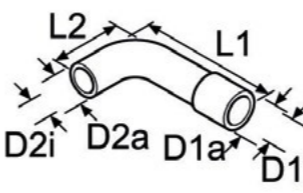
	Air Top 2000 STC	Air Top Evo 40/55	Order number
	Demist nozzle		
	■	■	Da = 55, steel, corrosion-resistant 1319470A
	Protective screen		
	for intake and outlet openings of heater, plastic, black		
	■	■	Di = 60 1320163A
■	■	Di = 90 1310581A	
	Protective screen		
	■	■	Di = 60, for flex tube intake, rubber 1320173A
	Louvre plate		
	■	■	L = 190, H = 170, aluminium, for air intake only 1319269A
	Air ducting silencer		
	■	■	Di = 90, L = 640, aluminium / plastic 1321734A

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

Hot Air System

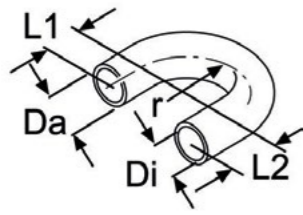
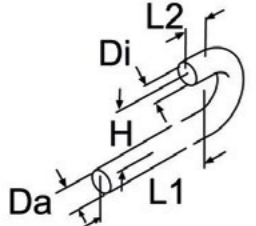
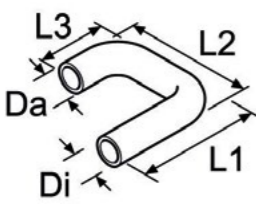
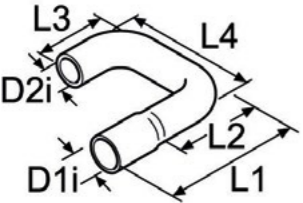
	Air Top 2000 STC	Air Top Evo 40/55	Order number
			
Air ducting silencer			
Di = 90, Da = 122, L = 317, plastic, black	■	■	1320996A
Console			
10 pieces	■	■	1321044A
			
Control cable			
with grip and outer sleeve, for Y-pieces			
L = 850	■	■	1320785A
L = 1500	■	■	1320786A
			
Control device for distributor			
L = 2000, for Y-pieces, with control butterfly valve	■	■	1319868A
			
Clamp			
For bowden cable 1320785A and 1320786A	■	■	1319688A
			

Water System

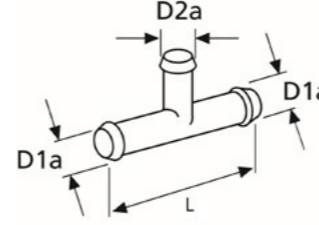
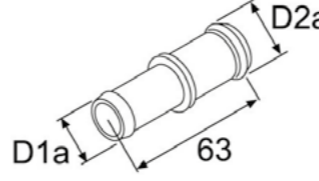
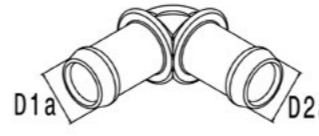
	eThermo Top Eco 20 P/30 P	Thermo Top Evo	Thermo Pro 90	Order number
				
Hose				
EPDM, black				
Di = 15, Da = 22, L = 2400	■	■	■	1320300A
Di = 18, Da = 25, L = 2000	■	■	■	1322423A
Di = 18, Da = 25, L = 20000	■	■	■	1316941A
Di = 18, Da = 27, L = 2000	■	■	■	1319379A
Di = 20, Da = 27, L = 380	■	■	■	1320960A
Molded hose 90°				
black				
Di = 15, Da = 22, L1 = 1020, L2 = 50, 90°	■	■	■	1320789A
Di = 18, Da = 25, L1 = 136, L2 = 92, 90°	■	■	■	1320907A
Di = 18, Da = 25, L1 = 500, L2 = 47, 90°	■	■	■	1319953A
Di = 18, Da = 25, L1 = 1020, L2 = 50, 90°	■	■	■	1320794A
Di = 20, Da = 27, L1 = 60, L2 = 55, 90°	■	■	■	1319673A
Di = 20, Da = 27, L1 = 70, L2 = 70, 90°	■	■	■	1319839A
Di = 20, Da = 27, L1 = 130, L2 = 48, 90°	■	■	■	1320147A
Di = 20, Da = 27, L1 = 360, L2 = 20, 90°	■	■	■	1320961A
Di = 20, Da = 27, L1 = 615, L2 = 56, 90°	■	■	■	1320197A
Molded hose 90°				
Di = 18, Da = 25, 90°	■	■	■	1319418A
				
Molded hose 90°				
D1i = 20, D2i = 18, D1a = 27, D2a = 25, black				
L1 = 70, L2 = 70	■	■	■	1320870A
L1 = 151, L2 = 55, 90°	■	■	■	1320201A
				

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Water System

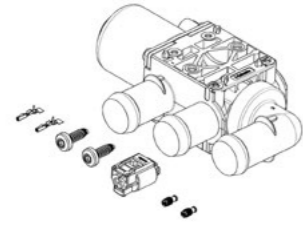
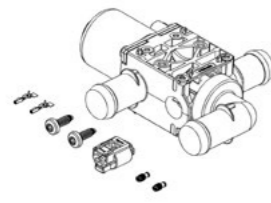
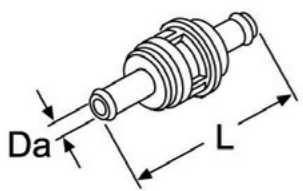
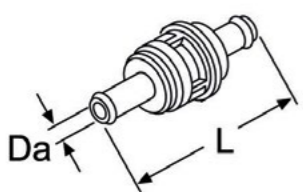
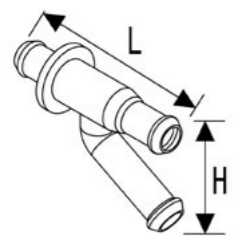
	eThermo Top Eco 20 P/30 P	Thermo Top Evo	Thermo Pro 90	Order number	
	Molded hose 180°				
	180°, black				
	Di = 18, Da = 25, L1 = 18, L2 = 18, r = 25 mm	■	■	■	1319401A
	Di = 20, Da = 27, L1 = 40, L2 = 64, r = 24 mm	■	■	■	1319623A
	Molded hose 180°				
	180°				
	Di = 15, Da = 22, L1 = 580, L2 = 20, H = 75	■	■	■	1320790A
	Di = 18, Da = 25, L1 = 580, L2 = 20, H = 75	■	■	■	1319421A
	Di = 18, Da = 25, L1 = 1100, L2 = 20, H = 75	■	■	■	1322496A
Di = 20, Da = 27, L1 = 88, L2 = 64, H = 47	■	■	■	1320913A	
	Molded hose 180°				
	180°, black				
	Di = 18, Da = 25, L1 = 110, L2 = 20, H = 54	■	■	■	1322493A
	Di = 20, L1 = 190, L2 = 113	■	■	■	1322473A
	Molded hose 180°				
D1i = 20, D2i = 15, D1a = 27, D2a = 22, L1 = 55, L2 = 20, L3 = 55, L4 = 65, 180°, black				1320901A	

Water System

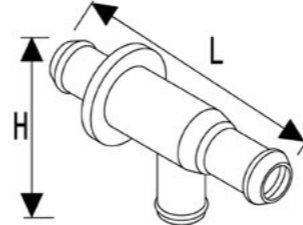
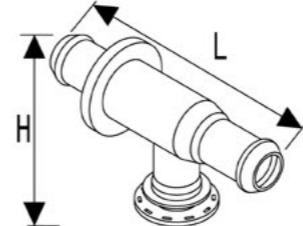
	eThermo Top Eco 20 P/30 P	Thermo Top Evo	Thermo Pro 90	Order number	
	T-piece				
	D1a = 15, D2a = 15, L = 75, steel, corrosion-resistant	■	■	■	1319289A
	D1a = 18, D2a = 15, L = 75, steel, corrosion-resistant	■	■	■	1320532A
	D1a = 18, D2a = 20, L = 80, brass	■	■	■	1320939A
	D1a = 18, D2a = 18, L = 75, plastic, black	■	■	■	1321001A
	D1a = 20, D2a = 10, L = 75, steel, corrosion-resistant	■	■	■	1319846A
	D1a = 20, D2a = 15, L = 75, steel, corrosion-resistant	■	■	■	1319290A
	D1a = 20, D2a = 18, L = 80, brass	■	■	■	1320356A
	D1a = 20, D2a = 20, L = 75, brass	■	■	■	1319602A
	D1a = 20, D2a = 25, L = 100, aluminium	■	■	■	1328140B
		Connecting pipe			
L = 63					
D1a = 15, D2a = 18, 10 pieces, black		■	■	■	1321125A
D1a = 15, D2a = 18, plastic, 20 pieces, black		■	■	■	9005813B
D1a = 15, D2a = 20, plastic, 10 pieces, black		■	■	■	1321000A
D1a = 17, D2a = 20, plastic, black		■	■	■	1320143A
D1a = 18, D2a = 18, plastic, 2 pieces		■	■	■	1322834A
D1a = 18, D2a = 18, plastic, 10 pieces, black		■	■	■	9006211A
D1a = 18, D2a = 20, plastic, 2 pieces		■	■	■	9029195A
D1a = 18, D2a = 20, plastic, 10 pieces, black		■	■	■	9005819C
D1a = 18, D2a = 22, plastic, black		■	■	■	1320155A
	Connecting pipe				
	plastic, black				
	Da 18/18 mm, 5 pieces	■	■	■	1321082A
	Da 18/20 mm	■	■	■	1322277A

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

Valve


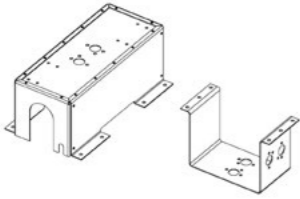
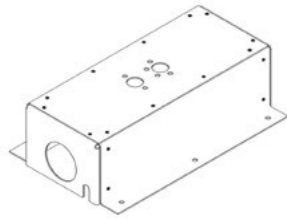
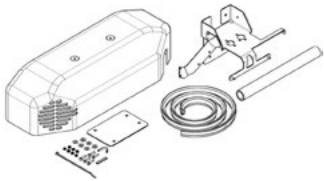
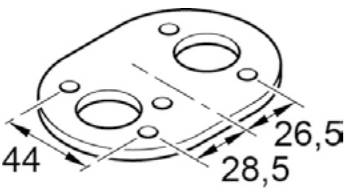
	eThermo Top Eco 20 P/30 P	Thermo Top Evo	Thermo Pro 90	Order number
	3/2 way magnetic valve			
	incl. socket housing 2-pin, 2 seals, 2 bushing contacts, 2 EJOT-PT-screws, for 18 mm hose			1328173A
	3/2 way magnetic valve			
	incl. socket housing 2-pin, 2 seals, 2 bushing contacts, 2 EJOT-PT-screws, for 18 mm hose			1328168A
	Check valve			
	plastic, with leak hole, black			
	Da = 15, L = 104	■	■	1320239A
	Da = 18, L = 90	■	■	1319250A
	Check valve			
	plastic, without leak hole, black			
	Da = 10, L = 59	■	■	1320838A
	Da = 15, L = 104	■	■	1320240A
	Da = 18, L = 100	■	■	1319484A
Da = 20, L = 120	■	■	1319554A	
	Check valve			
	L = 94			
	Da = 18, H = 42	■	■	1327550A
	Da = 20, H = 43	■	■	1327551A

Valve

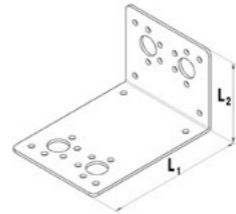
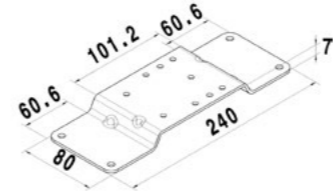
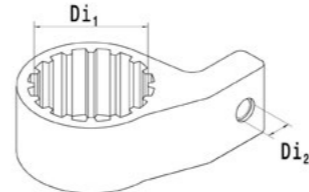
	eThermo Top Eco 20 P/30 P	Thermo Top Evo	Thermo Pro 90	Order number
	Check valve			
	Da = 18, L = 94, H = 52, double check valve ball-type T			1327549A
	Check valve			
	Da = 18, L = 94, H = 46, double check valve ball-type for heater connection			9043408A

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

Mounting Parts

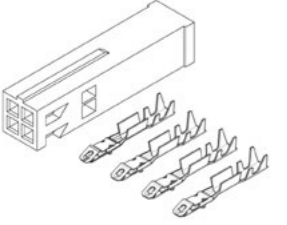
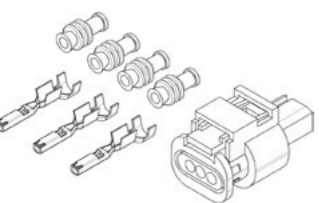


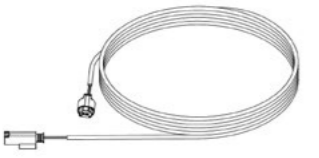
	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
 <p>Installation box steel, enables additional installation options, with mounting parts and heating air adapter</p>	■				86032A
 <p>Installation box steel, with mounting parts</p>		■			9016392B
 <p>Installation box steel, with mounting parts</p>	■				1311609B
 <p>Air Top box metal / plastic, for front mounting air heaters on commercial vehicle bodies, with holder and mounting parts</p>	■	■			9005942B
 <p>Reinforcement plate stainless steel, for reinforcement on thin body panels</p>	■	■			1320995A

Mounting Parts

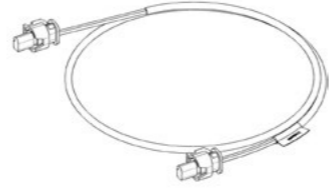

	Air Top 2000 STC	Air Top Evo 40/55	Thermo Top Evo	Thermo Pro 90	Order number
 <p>Heater bracket L1 = 157, L2 = 112, W = 130, stainless steel 3 mm, suitable for various installation options</p>	■	■			1319936A
 <p>Heater bracket sheet metal</p>			■		1321940A
 <p>Fuel pump holder D1i = 35, D2i = 6.5, rubber, 3 pieces, black</p>	■	■	■	■	1320193A

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

Electrical Accessories

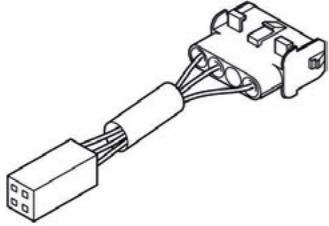
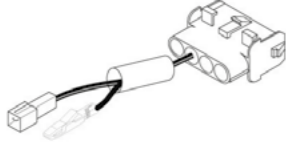
	Air Top 2000 STC	Air Top Evo 40/55	eThermo Top Eco 20 P/30 P	Thermo Top Evo	Thermo Pro 90	Order number
	Plug kit					
	4-pin plug with 4 pins, 0.1 ... 0.6 mm ²					9029703A
	Plug kit					
	plug kit for connecting coolant pump U4850 and UP500, with plug, contacts and sealings					9038468A
	Wiring harness vehicle fan					
	L = 1600					1321993A
	Expansion kit 4-pole standard plug					
	for extension cable 4 pin, for control panel, e.g. MultiControl					
	L = 1800					1319724A
	L = 3000					9031988A
	Extension wiring harness DP40/42					
	for fuel pump DP 40/42					
	L = 3000					1319526A
	L = 5000					1321836A
	L = 7000					1319527A

Electrical Accessories

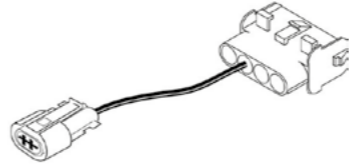
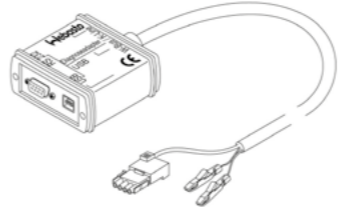
	Air Top 2000 STC	Air Top Evo 40/55	eThermo Top Eco 20 P/30 P	Thermo Top Evo	Thermo Pro 90	Order number
	Wiring harness coolant pump					
	L = 400					1320306A
	L = 600					1319967A
	L = 1500					1320307A
	Temperature sensor RVM					
	L = 2500					9037591A
	L = 5000					9037593A
	L = 2500, with plug					9030881A
	L = 5000, with plug					9030883A

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

Maintenance and Diagnostics

		Order number
	Adapter cable, PC diagnosis for diagnosis via 4-pin control connector, also for upgrade kit	1319503A
	Adapter cable, PC diagnosis for Thermo Top C, Thermo Top 98, Air Top 2000, Air Top 2000 S, Air Top 2000 ST	1319943A

Maintenance and Diagnostics

		Order number
	Adapter cable, PC diagnosis for Air Top 2000 ST, Air Top 3500 ST, Air Top 5000 ST	1319940A
	PC diagnosis kit for Webasto heating devices, USB port, for Windows operating system	1320920A

Please refer to our separate heating product catalog for our full range of accessories (see also page 9).



Hybrid and Gas only Solutions

Hybrid Solutions	80
Gas only Solutions	82

Hybrid and Gas only Solutions

With the innovative Products by Webasto

Gas only Solution

Gas/Gas Electric



Heat Air

Gas/Gas Electric



Expanse Water Heater

Hybrid Solution

Diesel



Air Top 2000 STC

Diesel



Air Top Evo 40/55

Gas/Gas Electric



Expanse Water Heater



Hybrid Solutions

Hybrid 3, 5 and 7

Three smart solutions

Choose between our Hybrid 3, Hybrid 5 and Hybrid 7:

- Hybrid 3: heat output 2 kW (Air Top 2000 STC) + 1.35 kW (Expanse water heater): compact solution for campervans
- Hybrid 5: heat output 4 kW (Air Top Evo 40) + 1.35 kW (Expanse water heater)
- Hybrid 7: heat output 5.5 kW (Air Top Evo 55) + 1.35 kW (Expanse water heater)
- Hybrid 3, 5 and 7 can be combined with an additional electrical heater for water heating: Hybrid 3 E, Hybrid 5 E and Hybrid 7 E



The advantages of Hybrid Solutions:

- Compact diesel-fueled space heating and gas-fueled hot water heating
- Flexible installation onboard or underfloor
- Gas-fueled water heating optionally available with electric auxiliary heating when connected to mains voltage
- Space-saving air distribution with only 60 mm diameter available for compact vehicles (Hybrid 3)

Expanse Water Heater

Scopes of delivery



The advantages of the Expanse water heater:

- Underfloor or onboard installation possible
- Fast heat up and reheat
- Robust design
- Gas and electric power options
- Compact and lightweight

Order numbers scope of delivery:

Expanse Gas water heater underfloor	WHSETWL8211A
Expanse Gas Elec water heater underfloor	WHSETWL8212A
Expanse Gas water heater onboard	WHSETWL8201A
Expanse Gas Elec water heater onboard	WHSETWL8202A

* KTW certification available for all Expanse water heaters.

Technical specifications

	Air Top (Diesel) + Whale Expanse gas only water heater			Air Top (Diesel) + Whale Expanse gas electric water heater		
	Hybrid 3	Hybrid 5	Hybrid 7	Hybrid 3 E	Hybrid 5 E	Hybrid 7 E
Heating power (kW)						
Cabin air heater	0.9 – 2.0	1.5 – 4	1.5 – 5.5	0.9 – 2.0	1.5 – 4	1.5 – 5.5
Water heater	1.35	1.35	1.35	1.35	1.35	1.35
Gas (kW)	1.35	1.35	1.35	1.35	1.35	1.35
Electric (kW)	–	–	–	0.75/1.5	0.75/1.5	0.75/1.5
Diesel consumption (l/h)	0.12 – 0.24	0.18 – 0.49	0.18 – 0.67	0.12 – 0.24	0.18 – 0.49	0.18 – 0.67
Gas consumption (g/h)	98	98	98	98	98	98
Rated voltage (V)	12	12	12	12	12	12
Rated power consumption						
Cabin air heater (W)	15 – 30	15 – 55	15 – 130	15 – 30	15 – 55	15 – 130
Water heater (A)	max. 0.48	max. 0.48	max. 0.48	max. 0.48	max. 0.48	max. 0.48
Air flow (m³/h)	93	140	220	93	140	220
Water capacity (l)	8	8	8	8	8	8
Approximate water heat up times (15 to 70 °C) (min.)	26	26	26	26	26	26
Dimensions L x W x H (mm)						
Cabin air heater	310 x 120 x 118	423 x 148 x 162	423 x 148 x 162	310 x 120 x 118	423 x 148 x 162	423 x 148 x 162
Water heater	522 x 262 x 180	522 x 262 x 180	522 x 262 x 180	522 x 262 x 180	522 x 262 x 180	522 x 262 x 180
Weight (kg)						
Cabin air heater	2.6	5.9	5.9	2.6	5.9	5.9
Water heater	4.0 – 4.5	4.0 – 4.5	4.0 – 4.5	4.0 – 4.5	4.0 – 4.5	4.0 – 4.5

SOD Expanse Underfloor	SOD Expanse Onboard	Description
■		Water heater 8 L – underfloor model, (1.)
	■	Water heater 8 L – onboard model, (2.)
■	■	Wiring harness 7 m control panel to heater & 12 V harness
■	■	2 m exhaust kit
■	■	3 off exhaust brackets, 100, 80 and 60 mm
■	■	Vacuum relief valve
	■	Drain pipe (5.)
■	■	Installation & operating instruction
■	■	LIN "Heat Control" panel Gas Only, depending on heater selection (3.)
■	■	LIN "Heat Control" panel Gas & Electric, depending on heater selection (4.)

For order numbers of Air Top Evo 2000 STC, Air Top Evo 40 and Air Top Evo 55 please refer to pages 22 – 27 in this catalog. Please contact Webasto sales partners for Whale spare part inquiries.

Gas only Solutions

Advantages and Specifications

Heat Air

Webasto and Whale worked together to develop a gas Air heater which is very silent, compact, lightweight and offers almost the same dimensions as the Webasto Air Top Evo.

Gas



Heat Air 3 GT/4 G/5 GT

or

Gas Electric



Heat Air 5 GTE/6 GTE

+



Expanse water heater

Technical specifications

	Gas + electric solution				
	Heat Air 3 GT + Expanse	Heat Air 4 G + Expanse	Heat Air 5 GT + Expanse	Heat Air 5 GTE + Expanse	Heat Air 6 GTE + Expanse
Heating power (kW)					
Cabin air heater Gas	1.4, 3.3	1.4, 2.8, 4.1	1.6, 4.0, 5.0	1.4, 2.8, 4.1	1.6, 4.0, 5.0
Cabin air heater Electric	-	-	-	0.75, 1.50, 3.00	0.75, 1.50, 3.00
Cabin air heater Combined	-	-	-	4.3	5.5
Water heater	1.35	1.35	1.35	1.35	1.35
Gas only (kW)	1.35	1.35	1.35	1.35	1.35
Gas electric (kW)	0.75/1.5	0.75/1.5	0.75/1.5	0.75/1.5	0.75/1.5
Gas consumption (g/h)					
Cabin air heater	109, 239	109, 233, 342	131, 342, 436	109, 233, 342	131, 342, 436
Water heater	98	98	98	98	98
Rated voltage (V)	12 DC	12 DC	12 DC	12 DC/230 AC	12 DC/230 AC
Rated power consumption					
Cabin air heater (A)	0.6 – 2.5	0.6 – 3.3	0.6 – 6.5	0.6 – 3.3	0.6 – 6.5
Cabin air heater (W)				3.3, 6.6, 13.0	3.3, 6.6, 13.0
Water heater (A)	max. 0.48	max. 0.48	max. 0.48	max. 0.48	max. 0.48
Air flow (m³/h)	150	140	220	220	220
Water capacity (l)	8	8	8	8	8
Approximate water heat up times (15 to 70 °C) (min.)	26	26	26	26	26
Dimensions L x W x H (mm)					
Cabin air heater	469 x 165 x 175	469 x 165 x 175	469 x 165 x 175	559 x 165 x 175	559 x 165 x 175
Water heater	522 x 262 x 229	522 x 262 x 229	522 x 262 x 229	522 x 262 x 229	522 x 262 x 229
Weight (kg)					
Cabin air heater	5.9	5.5	5.9	8.7	8.7
Water heater	4.0 – 4.5	4.0 – 4.5	4.0 – 4.5	4.0 – 4.5	4.0 – 4.5

The advantages of the Heat Air:

- Compact, space saving heating solution with narrow rotatable design
- Installed underfloor, maximizing valuable living and storage space
- Interchangeability with the Webasto Air Top Evo
- Suitable for caravans, motorhomes and camper vans
- Available as Gas only or Gas Electric version

Heat Air

Scopes of delivery

Heat Air 3 GT



Heat Air 4 G & 5 GT/5 GTE & 6 GTE



SOD Heat Air 3 GT	SOD Heat Air 4 G & 5 GT	SOD Heat Air 5 GTE & 6 GTE	Description
■			Space heater Heat Air 3 GT
	■		Space heater Heat Air 4 G or Heat Air 5 GT
		■	Space heater Heat Air 5 GTE or Heat Air 6 GTE
■	■		LIN "Heat Control" panel Gas Only
		■	LIN "Heat Control" panel Gas & Electric
■	■	■	RJ12 cable 7 m, control panel to heater with female coupler
	■	■	Standard installation bracket including 4 isolation mounts (Z bracket)
■			2 off reducers 90 to 65 mm
	■	■	1.75 m or 2 m exhaust pipe, 0.25 m intake, silencer with mounting bracket, terminal and 2 clamps
■			3 off exhaust brackets, 1 off 80 mm and 2 off 60 mm
	■	■	4 off exhaust brackets: 1 off 80 mm, 1 off 60 mm and 2 off 40 mm
■	■	■	Installation & operating instruction

1

Order numbers scope of delivery:

Heat Air 3 GT (gas only) **WHSETSL3511A**

2

Accessories (mandatory)

One installation bracket, to be ordered separately:

Standard Z Bracket **WHAK1819B**

Ford Custom Bracket **WHAK1820B**

VW T5/T6 Bracket **WHAK1818B**

1

Order numbers scope of delivery:

(Standard Z Bracket included)

Heat Air 4 G (gas only) **WHSETSL5511A**

Heat Air 5 GT (gas only) **WHSETSL6511A**

1

Order numbers scope of delivery:

(Standard Z Bracket included)

Heat Air 5 GTE (gas electric) **WHSETSL5512A**

Heat Air 6 GTE (gas electric) **WHSETSL7512A**

2

Accessories (optional)

Relay handbrake bracket for Fiat Ducato, Peugeot Boxer and Citroen **WHAK1821B**

Please contact Webasto sales partners for Whale spare part inquiries.



Cooling Solutions

Cool Top Trail Air-Conditioner	86
BlueCool Drive 40	90
Compressor Refrigeration for RV	92
Isotherm Energy Saving Technology	96
Cruise Elegance Refrigerators	100
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Special Refrigeration Projects	114

Rooftop Air-Conditioning Systems

Cool Top Trail 20/24/28

New
Cool Top Trail 28

An ideal climate with rooftop air-conditioning

The smallest models of the Cool Top Trail family are suitable for use in parked motorhomes and caravans of up to 8 m length. With their generously sized heat exchangers they have a high efficiency and high performance. Their reliability and high cooling capacity has already been proven in very hot Australian summers with up to 50 °C outside temperatures. The units come with heat pump function as a standard which is also very powerful, working in cold outside temperatures of as low as -5 °C. Very low noise levels allow you to rest and relax inside the vehicle and do not disturb your neighbors in the RV campsite. The use of high-quality components ensures a long lifetime with a minimum expenditure on maintenance. Made from UV stabilized polypropylene, the housing of the units is robust but still lightweight. The units can be operated with an easy to handle remote control which allows the user to access all air conditioner functions from the comfort of the dining area, seat or bed. Besides cooling and heating the units include various extra features such as dehumidification, timer and sleep function. Cool Top Trail air conditioners are delivered with a mounting frame for roof openings of 400 x 400 mm. For the use in smaller cut-outs of 360 x 360 mm an alternative adaptor frame is available as accessory.

The advantages of the Cool Top Trail 20/24/28

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



Control element

Comfortable adjustment via remote control

Technical specifications

	Cool Top Trail 20	Cool Top Trail 24	Cool Top Trail 28
Cooling capacity (W)	2,000	2,400	2,800
Heating capacity (W)	2,000	2,400	2,600
Rated voltage/frequency (V)/(Hz)	230~/50	230~/50	230~/50
Rated current (cooling mode)	3.0	4.2	5.0
Rated current (heating mode)	2.6	3.8	4.8
Operating temperature range (°C)	-5 to 50	-5 to 50	-5 to 50
Current draw start max. peak (A)	20.6	26.9	23.2
Current draw RMS40* (A)	13.8	17.7	17.5
Current draw RMS300** (A)	9.7	10.5	9.1
Roof thickness (mm)	25 to 85	25 to 85	25 to 70
Roof cut-out (mm)	400 x 400 (360 x 360 with optional adaptor frame)	400 x 400 (360 x 360 with optional adaptor frame)	"400 x 400 (360 x 360 with optional adaptor frame)"
Dimensions outdoor unit (mm)	1,002 x 566 x 215	1,002 x 566 x 215	855 x 657 x 215
Dimensions indoor unit (mm)	557 x 536 x 43	557 x 536 x 43	575 x 556 x 49
Weight total (kg)	30.8	31.8	35.5

* Starting amperage RMS (Root Mean Square) for first 40 ms
** Starting amperage RMS (Root Mean Square) for first 300 ms



Scopes of delivery



Cool Top Trail Indoor Unit

- Indoor unit
- Adaptor frame 400 x 400 mm
- Remote control and holder
- Template for indoor unit
- Mounting kit

Cool Top Trail Outdoor Unit

- Outdoor unit
- Installation instructions
- Template for outdoor unit



Cool Top Trail 20/24



Cool Top Trail 28

1 Order number

Cool Top Trail 20 Outdoor Unit	HGN47480001
Cool Top Trail 24 Outdoor Unit	HGN47280003
Cool Top Trail 20/24 Indoor Unit	HGN47290004
400 x 400 mm	
Cool Top Trail 28-34 Indoor Unit	HGN47090009
400 x 400 mm	
Cool Top Trail 28 Outdoor Unit	HGN74880001

2 Accessories (optional)

For the installation of the air conditioner when rooftop cut-out is 36 x 36 cm.
Adaptor frame 36 x 36 cm **HGN36100007**

3 Electrical power supply

For the connection to the vehicle's 230 V system the installer will have to provide a circuit breaker and possibly a residual current device as well as a power supply cable.

Rooftop Air-Conditioning Systems

Cool Top Trail 34/35



Powerful rooftop air-conditioning

This powerful model of the Cool Top Trail family is suitable for use in parked motorhomes and caravans of over 8 m length. With its generously sized heat exchangers it has a high efficiency and high performance. Its reliability and high cooling capacity has already been proven in very hot Australian summers with up to 50 °C outside temperatures. The unit comes with heat pump function as a standard which is also very powerful, working in cold outside temperatures of as low as -5 °C. Very low noise levels allow you to rest and relax inside the vehicle and do not disturb your neighbors in the RV campsite. The use of high-quality components ensures a long lifetime with a minimum expenditure on maintenance. Made from UV stabilized polypropylene, the housing of the unit is robust but still lightweight. The unit can be operated with an easy to handle remote control which allows the user to access all air conditioner functions from the comfort of the dining area, seat or bed. Besides cooling and heating the unit includes various extra features such as dehumidification, timer and sleep function. Cool Top Trail air conditioners are delivered with a mounting frame for roof openings of 400 x 400 mm. For the use in smaller cut-outs of 360 x 360 mm an alternative adaptor frame is available as accessory.

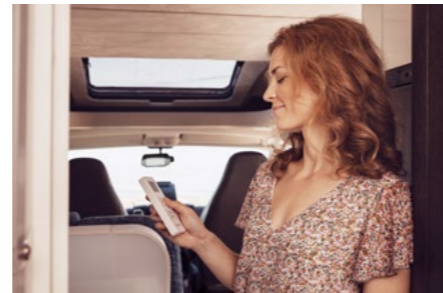


Control element

Comfortable adjustment via remote control

The advantages of the Cool Top Trail 34/35

- Powerful rooftop air conditioner with highest cooling and heating capacity in the range
- Robust, lightweight and low noise
- Wide operating range from -5 to 50 °C
- Low profile and compact design
- Easy installation



Technical specifications

	Cool Top Trail 34	Cool Top Trail 35
Cooling capacity (W)	3,400	3,500
Heating capacity (W)	3,000	3,500
Nominal voltage/frequency (V)/(Hz)	230~/50	230~/50
Rated current (cooling mode)	5.8	5.6
Rated current (heating mode)	5.4	5.2
Operating temperature range (°C)	-5 to 50	-5 to 50
Current draw start max. peak (A)	32.1	29.5
Current draw RMS40* (A)	24.2	21.9
Current draw RMS300** (A)	13.7	10.7
Roof thickness (mm)	25 to 70	25 to 70
Roof cut-out (mm)	400 x 400 (360 x 360 with optional adaptor frame)	400 x 400 (360 x 360 with optional adaptor frame)
Dimensions outdoor unit (mm)	1,122 x 850 x 223	998 x 680 x 340
Dimensions indoor unit (mm)	575 x 556 x 49	557 x 536 x 43
Weight total (kg)	48	38.3

* Starting amperage RMS (Root Mean Square) for first 40 ms

** Starting amperage RMS (Root Mean Square) for first 300 ms

Scopes of delivery



Cool Top Trail Indoor Unit

- Indoor unit
- Adaptor frame 400 x 400 mm
- Remote control and holder
- Template for indoor unit
- Mounting kit

Cool Top Trail Outdoor Unit

- Outdoor unit
- Installation instructions
- Template for outdoor unit



Cool Top Trail 34



Cool Top Trail 35

1 Order number	
Cool Top Trail 28-34 Indoor Unit 400 x 400 mm	HGN47090009
Cool Top Trail 34 Outdoor Unit	HGN47080009
Cool Top Trail 35 Indoor Unit 400 x 400 mm	HGN73390001
Cool Top Trail 35 Outdoor Unit	HGN73380001

2 Accessories (optional)	
For the installation of the air conditioner when rooftop cut-out is 36 x 36 cm.	
Adaptor frame 36 x 36 cm	HGN36100007

3 **Electrical power supply**
For the connection to the vehicle's 230 V system the installer will have to provide a circuit breaker and possibly a residual current device as well as a power supply cable.

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 refrigerant 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



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

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

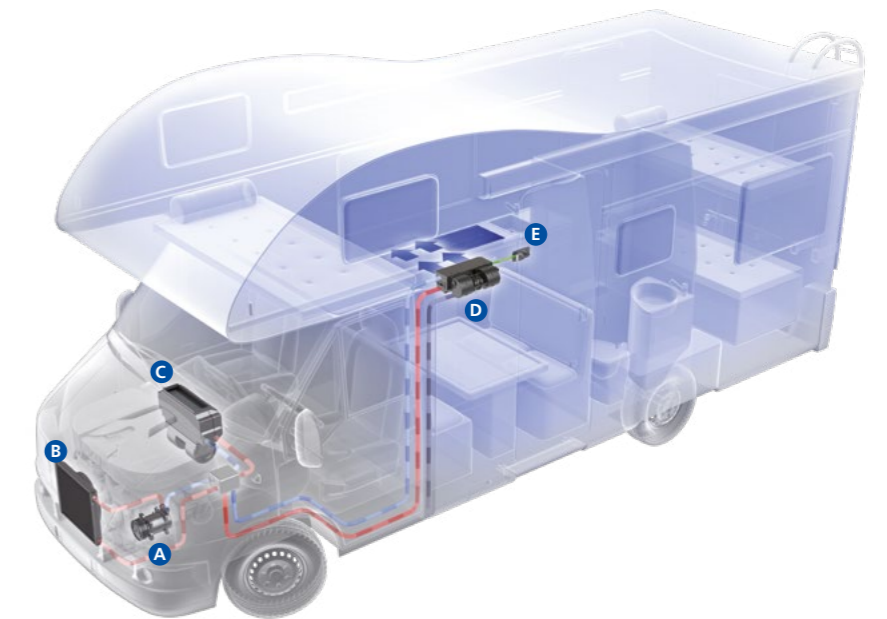
Order number

BlueCool Drive 40

Extension Kit Fiat Ducato
Extension Kit Ford Transit

621ZS98400B
6234448A

The Blue Cool Drive can be installed in all chassis which are equipped with an own air conditioning system. The system is not suitable for use with refrigerant type R1234yf.



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 **C** which also cools the driver's cab.
- 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 **E** in which they can choose from blower levels 0, 1, 2 or 3.

Please refer to our separate accessories catalog for our full range of extension kits and chassis.



Compressor Refrigeration for RV



Why compressor fridges for RV?

- Nowadays, people want comfort like at home, to enjoy any type of food, cold drinks, ice cream... whatever the ambient temperature is. Only compressor technology can guarantee 100% fulfillment of these expectations, especially in summer (>32 °C).
- Technology of DC compressors has improved a lot in the past 10 years and offers now very silent, low consumption, 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 the convenient automatic AC/DC switch capability, you no longer have any inconveniences as compared to absorption fridges, which especially in caravans is a great advantage.

Isotherm: A long history of quality in mobile compressor refrigeration

The international strong reputation of the Isotherm 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 Isotherm also offers a very wide range of standard fridges, drawer fridges, cooling boxes and other refrigeration products. Isotherm 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

Compressor Technology

Powerful Refrigeration

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



Freeline 115 Elegance

Why compressor fridges for motorhomes and caravans?

Nowadays, people want comfort like at home, to enjoy any type of food, cold drinks, ice cream... whatever the ambient temperature is.

Only compressor technology can guarantee 100% fulfillment of these expectations, especially in summer (>32 °C).

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

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

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

The advantages of compressor cooling at a glance:

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

Product highlights

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

Vent lock system



With a simple slide of the invisible mechanism, CRUISE Elegance fridges can be switched to ventilation status. The door is kept open while the fridge is out of operation.

Easy fit installation solution



The installation system allows an easy fixing of the cabinet directly from the interior of the fridge. An external flange is not necessary for the installation. An innovative internal bushing structure prevents the crushing of the insulated side wall.



Experts' tip

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

Cooling Technology

Isotherm Intelligent Temperature Control



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



The benefits at a glance:

- Available as retrofit kit or originally fitted on the fridge
- Up to 25 % energy savings due to a more efficient use of the compressor
- Up to 40 % savings with combined effects of stored cooling energy in food and drinks
- Quick cooling in boost mode
- Soft start to avoid starting peaks
- Eco mode
- Easy to set battery protection directly on the display

Cooling Technology

Smart Energy Control



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

Once either the set temperature or the min. temperature (1°C) is reached, the compressor will keep this temperature level by running at minimum speed with extremely low power consumption.

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

Order number	Description
SED00033AA	Smart Energy Control Kit (potentiometer, temperature sensor & SEC module)



Dedicated air sensor continuously measures the cabinet air temperature



Potentiometer activates the Isotherm Smart Energy Control mode



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

Multiple benefits from a simple kit:

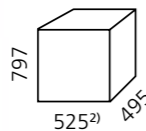
- Up to 35 % energy savings due to a more efficient use of the compressor
- Up to 50 % savings with combined effects of stored cooling energy in food and drinks
- No need for eutectic plates/special storage devices
- Easy to retrofit
- Quick cooling in boost mode

Freeline Elegance Fridges

Freeline 115 Elegance

The Isotherm Freeline 115 Elegance represents an evolution of the Elegance line, created especially for the recreational vehicle market with efficiency and performance in mind. Characterized by supreme insulation and smart energy usage, the Freeline 115 reaches noticeable electrical efficiency. A spacious cabinet – comprised of a 83 liter fridge and a 32 liter freezer – makes for the optimal usage of space inside the vehicle and allows for perfect travel comfort.

Energy saving – Best in class.



Isotherm Freeline 115		
	static	ventilated
Gross Volume (l)/Freezer (l)	115/32	
Dimensions H x W x D (+ door) (mm)	797 x 525 ²⁾ x 495 Door's depth (to be added) (+ 50)	801 x 525 ²⁾ x 520 Door's depth (to be added) (+ 50)
Weight (kg)	29	
Power consumption (Wh/24 h)	363 ¹⁾	267 ¹⁾

Order number	Description
F115RSAAS11111AARV	115 l fridge, silver DC 12 V/24 V, right hinged, ventilated condenser
F115LSAAS11111AARV	115 l fridge, silver DC 12 V/24 V, left hinged, ventilated condenser

Designed to set new standards in the recreational vehicle market:

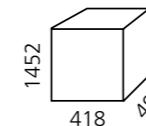
- Low power consumption
- Full width freezer design
- Elegance line features like easy fix, vent-lock system, custom panel options
- Modern, flush mounted control panel incl. LED light and blinking codes for failure display
- ECO function to store "cooling energy" when surplus of power is available
- Optimal usage of space

1) Power consumption in operation in 12 V with + 5 °C in the refrigeration space, ambient temperature + 25 °C (ISO 15502:2005 and EN 153:2006).
2) If the fridge front is flush integrated with the interior a minimum gap of 6 mm is needed between the door stop and the furniture.

Freeline Elegance Fridges

Freeline Slim 140

The Freeline Slim 140 fridge is particularly designed for the van market. With its tall but slim dimensions it is particularly suitable for compact vehicles which still need a comfortable fridge volume. Its excellent insulation ensures very low energy consumption to save batteries. Clever control features like "Silent Night" and "SMART" provide higher comfort on demand. The CI bus interface allows to integrate the fridge into a central monitoring system. A powerful 141 liter compressor refrigerator.



Freeline Slim 140	
Gross Volume (l)/Freezer (l)	141/17
Dimensions H x W x D (mm)	1452 x 418 x 490
Weight (kg)	38
Power consumption (Wh/24 h)	450 ¹⁾

Order number	Description
IRF140RGABB11211AA	Refrigerator Freeline Slim 140 12/24 V Static

A best in class fridge freezer combination for vans with spacious interior:

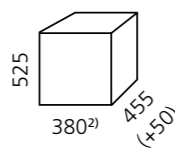
- Spacious 141 liter total volume
- Comfortable 17 liter freezer compartment
- Slim design and dimensions specially suitable for vans
- Very low electrical power consumption
- CI Bus ready
- Door panels easily exchangeable to customize fridge
- Comfort and power saving functions like "silent night" and "SMART"
- Environmentally friendly refrigerant gas with very low GWP of 3
- Modern, intuitive control panel incl. blinking codes for diagnosis

1) Power consumption in operation in 12 V with + 5 °C in the refrigeration space, ambient temperature + 25 °C (ISO 15502:2005 and EN 153:2006).
Consumption can be further optimized by the use of the SMART function.

CRUISE Elegance Fridges

CRUISE EL 42, 49

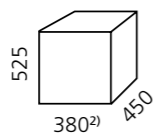
The CR EL 42 is the smallest fridge of the CRUISE Elegance line. The fridge features a new inner lining with one adjustable shelf and two retainers inside the door, as well as a freezer compartment with a volume of 4 liters with magnetic steel evaporator door. The compressor, installed on the back of the cabinet, can be removed up to 1 mt. away.



Isotherm CRUISE EL 42	
Gross Volume (l)/Freezer (l)	42/4
Dimensions H x W x D (+ door) (mm)	525 x 380 ²⁾ x 348 (+107) (+50) ³⁾⁴⁾⁵⁾
Weight (kg)	13.5
Power consumption (Wh/24 h)	285 ¹⁾

Order number	Description
C042RSAAS11111AARV	42 l fridge, silver DC 12 V/24 V, right hinged
C042LSAAS11111AARV	42 l fridge, silver, DC 12 V/24 V, left hinged

The CR EL 49 features an inner lining with one adjustable shelf and two retainers inside the door, as well as a freezer compartment with a volume of 4 liters with magnetic steel evaporator door.



Isotherm CRUISE EL 49	
Gross Volume (l)/Freezer (l)	49/4
Dimensions H x W x D (+ door) (mm)	525 x 380 ²⁾ x 450 (+50)
Weight (kg)	16
Power consumption (Wh/24 h)	265 ¹⁾

Order number	Description
C049RSAAS11111AARV	49 l fridge, silver DC 12 V/24 V, right hinged
C049LSAAS11111AARV	49 l fridge, silver DC 12 V/24 V, left hinged
C049RSAAS11151AARV	49 l fridge, silver DC 12 V/24 V, right hinged, Smart Energy Control

1) Power consumption can be reduced with Smart Energy Control dramatically. Power consumption in operation in 12 V with + 5°C in the refrigeration space, ambient temperature + 25°C (ISO 15502:2005 and EN 153:2006).

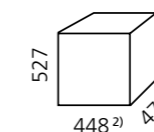
2) If the fridge front is flush integrated with the interior a minimum gap of 6 mm is needed between the door stop and the furniture.

3) Depth of cabinet 348 mm 4) Remote compressor +107 mm 5) Door thickness +50 mm

CRUISE Elegance Fridges

CRUISE EL 65, 85

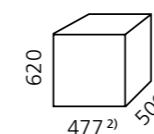
The CR EL 65 fridge is based on the same inner lining as the CR 49 EL including one adjustable shelf and two retainers inside the door. It also features a freezer compartment with a volume of 4 liters. Magnetic stainless steel evaporator's door.



Isotherm CRUISE EL 65	
Gross Volume (l)/Freezer (l)	65/4
Dimensions H x W x D (+ door) (mm)	527 x 450 ²⁾ x 470 (+50)
Weight (kg)	17
Power consumption (Wh/24 h)	275 ¹⁾

Order number	Description
C065RSAAS11111AARV	65 l fridge, silver DC 12 V/24 V, right hinged
C065LSAAS11111AARV	65 l fridge, silver DC 12 V/24 V, left hinged
C065RSAAS11151AARV	65 l fridge, silver DC 12 V/24 V, right hinged, Smart Energy Control

The CR EL 85 provides the customer a 6 liter freezer compartment, two adjustable shelves and two retainers inside the door. It is ready for Isotherm Smart Energy Control, like all other CRUISE Elegance fridges. Magnetic stainless steel evaporator's door.



Isotherm CRUISE EL 85	
Gross Volume (l)/Freezer (l)	85/6
Dimensions H x W x D (+ door) (mm)	620 x 477 ²⁾ x 500 (+50)
Weight (kg)	21
Power consumption (Wh/24 h)	368 ¹⁾

Order number	Description
C085RSAAS11111AARV	85 l fridge, silver DC 12 V/24 V, right hinged
C085LSAAS11111AARV	85 l fridge, silver DC 12 V/24 V, left hinged
C085RSAAS11151AARV	85 l fridge, silver DC 12 V/24 V, right hinged, Smart Energy Control
C085LSAAS11151AARV	85 l fridge, silver DC 12 V/24 V, left hinged, Smart Energy Control
C085RSAAW11111AARV	85 l fridge, silver DC 12 V/24 V, right hinged incl. AC 115 V/230 V kit,

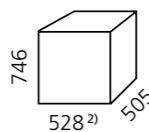
1) Power consumption can be reduced with Smart Energy Control dramatically. Power consumption in operation in 12 V with + 5°C in the refrigeration space, ambient temperature + 25°C (ISO 15502:2005 and EN 153:2006).

2) If the fridge front is flush integrated with the interior a minimum gap of 6 mm is needed between the door stop and the furniture.

CRUISE Elegance Fridges

CRUISE EL 130

The CR EL 130 features a separated freezer compartment with a volume of 6 liters, two adjustable shelves and three retainers inside the door. It is equipped with a vegetable bin covered by two glass shelves. Magnetic stainless steel evaporator's door.



Isotherm CRUISE EL 130	
Gross Volume (l)/Freezer (l)	130/6
Dimensions H x W x D (+ door) (mm)	746 x 528 ²⁾ x 505 (+ 50)
Weight (kg)	25
Power consumption (Wh/24 h)	418 ¹⁾

Order number	Description
C130RSAAS1111AARV	130 l fridge, silver DC 12 V/24 V, right hinged
IRC130LSAAS1111AA	130 l fridge, silver DC 12 V/24 V, left hinged
C130RSAAS11151AARV	130 l fridge, silver DC 12 V/24 V, right hinged, Smart Energy Control

1) Power consumption can be reduced with Smart Energy Control dramatically. Power consumption in operation in 12 V with + 5 °C in the refrigeration space, ambient temperature + 25 °C (ISO 15502:2005 and EN 153:2006).

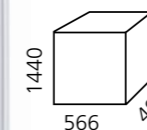
2) If the fridge front is flush integrated with the interior a minimum gap of 6 mm is needed between the door stop and the furniture.

CRUISE Silver Fridges

CRUISE 225, 280

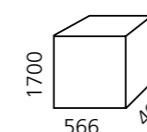
New Cruise Silver line refrigerator range composed of two models CR225 and CR280. This spacious two door fridge-freezer is ideal for big campervans, motorhomes or caravans offering on board storage for fresh and frozen consumables. They have silver painted color finishing and are available with right hand or left hand side opening.

New
CRUISE Silver Fridges
CRUISE 225, 280



Isotherm CRUISE 225	
Gross Volume (l)/Freezer (l)	183/42
Dimensions H x W x D (+ door) (mm)	1440 x 566 x 491
Weight (kg)	4
Power consumption (Wh/24 h)	630

Order number	Description
IRC225RNASP14111AA	225L FRIDGE & FREEZER CRUISE SILVER CR225/V



Isotherm CRUISE 280	
Gross Volume (l)/Freezer (l)	238/42
Dimensions H x W x D (+ door) (mm)	1700 x 566 x 491
Weight (kg)	50
Power consumption (Wh/24 h)	680

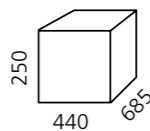
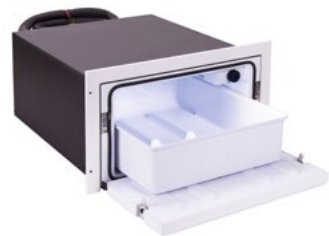
Order number	Description
IRC280RNASP14111AA	280L FRIDGE & FREEZER CRUISE SILVER CR280/V

Technical specification may change on the short basis!

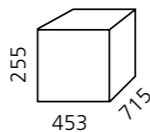
CRUISE Classic Fridges

CRUISE 36

The CR 36 is a built-in drawer fridge with unique design. Due to its compact dimensions, the CR 36 can be installed where no other fridge might fit. The compressor can be removed up to 1.20 meter away. It comes with a door and mounting frame as standard.



INOX



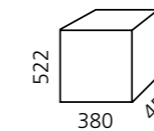
Isotherm CRUISE 36	CR 36	CR 36 INOX
Gross Volume (l)	36	
Dimensions H x W x D (+ door) (mm)	250 x 440 x 685 (+ 35)	255 x 453 x 715
Weight (kg)	15	16
Power consumption (Wh/24 h)	300 ¹⁾	

Order number	Description
1036BA1G0000RV	36 l DRAWER, white, DC 12 V/24 V
1036BA1EK0000RV	36 l DRAWER INOX, stainless steel design, DC 12 V/24 V

CRUISE Classic Fridges

CRUISE 42

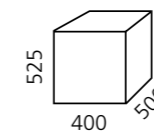
The CR EL 42 is the smallest fridge of the CRUISE Elegance line. The fridge features a new inner lining with one adjustable shelf and two retainers inside the door, as well as a 4 liter freezer compartment with magnetic steel evaporator door. The compressor, installed on the back of the cabinet, can be removed up to 1 mt. away.



Isotherm CRUISE 42	
Gross Volume (l)/Freezer (l)	42/4
Dimensions H x W x D (+ door) (mm)	522 x 380 x 452 (+ 40)
Weight (kg)	16
Power consumption (Wh/24 h)	300 ¹⁾

Order number	Description
IRC042RBABG1111AA	42 l fridge, grey door panel, DC 12 V/24 V, right hinged

The CR 42 Inox Clean Touch is the stainless steel design version of the CR 42.



Isotherm CRUISE 42 INOX CLEAN TOUCH	
Gross Volume (l)/Freezer (l)	42/4
Dimensions H x W x D (+ door) (mm)	525 x 400 x 500
Weight (kg)	17
Power consumption (Wh/24 h)	285 ¹⁾

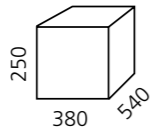
Order number	Description
C042RNEIT1111AARV	42 l fridge, INOX CLEAN TOUCH, stainless steel design, DC 12 V/24 V, right hinged with flush mounting frame

1) Power consumption in operation in 12 V with + 5°C in the refrigeration space, ambient temperature + 25°C (ISO 15502:2005 and EN 153:2006).

Drawer Fridges and Freezers

DRAWER 16, 30

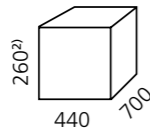
The smallest and lightest drawer unit available on the market, unique with its user friendly digital interface. It is provided with rails and door in stainless steel, painted in silver colour. It can be used as a fridge or freezer (-6°C).



Isotherm DR 16	
Gross Volume (l)	16
Dimensions H x W x D (mm)	250 x 380 x 540
Weight (kg)	14
Power consumption (Wh/24 h)	160 ¹⁾

Order number	Description
D016DSAAS12111AARV	16 l fridge or freezer, stainless steel DC 12 V/24 V

The Drawer 30 is a drawer refrigerator with a user-friendly digital interface, specified for internal applications. It is available as black version with steel rails and black painted steel door. As stainless steel version it comes with AISI 304 stainless steel rails and stainless steel door, painted in silver colour. Equipped with BD 1.4F Secop compressor, it requires minimum installation space.



Isotherm DR 30	
Gross Volume (l)	30
Dimensions H x W x D (mm)	260 x 440 x 700
Weight (kg)	18
Power consumption (Wh/24 h)	270 ¹⁾

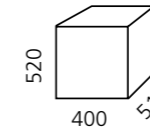
Order number	Description
IRD030DBAAB12111AA	30 l fridge, black DC 12 V/24 V
IRD030DSAAS12111AA	30 l fridge, stainless steel, DC 12 V/24 V
IRD030DWAAW12111AA	30 l fridge, white, DC 12V/24V

1) Power consumption in operation in 12 V with + 5°C in the refrigeration space, ambient temperature + 25°C (ISO 15502:2005 and EN 153:2006).
2) 250 without rubber feet.

Drawer Fridges and Freezers

DRAWER 49, 55 frost-free

The DR 49 is a space-saving drawer unit with various front door options. The interior is designed to suit international cans and food packs with two robust drawers, conventional international sizes of integrated adjustable bars, freezer compartment (-6°C) and internal blue LED light.

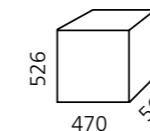


Isotherm DR 49	INOX	Without door panel
Gross Volume (l)/Freezer (l)	49/6	
Dimensions H x W x D (mm)	520 x 400 x 510	520 x 385 x 515
Weight (kg)	26	24
Power consumption (Wh/24 h)	399 ¹⁾	

Order number	Description
IRD049DNEIT11111AA	49 l DRAWER FRIDGE INOX CLEAN-TOUCH
IRD049DNLCP11111AA	49 l DRAWER FRIDGE CUSTOM
3055BH2P00015RV	55 l DRAWER, door front for individual use of an own door panel, frost-free, DC 12 V/24 V

Note: This drawer fridge is supplied with a 3-sided flush stainless steel mounting frame as standard.

The DR 55 drawer freezer combines innovative design with the most modern technology such as automatic defrost which allows having home comfort on board. The DR 55 F is equipped with an internal fan for temperature constant control and a sequence of 5 LED lights for blue internal light.



Isotherm DR 55 frost-free	INOX	Without door panel
Gross Volume (l)	55	
Dimensions H x W x D (mm)	526 x 470 x 560	525 x 455 x 570
Weight (kg)	28	26
Power consumption (Wh/24 h)	740 ¹⁾	

Order number	Description
3055BH2P00015RV	55 l DRAWER, door front for individual use of an own door panel, frost-free, DC 12 V/24 V

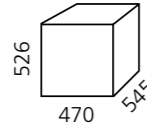
Note: This drawer freezer is supplied with a 3-sided flush stainless steel mounting frame as standard.

1) Power consumption in operation in 12 V with + 5°C in the refrigeration space, ambient temperature + 25°C (ISO 15502:2005 and EN 153:2006).

Drawer Fridges and Freezers

DRAWER 65, 85

The DR 65 is a space-saving, front-opened drawer. Its new design is based on the standard 65 liter refrigerator but with a pull-out drawer featuring an innovative interior concept with bins, bottle racks and a freezer compartment (-6°C). A sequence of 5 LED lights provides blue internal light. Available as stainless steel INOX version and also with additional frost free technology.

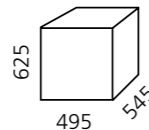


Isotherm DR 65	INOX	Without door panel
Gross Volume (l)	65	
Dimensions H x W x D (mm)	526 x 470 x 545	525 x 455 x 550
Frost-free version (mm)	526 x 470 x 560	525 x 455 x 570
Weight (kg)	30	28
Power consumption (Wh/24 h)	470	
Frost-free version	320 ¹⁾	

Order number	Description
3065BG2C0000RV	65 l DRAWER REFR INOX DR65L_ 12 V/24 V NO FROST
IRD065DNEIT11111AA	65 l DRAWER FRIDGE INOX CLEAN-TOUCH
D085DNEIA11111AARV	85 l DRAWER INOX, stainless steel design, DC 12 V/24 V
D130DNEIA11111AARV	130 l DRAWER INOX, stainless steel design, DC 12 V/24 V

Note: This drawer fridge is supplied with a 3-sided flush stainless steel mounting frame as standard.

The DR 85 Inox is a drawer refrigerator in stainless steel design providing a gross internal volume of 85L. The main drawerdoor mechanism is the top quality Isotherm solution, capable to ensure safe and large storage for food and drinks. A bottle rack is provided on the main counter door. Two inner drawers are available to ensure the maximum usability as well as great storage, with the top one as freezer compartment (-6 °C).



Isotherm DR 85 INOX	
Gross Volume (l)/Freezer (l)	85/9
Dimensions H x W x D (mm)	625 x 495 x 545
Weight (kg)	32
Power consumption (Wh/24 h)	396 ¹⁾

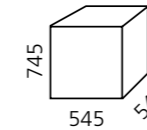
Order number	Description
D085DNEIA11111AARV	85 l DRAWER INOX, stainless steel design, DC 12 V/24 V

Note: This drawer fridge is supplied with a 3-sided flush stainless steel mounting frame as standard.

Drawer Fridges and Freezers

DRAWER 130

The DR 130 Inox is a drawer refrigerator in stainless steel design providing a gross internal volume of 130L. The main drawer mechanism is the top quality Isotherm solution, capable to ensure safe and large storage for food and drinks. A bottle rack and a patented modular shelves disposal are provided on the main counter door. Two inner drawers are available to ensure the maximum usability as well as great storage, with the top one as freezer compartment (-6°C).



Isotherm DR 130 INOX	
Gross Volume (l)/Freezer (l)	130/10
Dimensions H x W x D (mm)	745 x 545 x 545
Weight (kg)	35
Power consumption (Wh/24 h)	436 ¹⁾

Order number	Description
D130DNEIA11111AARV	130 l DRAWER INOX, stainless steel design, DC 12 V/24 V

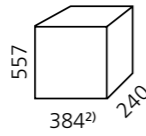
Note: This drawer fridge is supplied with a 3-sided flush stainless steel mounting frame as standard.

¹⁾ Power consumption in operation in 12 V with + 5 °C in the refrigeration space, ambient temperature + 25 °C (ISO 15502:2005 and EN 153:2006).

Cooling Boxes – For Installation

BI 16, 29 Dual, 30, 36

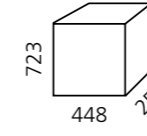
The BI 16 is a refrigerator box equipped with the space saving Secop BD Micro compressor solution. The upper lid with inner recess allows big bottles storage. Temperature range 0°C to +10°C. It combines great usability to high development standards, thanks to its easy to use digital display and to a splash proof IPX5 front protection.



Isotherm BI 16	
Gross Volume (l)	16
Dimensions H x W x D (mm)	557 x 384 ²⁾ x 240
Weight (kg)	11.9
Power consumption (Wh/24 h)	165 ¹⁾

Order number	Description
B016TNAAB12111AARV	16 l cooling box, DC 12 V/24 V

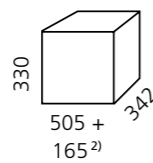
The BI 30 is a top loading refrigerator box equipped with a digital display, an internal basket and an easy-fix system. Temperature range from 0°C to +10°C. It combines great usability to high development standards.



Isotherm BI 30	
Gross Volume (l)	30
Dimensions H x W x D (mm)	723 x 448 x 250
Weight (kg)	18
Power consumption (Wh/24 h)	265

Order number	Description
IRB030TNAAB12111AA	30 l cooling box, black door, DC 12 V/24 V

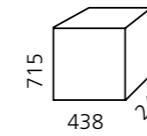
The BI 29 is a refrigerator or freezer box with stainless steel inner lining and plastic bottom section. It offers a range of +10 °C to -12 °C. Equipped with roller slides (optional) the box can be used as a drawer. The compressor can be removed up to 1.1 meter away.



Isotherm BI 29 Dual	
Gross Volume (l)	29
Dimensions H x W x D (mm)	330 (+ 40mm for lid) x 342 x 505 + 165 ²⁾
Weight (kg)	18
Power consumption (Wh/24 h)	250 ¹⁾

Order number	Description
3029BB2D00000RV	29 l cooling box, white lid, stainless steel design inside, DC 12 V/24 V

The BI 36 is a top loading refrigerator box equipped with the Secop BD35F 12/24V DC compressor. The product is meant to be integrated into customer's furniture and customized in finishing via the upper lid, granting safe hinging according to product application type and layout specifications. Set temperature range is from 0°C to +10°C.



Isotherm BI 36	
Gross Volume (l)	36
Dimensions H x W x D (mm)	690 (+ 25mm for lid) x 438 x 240
Weight (kg)	15.3

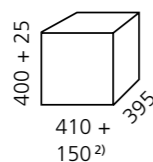
Order number	Description
IRB036TNACP12111AA	36 l cooling box, top to be finished by the upper lid DC 12 V/24 V

1) Power consumption in operation in 12 V with + 5°C in the refrigeration space, ambient temperature + 25°C (ISO 15502:2005 and EN 153:2006).
2) Compressor dimensions

Cooling Boxes – For Installation

BI 40, 41 Dual

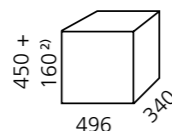
The BI 40 is a built-in refrigerator box. It is equipped with an L-shaped evaporator. The fan-cooled compressor is mounted on the side and can be removed up to 1.2 meter away.



Isotherm BI 40	
Gross Volume (l)	40
Dimensions H x W x D (mm)	400 (+ 25mm for lid) x 395 x 410 + 150 ²⁾
Weight (kg)	16
Power consumption (Wh/24 h)	270 ¹⁾

Order number	Description
3040BA2A00000RV	40 l cooling box, black lid, loose, DC 12 V/24 V

The BI 41 is a refrigerator or freezer box with stainless steel inner lining, plastic bottom section and a wire basket. It offers a range of +10°C to -10°C. The fan-cooled compressor is mounted on the bottom, or easily repositioned up to 1.5 meter away.



Isotherm BI 41 Dual	
Gross Volume (l)	41
Dimensions H x W x D (mm)	450 (+ 15mm for lid) + 160 ²⁾ x 496 x 340
Weight (kg)	19
Power consumption (Wh/24 h)	270 ¹⁾

Order number	Description
3041BA2A00000RV	41 l cooling box, white lid, loose, stainless steel design inside, DC 12 V/24 V

AC/DC Converter

Power Pack

This Power Pack is offered as accessory and can be used for each fridge listed in the RV catalogue. It has to be ordered separately. This Power Pack is available in 4x different versions with plug either for EU, UK, USA or AUS/NZ.



New
AC/DC Converter

Power Pack	
Input (AC) (V)	100 – 240
Output (DC) (V)	26.5
Output Power (W)	up to 108
Output current (A)	up to 4.5
Net weight (kg)	0.9
Dimensions (L x H x D) (mm)	131 x 35 x 255
Length of the cables	
DC compressor (mm)	150
DC battery (mm)	650
AC cable (mm)	190

Order number	Description
IMSEH00017HA	POWER PACK 108 W 100/240 V AC 50/60 HZ 24 V DC EU PLUG
IMSEH00018HA	POWER PACK 108 W 100/240 V AC 50/60 HZ 24 V DC USA PLUG
IMSEH00019HA	POWER PACK 108 W 100/240 V AC 50/6 HZ 24 V DC AU PLUG
IMSEH00020HA	POWER PACK 108 W 100/240 V AC 50/60 HZ 24 V DC UK PLUG

1) Power consumption in operation in 12 V with + 5°C in the refrigeration space, ambient temperature + 25°C (ISO 15502:2005 and EN 153:2006).

2) Compressor dimensions

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 push 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.

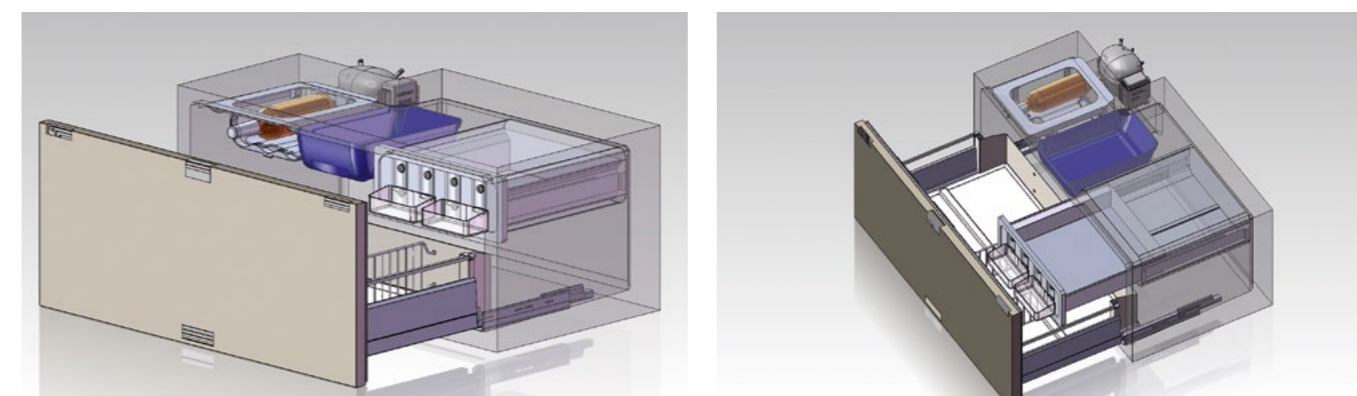
Compressor fridges do also offer the possibility to change the product design completely which means further innovation possibilities for RV manufacturers.

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
- Low noise level
- Maintenance free
- Impressive efficiency (A+/A++)
- Ventilation position of door
- Low weight
- Easy installation
- No grilles and ventilation outlet on the outer wall of the vehicle

Some examples 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 grilles or chimneys on the outside of the vehicle.



XL Freeze

- The door can be customized with a front panel chosen by the customer.
- The cabinets inside can be adjusted to the needs of the customer.
- The design of the drawer fridge offers an easy overview of the fridge's contents.



BI 16

- Vertical top loader in-built fridge has been developed for vans with limited space.
- In-built concept enables easily integration into overall vehicle design.



Freedom in layout and design.

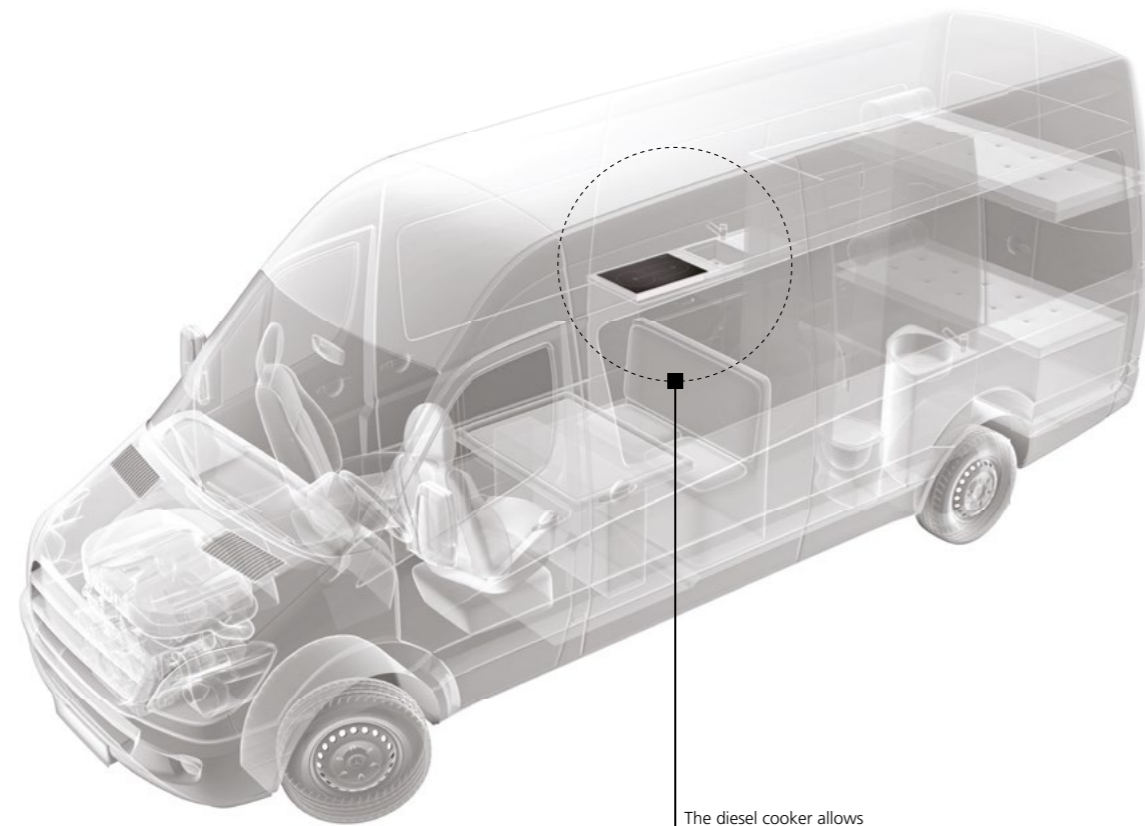


Comfort Products: Diesel Cooker

Application Concept	118
Advantages	119
Diesel Cooker X 100	120

Diesel Cooker

Application Concept



The diesel cooker allows cooking without any open flames in the vehicle

Diesel Cooker

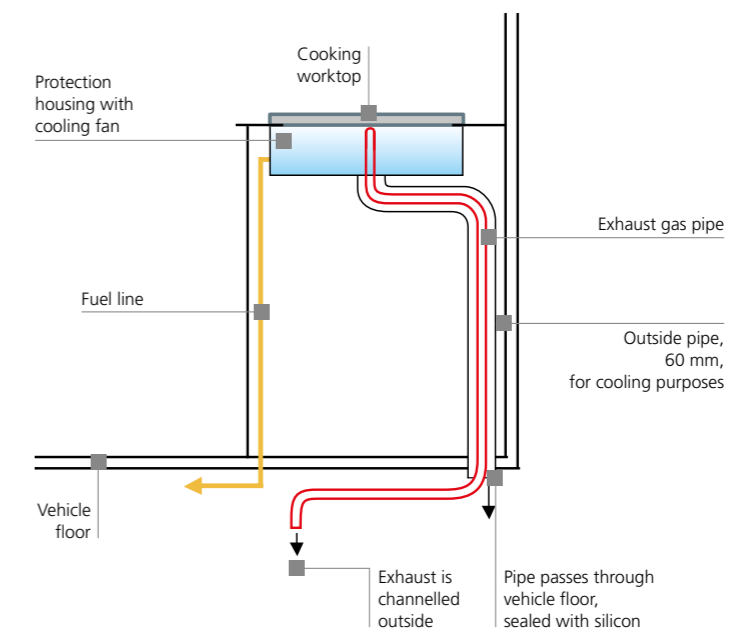
Advantages

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 glass ceramic panel, and the exhaust gases directed out of the vehicle through an exhaust gas pipe inside the cooling air pipe. 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 pipe.



Please refer to our separate heating product catalog for our full range of accessories (see also page 9).

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 a wide cooking zone.

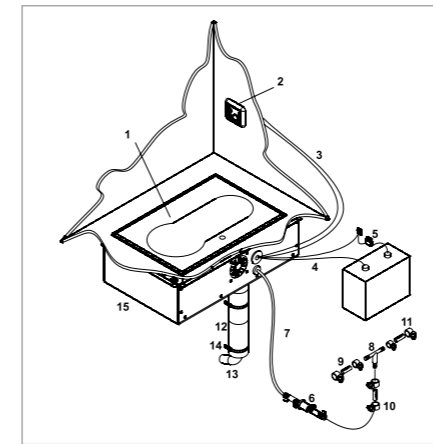
The left side is for cooking and the right side for heating up food as well as maintaining warmth. Thanks to its compact dimensions and flat design, the Webasto Diesel Cooker fits even into the smallest kitchen.

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
- Silent operation

Scopes of delivery



Scopes of delivery

1. Diesel cooker X100
2. Control panel
3. Control panel cables
4. Power cables
5. Main fuse 15A
6. Fuel filter
7. Fuel hose
8. T-piece fuel connection
9. Fuel hose
10. Hose clamp
11. Hose clamp
12. Cooling air tube
13. Exhaust tube stainless steel
14. Exhaust clamp
15. Ventilation box

1

Order number

Diesel Cooker X 100

WA9000B

2

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.

3

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.

4

Accessories (optional)

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

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.)
Fuels	Diesel DIN EN 590, Diesel B20 – B30 DIN EN 16709, Paraffinic fuel (HVO/GTL) DIN EN 15940
Fuel consumption (l/h)	0.09 – 0.18
Start-up time (min.)	~ 3
Rated voltage (V)	12
Dimension of CERAN® hot plate L x W x H (mm)	466 x 316 x 50
Dimension of protective casing L x W x H (mm)	565 x 366 x 172 (2 cm cooling air hose ring)
Weight (kg)	8 (hot plate) 1.5 (casing)

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Abbreviations

Specifications

ECE	Economic Commission for Europe
EMC	Electromagnetic compatibility
HDD	Heavy Duty Design
HTM	Heating time management
IK	Installation kit
SOD	Scope of delivery

Units of measurement

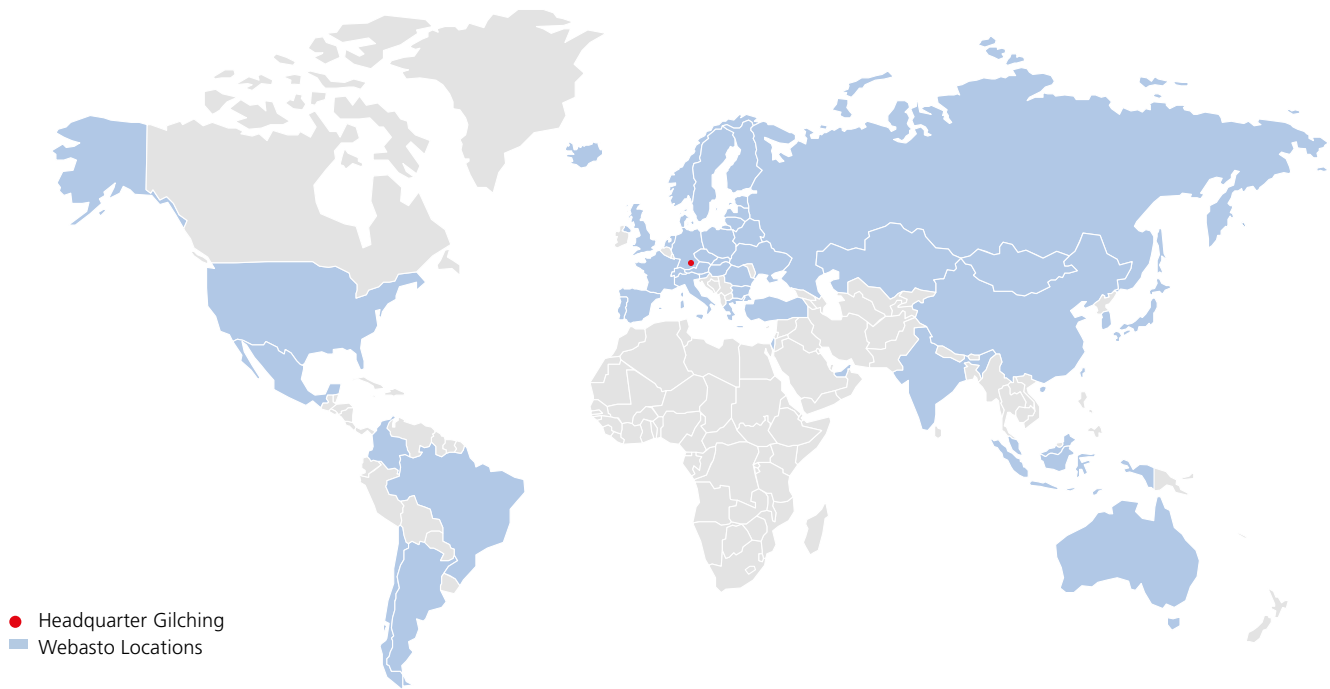
D	Diameter (mm)
Da	Outer diameter (mm)
Di	Inner diameter (mm)
H	Height (mm)
kg	Kilogram
L	Length (mm)
m	Meter
mm	Millimeter
r	Radius (mm)
SW	Wrench size (mm)
W	Width (mm)

Electrical units

A	Ampere
kW	Kilowatt
rpm	Revolutions per minute
V	Volt
W	Watt

Materials and fuels

APK	Aluminium paper plastic
EPDM	Ethylene propylene terpolymer rubber
FAME	Fatty acid methyl ester (fuel)
GA-A	Aluminium foil and aluminium coated glass fabric
GA2-A	Aluminium and aluminium coated glass fabric
H-M-A	Hart aluminium plastic aluminium
PA	Polyamide
PAK	Paper aluminium plastic
PAPK	Paper aluminium paper plastic
TPE	Thermoplastic elastomer
VOME-	
resistant:	Resistant against various diesel-like fuels; B7, B10, XTL, etc.



The Webasto Group is a global innovative systems partner to the mobility industry and one of the 100 largest suppliers to the automotive sector worldwide. The company's offering includes in-house developed roof, heating and cooling systems for various types of vehicles, batteries and charging solutions for hybrid and electric vehicles, and additional services related to thermal management and electromobility. Among the customers of Webasto are manufacturers of passenger cars, commercial vehicles and boats, as well as dealers and end customers. In 2021, the Group generated sales of 3.7 billion euros and employed around 15,700 people at over 50 locations. The headquarters of the company, which was founded in 1901, is located in Stockdorf near Munich (Germany). For more information please visit www.webasto-group.com