



| Premium product brands:



Comfort in the cab

Climate solutions and fridge for on the move and stationary operation

| 2011



Perfect climate “on the spot”

Rest in comfort – arrive in safety

Sitting in a cool cabin while driving is standard nowadays. During the resting periods though, many drivers still have to choose between two evils: swelter in an overheated cab or illegally run the engine. Fortunately, there's a better alternative: WAECO CoolAir stationary air conditioners create perfect conditions for drivers to have a restful break and continue the journey safely and with full concentration.

The roof air conditioners CoolAir CA-850S and CoolAir SP-900 split system have been specifically designed for stationary operation in trucks – not as a substitute but as a complement to the factory-fitted air conditioner. Taking over where the vehicle A/C has left off, they maintain a pleasant temperature inside the cabin and dehumidify the air. They prevent excessive heat build-up during the day and create an optimal sleeping temperature, day or night.

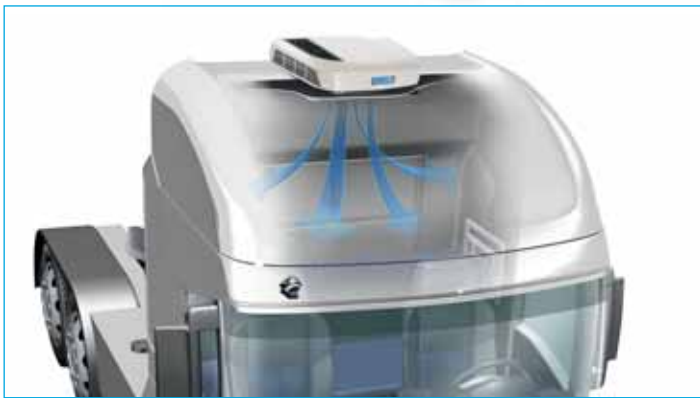
The benefits at a glance

- **Restful breaks:**
Comfortable temperatures, dehumidified air.
- **Less accidents:**
Relaxed drivers are concentrating; effective resting periods prevent nodding off at the wheel.
- **Reduced fuel consumption:**
Engine is not running during the resting periods.
- **Vehicle-specific installation accessories:**
Fast and easy installation, 100% clean removal.

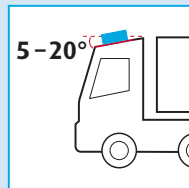
Which CoolAir air conditioner fits which type of vehicle? It's not merely a matter of taste but depends on the design of the truck you have. The model comparison below makes the decision easy.

WAECO CoolAir CA-850S

Truck roof air conditioner for stationary operation.



- Cools and dehumidifies the air when the engine is turned off
- Powered by the vehicle battery



For cabins with a front roof pitch of 5 – 20°.
 For cabins with small roof window.
 Suitable for dangerous goods vehicles.
 No refitting needed!
 Hassle-free removal.

Cooling capacity 850 watts
 (rated to ISO 5151)

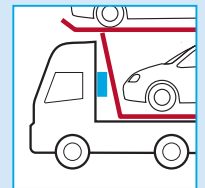
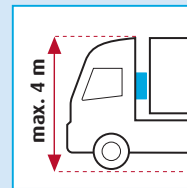
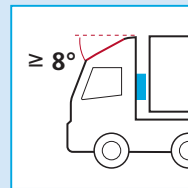
Fitted to the roof.

WAECO CoolAir SP-900

Truck split air conditioner for stationary operation.



- Hermetically sealed system, maintenance-free
- High-performance compressor technology



Ideal for trucks where a roof-mounted unit would mean exceeding the maximum permissible height.
 For trucks with a roof pitch of over 8°
 For trucks with roof-mounted structures. (e.g. car transporters)

Cooling capacity 900 watts
 (rated to ISO 5151)

Fitted to the rear wall of the driver's cabin.

WAECO CoolAir CA 850S

WAECO CoolAir CA 850S

Roof air conditioner for trucks, 24-volt stationary air conditioning (mobile use possible)



Input voltage	24 volts DC
Average current consumption	12 – 22 A
Cooling capacity	1000 watts (compressor capacity) 850 watts (rated to ISO 5151)
Refrigerant	R134a
System	Rotary compressor for mobile use, soft-start electronics, adjustable low-voltage protection for vehicle battery, three blower levels and automatic mode, hermetically sealed refrigeration circuit
Dimensions (W x H x D)	CA 850S without seal: 830 x 159 x 635 mm
Height from roof top (depending on the model)	165 – 187 mm (with installation kit)
Weight	approx. 21 kg
Colour:	Upper shell: white. Base support: slate-grey
Quality features	UV-resistant, upper shell can be spray-painted, control panel with digital status readout, remote control, four individually adjustable nozzles
Test mark	e-approved to 2006/28/EC Automotive EMC Directive

Scope of delivery: stationary air conditioner, remote control, connection cable, seals, operating instructions; (cover frame, seals, installation fittings, installation instructions only for 9100100024/25/26)



1 year warranty on everything

Elegant, high-quality design

Just 159 mm high

Outstanding cooling performance plus air dehumidification

Can also be used while driving in addition to the factory-fitted air conditioner

Minimised theft risk: works with all windows closed

Upper shell can be spray-painted at a later time

Specifically designed for cabs with a front roof pitch of 5 – 20° or narrow roof window

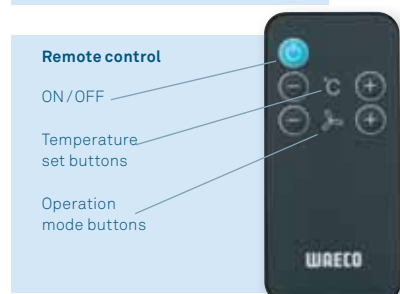
Suitable for dangerous goods vehicles



Product	Ref. No.
Complete kits (for roof incline greater than 8° but less than 20°)	
CoolAir CA 850S for Iveco Stralis AS, AT high-roof cab & PowerStar	9100100024
CoolAir CA 850S for Iveco Stralis AS ³ high-roof cab & PowerStar	9100100026
CoolAir CA 850S for Volvo L2H2	9100100025
Base model (vehicle-specific installation kit required)	
CoolAir CA 850S	9100100027
Vehicle-specific installation kits (required with base model)	
Installation kit 1 for DAF XF 105 SC*, CF 85	9100300029
Installation kit 2 for DAF XF 105 SSC*, CF 85	9100300030
Installation kit 3 for MAN TGX, TGS LX/XXL SLEEPER	9100300031
Installation kit 4 for MB Actros*	9100300032
Installation kit 5 for MB Atego/Axor*	9100300033
Installation kit 8 for Scania Topline and Highline*	9100300036
Installation kit 9 for Volvo L2H3*	9100300037
Universal installation kit 1 HATCH	9100300038
Universal installation kit 2 NON HATCH	9100300039

Scope of delivery: cover frame, seals, installation fittings, installation instructions

* current models



Operating panel: functional and easy to use



- ON/OFF switch
- LED red: warning indicator
- LED green: unit in operation
- LED yellow: compressor in operation
- Operation mode setting
- Digital status readout
- Temperature set buttons

WAECO CoolAir CA 850S



Top in
technology
and
design

Well thought-out in every detail

Here's where CoolAir CA 850S makes a difference:

Elegant design – as if cast from one mould: the flat, streamlined contours of the CoolAir CA 850S blend harmoniously with the design of modern-day truck cabins. The vehicle-specific cover frame flows seamlessly into the roof lining.

The compressor powered CoolAir CA 850S roof air conditioner creates a pleasant temperature and simultaneously dehumidifies the air in the cabin. It works with the engine turned off, operating with energy from the vehicle battery. That means: considerably less fuel consumption in rest periods, correspondingly less CO₂ emissions, and no unnecessary noise. The automatic low-voltage protection keeps the battery ready to start the engine. The refrigerant circuit is hermetically sealed, so no refrigerant can escape into the atmosphere. Additional plus factors in the eco-balance: the unit is CFC-free and 80% recyclable.

Fast installation – no need to drill extra holes: the base of the completely preassembled roof air conditioner includes the hole patterns of all common types of trucks. Just insert the unit, wire it up, attach the cover frame and you're done! For "special cases" such as the front roof pitch on the Iveco Stralis (AS, AS³, AT) or the narrow roof window on the Volvo L2H2 (Globetrotter), custom versions of the CoolAir CA 850S are available.

First-class operating comfort: temperature and air flow are easy to adjust – by touching a button on the friendly control panel, or conveniently from the driver's bed. The four air nozzles are continuously variable in direction and tilt. The new sleep timer switches the unit into the battery-saving standby mode at the desired time.

WAECO CoolAir CA 850S

DAF

XF / CF-Series



CA 850S installation kit for:
DAF XF 105 SC, XF105 SSC *



Iveco & POWER STAR

Stralis AS / AS³ / AT



Complete set CA 850S with
installation kit for:
Iveco Stralis AS, AS³, AT (high-roof cab) *



MAN

TGX



CA 850S installation kit for:
MAN TGX XXL *

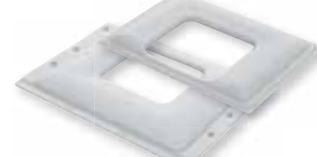


Mercedes-Benz

Actros / Atego



CA 850S installation kit for:
MB Actros, Atego/Axor *



Electric sliding roof: installation kit 4
Mechanical sliding roof: Universal 1

*current models

Scania

Topline and Highline



CA 850S installation kit for:
Scania Top- and Highline *



Universal installation kits

Naturally, other utility vehicles with or without roof window (e.g. older trucks) can be equipped with the CA 850S as well. Two universal installation kits are available to this end.



Installation kits
Universal 1 and 2

Volvo

Volvo L2H2 (Globetrotter) and L2H3



Complete set CA 850S with
installation kit for:
Volvo L2H2 (Globetrotter) *

CA 850S installation kit for:
Volvo L2H3 *



Do you have any questions as to the technology of the CoolAir CA 850S or the installation options available?

Our team of technical experts are always there for you, ready to find answers to your problems and provide extensive product information.

Please contact Dometic - WAECO on sales@dometic-waeco.com.au or on Freecall 1800 21 21 21

*current models

WAECO CoolAir SP-900

Split air conditioner for rear wall mounting

- Outstanding cooling performance.
- Pleasant temperature and dehumidified air.
- Operation with the windows closed – no cooling loss, minimised risk of theft.
- Hygienic, hermetically sealed system – no need to fill up with water or refrigerant.



Rear wall mounted CoolAir SP-900

The SP-900 split air conditioner offers all the typical CoolAir benefits: high performance compressor technology, comfortable operation, easy installation. Its two components are fitted to the rear wall of the cabin – the evaporator inside, the condenser outside. Unlike common industry practice, the unit is factory precharged with refrigerant.

Easy installation: air conditioner fitted to the rear wall



Handy: the condenser fastening frame uses the vehicle's existing fastening points.

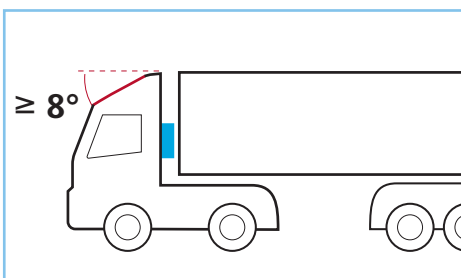


Quickly done: installation of the evaporator unit at the inside rear wall of the cabin.

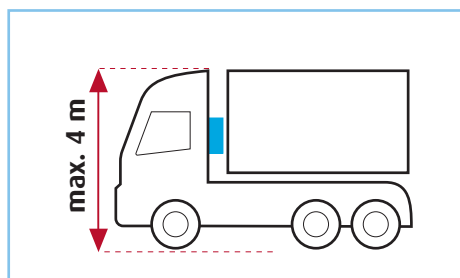


Made to measure: sufficient "play" between the tractor and trailer.

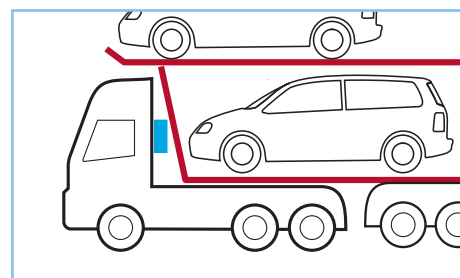
Ease of use: touch-button climate control



The SP-900 split system is ideal for trucks with a roof pitch of over 8°.



For trucks where a roof-mounted unit would mean exceeding the maximum permissible height.



For trucks with roof-mounted structures (e.g. car transporters).

WAECO CoolAir SP-900

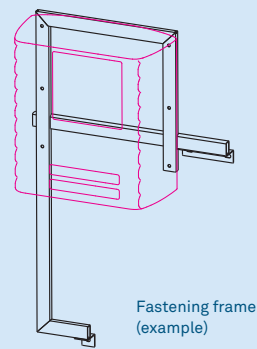
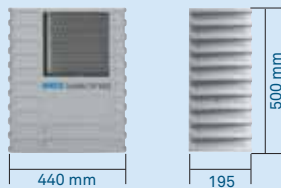
Split air conditioner for rear wall mounting on trucks, 24-volt stationary air conditioning (mobile use possible).



Condenser unit



Evaporator unit



Fastening frame (example)

Voltage	24 volts DC
Current consumption	8 – 18 A
Cooling capacity	950 watts (compressor capacity) 900 watts (rated to ISO 5151 standards)
Refrigerant	R134a
System	Reciprocating compressor for mobile use, soft-start electronics, adjustable low-voltage protection for vehicle battery, three blower levels and automatic mode, timer mode. Quiet running cross-flow fan with two rotors. Hermetically sealed, factory-precharged refrigerant circuit.
Dimensions (W x H x D)	Condenser unit: 440 x 500 x 195 mm Evaporator unit: 678 x 308 x 140 mm
Weight	Condenser unit: approx. 16 kg Evaporator unit: approx. 5.9 kg
Colour	Signal grey
Quality features	Control panel with digital status readout, remote control, four individually adjustable nozzles, made in Germany
Test mark	e-approved according to 72/245/EEC (EMC Automotive Directive)



1 year warranty on everything

Outstanding cooling performance plus air dehumidification

Works with all windows shut to minimise theft risk

Can also be used while driving

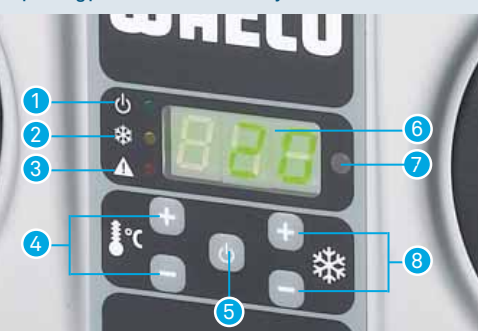
Factory-precharged refrigerant circuit



Scope of delivery: Separate condenser and evaporator units, remote control, battery cable, operating and installation instructions, universal installation fittings.

Product	Ref.No.
CoolAir SP-900	9100100002
Fastening Frame SP900 Mercedes Benz Actros	9100300008
Fastening Frame SP900 Volvo FH L2H2, L2H3	9100300013
Fastening Frame SP900 Iveco Stralis Active Space	9100300014

Operating panel: functional and easy to use



- 1 LED green: unit in operation.
- 2 LED yellow: compressor ON.
- 3 LED red: warning indicator.
- 4 Temperature set buttons.
- 5 ON / OFF switch.
- 6 Digital status readout.
- 7 Infrared receiver.
- 8 Operation mode setting.

Eberspächer AIRTRONIC D2 - D4



D2				
Voltage	12/24 volts DC			
Heating settings	Power	High	Medium	Low
Heat flow	2,200 watts	1,800 watts	1,200 watts	850 watts
Electrical power consumption	34 watts	22 watts	12 watts	8 watts
Fuel consumption	0.28l/h	0.23l/h	0.15l/h	0.10l/h
Dimensions	D310 x W115 x H122 mm			
Weight	approx. 2.7 kg			



D4				
Voltage	12/24 volts DC			
Heating settings	Power	High	Medium	Low
Heat flow	4,000 watts	3,000 watts	2,000 watts	900 watts
Electrical power consumption	40 watts	24 watts	13 watts	7 watts
Fuel consumption	0.51l/h	0.38l/h	0.25l/h	0.11l/h
Dimensions	D371 x W150 x H140 mm			
Weight	approx. 4.5 kg			

Low fuel & power consumption

Fully electronic microprocessor control

Runs totally independent of the engine

Low maintenance, easy to service

Compact design for easy & space-saving installation



E6946/E7613

E6947



E7989



19456 - 400 x 400 x 80mm

E8286



251786800200

Product	Ref. No.
Eberspächer D2 12V single air outlet kit	E6942
Eberspächer D2 24V single air outlet kit	E7614
Eberspächer D2 12V twin air outlet kit	E6943
Eberspächer D2 24V twin air outlet kit	E7615
Eberspächer D4 12V triple air outlet kit	E7598

All of the above require a temperature controller

Eberspächer 12V standard temperature control	E6946
Eberspächer 24V standard temperature control	E7613
Eberspächer Digital temperature control 12 & 24V (7 day programmer)	E6947
Eberspächer Digital temperature control 12 & 24V	E7989
Eberspächer truck wiring kit	E7885
Eberspächer 65mm ducting per meter	10145
Eberspächer 75mm ducting per meter	10145
Eberspächer motor home fuel tank stand pipe	25122689500
Eberspächer fuel tank universal 10 litres	19456
Eberspächer inline fuel filter kit must be fitted with fuel tank	E8286
Eberspächer air intake silencer	251786800200

WAECO CoolMatic CD-30



Gross capacity	approx. 30 litres
Power source	12/24 volts DC
Weight	approx. 18 kg
Dimensions	D560 x W440 x H250 (D730 Including compressor) mm
Avg. running time	20% at 20°C ambient temperature 40% at 32°C ambient temperature
Material	sturdy metal housing with injection moulded parts, metal slide system, metal latches
Temperature range	+12°C to -2°C (fridge only)
Compressor	Fully hermetic German made Danfoss BD35F



Temperature range
+12°C to -2°C



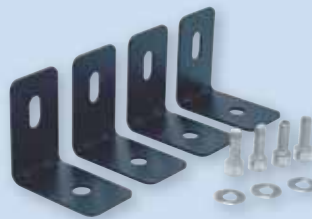
Suitable for
solar operation



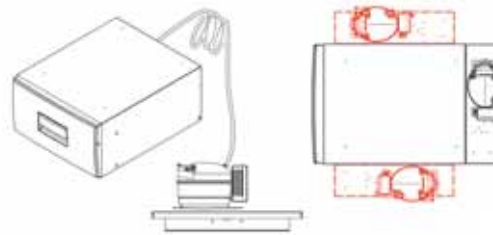
2 years warranty
on the compressor
motor; 1 years on
everything else



Danfoss BD-35F
compressor



Mounting brackets included



A smart solution in
confined spaces: the
cooling unit can be
fitted separately.



Product	Ref. No.
CoolMatic CD-30	CD-30



Convenient access to cool snacks and drinks with easy-pull drawers running on roller bearing slides. Unlocking and opening with a single movement. Secure closing mechanism.

Continuously variable thermostat.



Dometic. The Satisfaction Network.



Dometic Australia, Queensland 1

Dometic Group is a customer-driven, world-leading provider of leisure products for the RV, automotive, truck and marine markets. We supply the industry and aftermarket with a complete range of air conditioners, refrigerators, awnings, cookers, sanitation systems, lighting, mobile power equipment, comfort and safety solutions, windows, doors and other equipment that make life more comfortable away from home.

Dometic Group supplies a wide range of workshop equipment for service and maintenance of built-in air conditioners. Dometic Group also provides specially designed refrigerators for hotel rooms, offices, wine storage and transport and storage of medical products. Our products are sold in almost 100 countries and are produced mainly in wholly-owned production facilities around the world.

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