Mobile climate solutions

Truck roof air conditioners for stationary use36 - 43Truck split air conditioner for stationary use44 - 47

WAECO CoolAir



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 800 and CA 850S as well as the 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, what's more, dehumidify the air. They prevent excessive heat-up during the day, and create an optimal sleeping temperature at night time.

The benefits at a glance

- > Restful breaks: comfortable temperatures, dehumidified air
- → Less accidents:

Relaxed drivers are concentrated drivers; 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.



Cools and dehumidifies the air when the engine is turned off | Powered by the vehicle battery Hermetically sealed system, maintenance-free | High-performance compressor technology Vehicle-specific installation kits and fastening frames for many types of trucks

≤8°	
Ĺ	-0

Suitable for trucks with or without roof window ADR-approved (certificate upon request). No refitting needed! Please note maximum height including CA 800 Maximum roof pitch: 8° Hassle-free removal when vehicle-specific installation kits are used

Cooling capacity 800 watts (rated to ISO 5151)

Fitted on the roof (in place of a roof window)

	_
5-20	
40-	-(

For cabins with a front roof pitch of 5 – 20° (Iveco Stralis AS, AS³, AT (high-roof cab))

For cabins with small roof window (Volvo L2H2 (Globetrotter))

ADR-approved (certificate upon request). No refitting needed!

Hassle-free removal when vehicle-specific installation kits are used

Cooling capacity 850 watts (rated to ISO 5151)

Fitted on the roof (in place of a roof window)

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

Contents, specifications and availability are subject to change serving the technical improvement.

WAECO CoolAir



Customised climate control for every truck

Roof and split air conditioners for all mounting conditions

A compact air conditioner on the roof or a split system on the rear of the cabin – WAECO offers custom-fit stationary climate control solutions for just about every mounting situation, all complete with vehicle-specific installation accessories. Now, there is even a solution to "special cases" such as cabins with larger roof pitches or small roof windows: the new, super-flat roof air conditioner WAECO CoolAir CA 850S.

All WAECO CoolAir stationary air conditioners feature high-performance, low-maintenance **compressor technology**. They run on power from the 24-volt vehicle battery without straining it. The automatic low-voltage protection ensures hassle-free starting of the engine at all times. CoolAir air conditioners are recirculating air systems and **work with the windows closed**. That keeps the fresh air in – and burglars out.

Superior compressor technology

CoolAir CA 800, CA 850S and SP 900 truck air conditioners owe their performance to the perfect interaction between their compressor and state-of-the-art control electronics. A key advantage over evaporation systems is that compressor powered air conditioners give full performance even at higher air humidity. Yet another difference: they require minimal maintenance. With WAECO compressor air conditioners, there's no need to clean water tanks, and no need to fill up with water either.

Take your pick Which CoolAir fits which truck?

WAECO CoolAir stationary air conditioners are available in many vehicle-specific versions, for all common types of trucks. The table below tells you which system and which installation accessories will fit your driver's cab.

Vehicl	e model		CA 800	CA 850S	SP 900	Vehicle	model		CA 800	CA 850S	
DAF	XF95	Super Space Cab	•		•	MAN		L			1
		Space Cab	•		•			C			
	XF105	Super Space Cab	•		•			Twin Cab / Doka			
		Space Cab	•		•		TGM	LX			
	CF	Space Cab			•			L			
		Sleeper Cab			•			C			
		Day Cab			٠			Twin Cab / Doka			
	LF55	Sleeper Cab			•	MERCEDES	Actros	Mega Space	•		
		Day Cab			•			L-cabin	٠		
	LF45	Sleeper Cab			•			M-cabin			
		Day Cab			•			S-cabin			
								Transporter cab			
VECO	Stralis	Active Space		•	•		Axor	L-cabin	•		
		Active Space ³		•	•			S-cabin			
		Active Time		•	•		Atego	L-cabin	٠		
		Active Day			•			S-cabin			
	Trakker	Active Time			•						
		Active Day			•	RENAULT	Magnum	Long cabin	۲		
	Eurocargo	Active Time			•		Premium	Long cabin	٠		
		Active Day			•			Short cabin			
					-		_				
MAN	TGX	XXL	•		•	SCANIA	R	Topline	•		
		XLX			•			Highline	•		
		LX	•					L	•		
	TGS	LX	•		•		_	N	•		
		L					G	N			
		М			•			L			
	TGA	XXL	•								
		XLX	•		•	VOLVO	FH	L2H3 (Globetrotter XL)	•		
		LX	•		•			L2H2 (Globetrotter)		•	
		XL	•		•			L2H1 (Long cabin)	•		
		L			•						
		М			•						
	TGL	LX									



High performance, minimal maintenance: Compressor power for a comfortable climate



Works with all windows closed: no cooling loss, minimal risk of theft



Ease of use – low strain on the vehicle battery

Tailor-made for Iveco Stralis and Volvo

CoolAir CA 850S for roof mounting



Here's one that works where others won't: the new WAECO CoolAir CA850S takes many a hurdle that had formerly made installation of a roof air conditioner impossible. On Iveco Stralis AS, AS³, AT high-roof cabins it "bridges" the roof pitch with its inclined fitted compressor. The tight roof window in the Volvo L2H2 (Globetrotter) is no problem either for the newcomer to the WAECO CoolAir team. Installation is quick and easy with the vehicle-specific cover frame supplied with each unit.

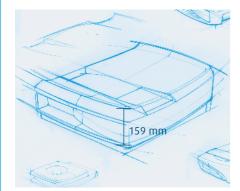
New Design – well proven technology

- Tailor-made roof air conditioners for Iveco Stralis and Volvo
- > Elegant design flat and aerodynamic
- Well proven technology based on the CoolAir CA 800 concept
- > Fast installation, perfect finish with vehicle-specific cover frames



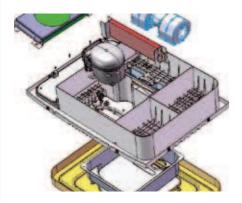
Thought out in every detail

The product advantages of the CoolAir CA 850S



Elegant design

Perfectly done – as if cast from one mould: the flat, streamlined contours of the CoolAir CA 850S blend harmoniously with the aerodynamic design of modern-day truck cabins. Complex components, such as the base support of the compact unit, are injection moulded for stability and an elegant finish. The UV-resistant upper shell can be spray-painted in the vehicle colour. High-grade materials and noble surface textures lend the cabin a contemporary look of unique quality and value.



Well proven WAECO technology

The compressor powered refrigeration system of the CoolAir CA 850S creates a pleasant temperature and simultaneously dehumidifies the air in the cabin. Compared to evaporation systems it offers two key advantages. First, the compressor gives full performance even at higher air humidity. Second, the hermetic system is virtually maintenance-free. The automatic low-voltage protection keeps the battery ready to start the engine.



Fast installation – air conditioner replaces roof window

Insert and connect the unit, fit the cover frame, that's all! Tight roof windows or front roof pitches of 5 – 20° are no problem whatsoever. Many design based arguments against fitting a roof air conditioner are now resolved. The CoolAir CA 850S offers a tailor-made solution – including a vehicle-specific cover frame. During installation the vehicle's existing fastening points are used, there's no need to drill new holes – a typical CoolAir advantage that cuts installation times and allows spotless removal.



Perfect looks - ease of use

Bespoke work: the custom-fit cover frame of the CoolAir CA 850S flows seamlessly into the roof lining, very much like a factory-fitted original. The four air nozzles are easy to adjust – by touching a button on the self-explanatory operating panel, or conveniently from the driver's bed using the remote control supplied as standard with each WAECO CoolAir stationary air conditioner.

New: roof A/C specials

- > For cabins with a front roof pitch of 5 20° or a smaller roof window
- > Outstanding cooling performance
- > ADR-approved (certificate upon request). No refitting needed!
- 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
- > Vehicle-specific cover frame as standard



Custom-fit roof air conditioners

CoolAir CA850S for Iveco Stralis and Volvo

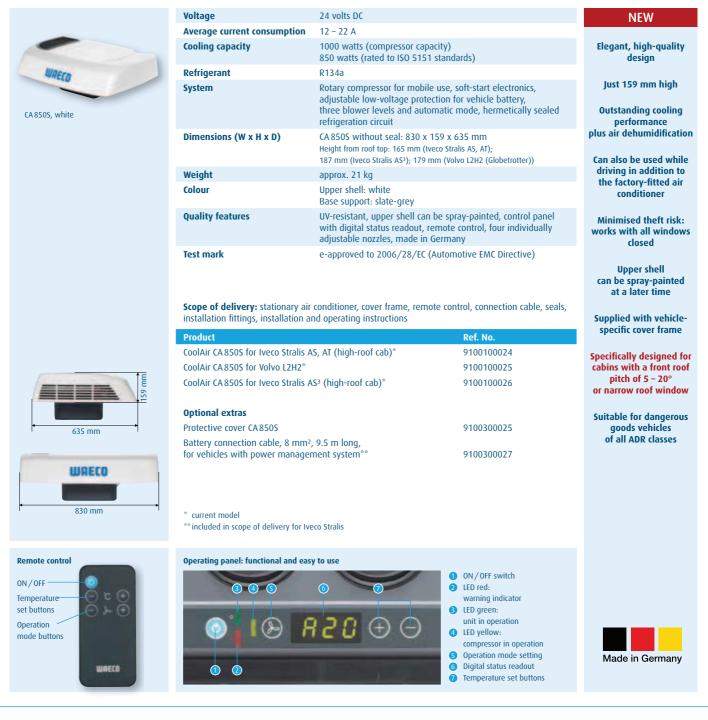
Sloped cabin roof? Tight roof window? – No hurdles whatsoever with the CoolAir CA850S! WAECO's new roof air conditioner is available in various versions to fit specific vehicles: Iveco Stralis AS, AS³, AT (high-roof cab) as well as Volvo L2H2 (Globetrotter).



WAECO CoolAir CA850S

Roof air conditioners for special cabin designs, 24-volt stationary air conditioning (mobile use possible)







Final finishing touches: fitting the new roof air conditioner



Custom-made for Iveco Stralis: the CA 850S replaces the roof window



An inviting interior: high-grade materials, noble surfaces

Bestseller

- > 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



CoolAir CA 800

Top in technology and design

CoolAir CA 800 for roof mounting

A great success right from the start. More and more truckers opt for this smart compressor roof air conditioner to enjoy perfect climate conditions in the cabin while stationary. The ADR-compliant unit is available in white and silver finish. Installation is quick and easy with the vehicle-specific installation kits.

AECO rapitair CASOD

URECO

Plus factor: fast and hassle-free installation



Preparation: removal of the existing roof window



Fits like a custom-made unit: the CA 800 replaces the roof window



Use existing mounting holes when fitting the new roof air conditioner

Ease of use: touch-button climate control



A touch of a button on the self-explanatory operating panel is enough to set the temperature and fan stage.



A comfortable climate by remote control – at perfect ease from the driver's bed!



Gentle or powerful – the air flow from four individually adjustable nozzles

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



Vehicle-specific cover frame

Optional protective cover

	CoolAir CA 800	195 up t
290 mm	400 mm	
690	mm	
	0120	

565 mm

Rem

ON/

Temp

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Opera

mode

ote control	Operating panel: functional	and easy to use
OFF	3 4 5	6
perature puttons ation e buttons	<u>ی</u> ب	820
	0 2	AECO

Voltage	24 volts DC	
Average current consumption	12 - 18 A	
Cooling capacity	1000 watts (compressor capacity) 800 watts (rated to ISO 5151 standards)	
Refrigerant	R134a	
System	Rotary compressor for mobile use, soft-start electronics, adjustable low-voltage protection for vehicle battery, three blower levels and automatic mode. Circular fin evaporator with radial fan, circular fin condenser with axial fan. Hermetically sealed refrigeration circuit.	
Dimensions (W x H x D)	Roof unit: 565 x (195 – 222) [*] x 690 mm * Height from roof top: depending on the vehicle model	
Weight	approx. 20 kg (without mounting plate)	
Colour	CA-0800-DC: pale silver CA-0800-DC-W: white (similar to RAL 9010)	
Quality features	Control panel with digital status readout, four individually adjustable nozzles, made in Germany	
Test mark	e-approved to 2006/28/EC (Automotive EMC Directive)	

Scope of delivery: roof air conditioner, remote control, battery cable, operating instructions

• • • • • •	
Product	Ref. No.
CoolAir CA 800, pale silver	CA-0800-DC
CoolAir CA 800, white	CA-0800-DC-W
Optional extra	
Universal protective cover	CA-SH1
Required accessories Mounting plate (except UNI2), seals, cover frame,	
fitting material and installation instruction	
CA 800 universal installation kit	
(existing roof window) ¹	CA-EK-UNI1
CA 800 universal installation kit	
(newly cut opening)1	CA-EK-UNI2
CA 800 universal installation kit	
(screw-mount roof window) ¹	CA-EK-UNI3
CA 800 installation kit for DAF Super Space Cab XF95*	CA-EK-DAF1
CA 800 installation kit for DAF Super Space Cab XF105*	CA-EK-DAF2
CA 800 installation kit for DAF Space Cab XF105*	CA-EK-DAF3
CA 800 installation kit for MAN TGA (XL, XXL),	
TGX (XL, XXL) and TGM*	CA-EK-MAN1
CA 800 installation kit for Mercedes-Benz Actros (Megaspace and L-Cab)*	CA-EK-MB1
CA 800 installation kit for Mercedes-Benz Atego	CALICIDI
(L-cab, high roof)*	CA-EK-MB2
CA 800 installation kit for Renault Magnum*	CA-EK-REN1
CA 800 installation kit for Renault Premium Route*	CA-EK-REN2
CA 800 installation kit for Scania Highline, Topline and CR19N*	CA-EK-SCAN1
CA 800 installation kit for Volvo L2H3 (Globetrotter XL)**	CA-EK-VOLV2

Don't forget to order the WAECO specification sheet to check the mounting conditions!

* applicable for current models ** also replaces CA-EK-VOLV1

> ON / OFF switch 2 LED red: warning indicator

- LED green:
 - unit in operation
- LED yellow: •
- compressor in operation
- Operation mode setting
- 6 Digital status readout
 - Temperature set buttons
- 1 8 Infrared receiver

Outstanding cooling performance plus air dehumidification

2.09

Minimised theft risk: works with all windows closed

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

Suitable for dangerous goods vehicles of all **ADR classes**

Two colours to choose from: white (similar to RAL 9010) or silver

Upper shell can be spray-painted at a later time

Easy to fit with vehicle-specific accessories

Universal installation kits for many common types of trucks. Request WAECO specs sheet to check mounting conditions!



<image>

Perfect installation results

Vehicle-specific and universal installation kits

A neat finish, inside and out. Fitting this compact, self-contained roof air conditioner requires little time and effort thanks to the vehicle-specific installation kits we offer for many common types of trucks. Everything has been designed to fit the vehicle, existing mounting holes are used, the cover plate blends harmoniously with the roof lining.

Just so that nobody has to go without the CA800, the range also includes three **universal installation kits** – for vehicles with and without roof opening, for bracket or screw mounting.



Truck roof air conditioners for stationary use



for trucks with or without roof window

Naturally, other utility vehicles (e.g. older trucks) can be equipped with the CA 800 as well. Three universal installation kits are available to this end.



CA-EK-UNI1 for vehicles with roof window **CA-EK-UNI2 for** vehicles without factory-fitted roof window CA-EK-UNI3 for trucks of the following makes: MB, MAN, Renault, Volvo (not L2H2) For trucks with a roof window, use the CA-EK-UNI1 (bracket mounting) or the CA-EK-UNI3 (screw mounting). Handy detail: the compensation plate of the CA-EK-UNI3 installation kit has the same hole pattern as that used for fastening of most commonly used roof windows.

If an opening must be cut to accommodate the air conditioner, the CA-EK-UNI2 installation kit is the right choice. All installation kits come with ample material to allow for perfect adaptation to the roof lining.

Do you have any questions as to the technology of the CoolAir CA 800 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 the Dometic WAECO representation in your country.

WAECO CoolAir SP



Split air conditioner for rear wall mounting

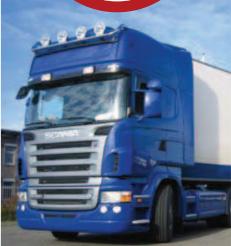
- > Outstanding cooling performance
- > Pleasant temperature and dehumidified air
- > Operation with the windows closed no cooling loss, minimised risk of theft
- Hygienic, hermetically sealed system no need to fill up with water or refrigerant

A pleasant climate to suit all needs

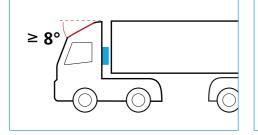
Split components - fitted in a trice

Also for tricky mounting conditions

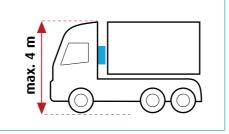




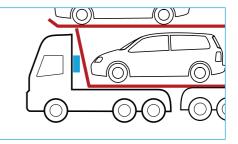
The CoolAir SP 900 consists of two separate components to be fitted to the rear wall of the cab – the condenser outside, the evaporator inside. To speed up installation the system comes with a factory-precharged refrigerant circuit as well as with optional fastening frames for the condenser unit.



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

448 mm

677 m

Voltage	24 volts DC	
Current consumption	8 - 18 A	Outstanding cooling performance plus air
Cooling capacity	950 watts (compressor capacity) 900 watts (rated to ISO 5151)	dehumidification
Refrigerant	R134a	Minimised theft risk:
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	works with all windows closed Can also be used while driving in
Dimensions (W x H x D)	Condenser unit: 448 x 480 x 195 mm Evaporator unit: 677 x 306 x 134 mm	addition to the factory-fitted
Weight	Condenser unit: approx. 16 kg Evaporator unit: approx. 5.9 kg	air conditioner
Colour	Signal grey	Factory-precharged
Quality features	Control panel with digital status readout, remote control, four individually adjustable nozzles, made in Germany	refrigerant circuit
Test mark	e-approved to 2006/28/EC (Automotive EMC Directive)	

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

-	_	Product	Ref. No.	
	480 mm	CoolAir SP 900	9100100002	Made in Germany
_		Operating panel: functional and easy to use		
195	306 mm		 LED green: unit in operation LED yellow: compressor ON LED red: warning indicator Temperature set buttons ON / OFF switch Digital status readout Infrared receiver Operation mode setting 	

WAECO CoolAir Accessories

Vehicle-specific SP 900 fastening frames (optional)

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Desilect		Def. No.	
Product DAF1 SP 900 IVEC1 SP 900 IVEC2 SP 900 MAN1 SP 900 MAN1 SP 900 MAN2 SP 900 MB1 SP 900 REN1 SP 900 REN2 SP 900 SCAN1 SP 900 VOLV1 SP 900	for DAF XF105 for Iveco Stralis Active Space (42 series) for Iveco Stralis Active Space (43 series) for MAN TGA / TGX L, LX, XL for MAN TGA / TGX XLX, XXL for Mercedes-Benz Actros Megaspace for Renault Magnum for Renault Premium for Scania Highline / Topline for Volvo FH L2H2, L2H3	Ref. No. 9100300022 910030005 9100300014 910030006 9100300007 9100300008 9100300010 9100300011 9100300012 9100300013	Fast and easy installation of the condenser unit with vehicle-specific fastening frame WAECO offers vehicle-specific fastening frames for most common types of trucks. For the complete range please visit www.dometic-waeco.com

Fastening frame (example)

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WAECO CoolAir SP



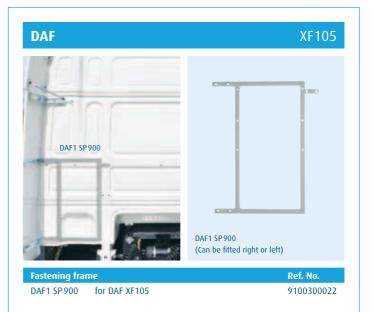
Installation in record time Vehicle-specific fastening frames for WAECO CoolAir SP 900

A typical WAECO CoolAir benefit: when fitting the SP900 split system existing fastening points are used. In our case the mounting holes and bolts on the outside rear of the cabin. The fastening frame for the condenser unit perfectly matches the fastening pattern of the respective vehicle. The obvious advantages are: speedy installation, perfect finish, hassle-free dismantling and less drill holes. Naturally, the condenser can also be fitted without a fastening frame.

Extra bonus: unlike common practice with split air conditioners, the CoolAir SP 900 is supplied with a factory-precharged refrigerant circuit. That means one step less to do, installation is accomplished in record time.



Quickly done: installation and connection of the condenser unit. The condenser fastening frame uses the vehicle's existing fastening points.



Truck split air conditioner for stationary use





