

CLIMATE COMFORT | BUSES, TRAINS, TRANSPORTERS, COMMERCIAL AND SPECIAL VEHICLES

# COOLTRONIC – AIR CONDITIONING WITH ENGINE OFF



COOLTRONIC



A WORLD OF COMFORT







## IDEAL CONDITIONS FOR DRIVER

A comprehensive air conditioning system includes cooling as well as heating. Our air-conditioning systems, which are working if the engine is on or off, create ideal conditions in the driver's cab.

### A WELL-RESTED DRIVER IS A SAFER DRIVER:

Hot summer evenings in the cab can be extremely unpleasant. High temperatures and high humidity stop you from sleeping soundly and therefore affect your performance on the following day.

The Cooltronic air-conditioning system removes the oppressive mugginess from the vehicle.

Cooltronic provides a comfortable interior temperature while reducing the humidity. And its particular plus point is that the system works completely **independently of the engine** – as opposed to conventional air-conditioning solutions. This not only saves fuel, but also protects the environment. Also, the driver can begin the day full of energy again after a relaxing night. Not to mention that the cab climate is always right, even during other "standstill" times in the hot season.

### AN INNOVATIVE DESIGN FROM EXPERIENCED SPECIALISTS:

Eberspächer has been optimizing mobile climate solutions for decades. In addition to satisfying our customers' high demands for comfort and safety with our innovative heating concepts for cars, commercial vehicles, boats and motorhomes, protecting resources is also a top priority for us. This allows us to ensure mobility with the greatest possible efficiency, even in times of resource scarcity. We focus especially on producing an ideal working atmosphere at a justifiable expense for engine-independent cooling of vehicle interiors when doing this, something that not least makes an important contribution to cost reductions in transportation companies, for example.





## THE FACTS SPEAK FOR COOLTRONIC

A vehicle should be cooled in the most inconspicuous and environmentally friendly way possible. Cooltronic also saves money.

### ENVIRONMENTALLY FRIENDLY COOLING WITH THE ENGINE SWITCHED OFF:

It is no longer necessary to run the vehicle's engine at night or during other breaks in order to allow the air conditioner to function. Cooltronic works when the engine is off. This protects the environment and the engine.

### WELL-BEING, COMFORT AND BETTER PERFORMANCE:

Thanks to its innovative technology, Cooltronic functions perfectly well when the windows are closed. Heat, humidity, dust, noise and annoying insects stay outside. This ensures a peaceful and pleasant sleep for the driver, improves performance the next day and reduces the risk of accidents.

### NO MAINTENANCE:

The mature technology of Cooltronic does not require complicated maintenance – no time-consuming visits to the service department and no water refilling. It is merely recommended to operate the system periodically during the winter months, similar to the procedure for air conditioners.

### SIMPLE AND QUICK INSTALLATION:

Cooltronic was conceived especially for simple and quick installation. The system is supplied ready to operate with an environmentally friendly CFC-free refrigerant gas. There is no need to weld connecting pipes or refill gas.

### INTELLIGENT DESIGN:

Cooltronic functions with a condenser group mounted on the outside of the cab. It is not necessary to open the window.

### POWERFUL FAN:

The powerful Cooltronic fan quickly provides pleasant coolness, even during brief breaks – completely independent of the engine.

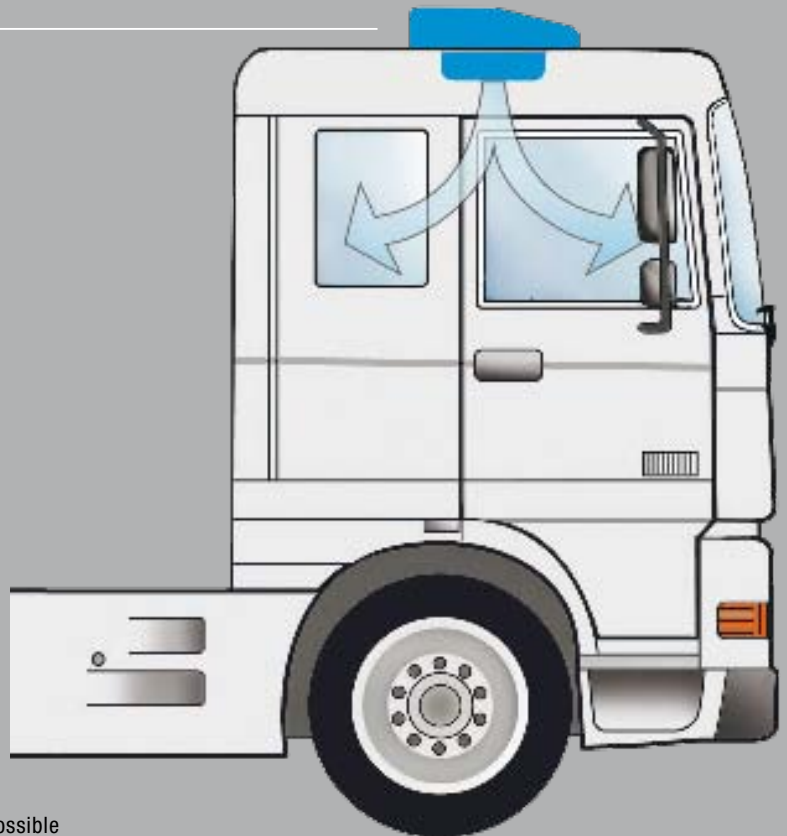
### ECONOMICAL CONSUMPTION:

Cooltronic consumes only little energy, which protects the vehicle battery. Integrated battery sets ensure that there is enough electricity to start the engine at all times.

### ALL FOR ONE:

Cooltronic is backed by a highly effective sales and customer service network throughout Europe. You can therefore be assured of finding a competent contact partner near you.

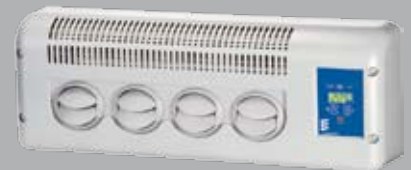
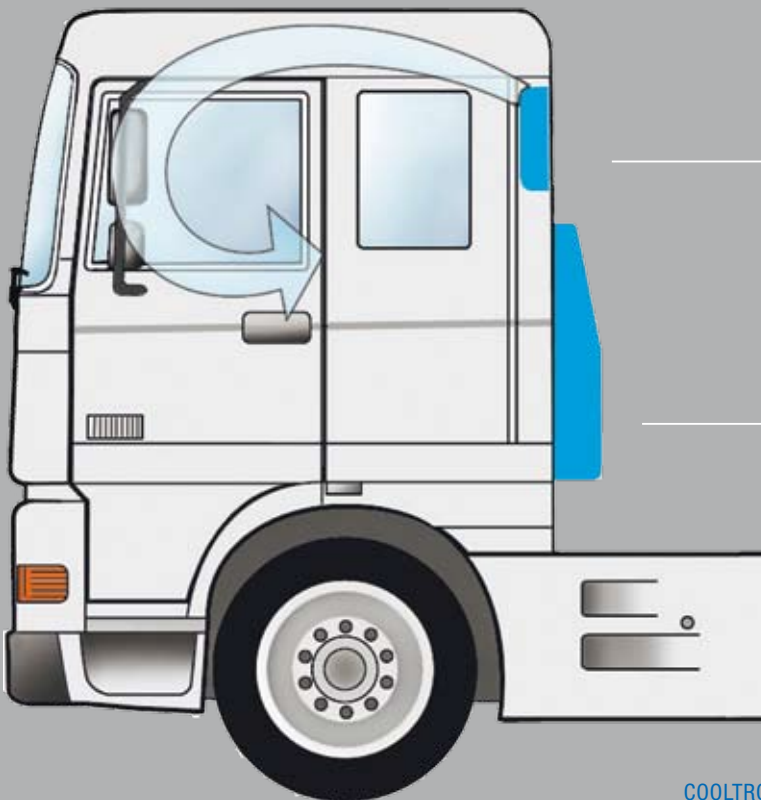




**COOLTRONIC HATCH:**

Simple, rapid installation of the unit in the roof hatch is possible for almost all commercial vehicles without the need for special equipment.

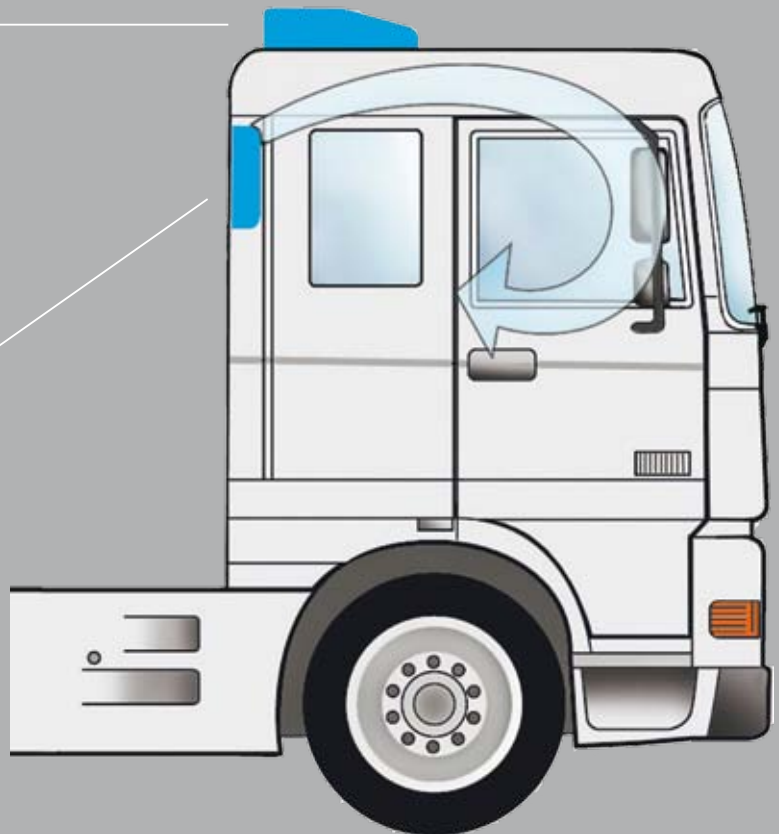
- Uniform cooling of the entire driver's cab
- Thanks to the patented design, the unit can also be installed in roofs with an angle greater than 25°
- The unit increases the cab's height only slightly (< 20 cm)
- The unit is factory-filled with the environmentally friendly R134a refrigerant



#### COOLTRONIC BACK:

The version for the rear wall permits more effective cooling of the rear cab area

- Split unit with exterior unit and interior unit (ventilation unit)
- The exterior unit is mounted on the cab rear wall
- Flexible length of the cooling hose
- Hose can be routed without a bore in certain circumstances
- Ventilation unit is installed at the upper edge on the inside of the rear wall



**COOLTRONIC TOP:**

The roof version recommended especially for commercial vehicles with fixed cargo compartments also provides the best possible cooling result in the rear cab area.

- Split unit with exterior unit and interior unit (ventilation unit)
- Rear unit is installed on the rear part of the roof
- Invisible if a spoiler is installed on the roof
- Flexible length of the cooling hose





## SIMPLE AND CONVENIENT TO USE

### EVAPORATOR UNIT:

The evaporator group ensures that the air-conditioning system functions even when the windows are closed. It is mounted on the rear wall inside the cabin. The system can function without difficulty even if the curtains of the sleeping area are closed.



### WIRELESS REMOTE CONTROL:

The wireless remote control is included as standard, and it permits convenient system programming from the sleeping area.

### DIGITAL DISPLAY:

The easy-to-read and user-friendly display indicates the temperature and humidity values and permits convenient adjustment of the temperature and ventilation power. The SLEEP function can be used to pre-program when the system switches itself off automatically.



## TECHNICAL DATA

### COOLTRONIC – IDEAL VENTILATION AT THE MOBILE WORKPLACE

| EBERSPÄCHER COOLTRONIC            |    |  |  |  |
|-----------------------------------|----|---|--|---|
| Version                           |    | Cooltronic Hatch  | Cooltronic Back  | Cooltronic Top  |
| Refrigerant                       |    | Environmentally friendly R 134a (CFC-free)  | Environmentally friendly R 134a (CFC-free)   | Environmentally friendly R 134a (CFC-free)  |
| Voltage                           | V  | 24 DC   | 24 DC  | 24 DC   |
| Cooling performance               | W  | 950/3250 btu (max.)*<br>650/2240 btu (min.)                                       | 950/3250 btu (max.)*<br>650/2240 btu (min.)  | 950/3250 btu (max.)*<br>650/2240 btu (min.)   |
| Max. fan performance              |    | 6 speeds<br>450 m <sup>3</sup> /h   | 6 speeds<br>450 m <sup>3</sup> /h  | 6 speeds<br>450 m <sup>3</sup> /h   |
| Average consumption/h at 24 V     |    | 14.5 A (max.)*<br>7.5 A (min.)  | 14.5 A (max.)*<br>7.5 A (min.)   | 14.5 A (max.)*<br>7.5 A (min.)  |
| Battery protection                |    | Standard  | Standard   | Standard  |
| Condenser dimensions (L x W x H)  | mm | 865 x 605 x 199   | 463 x 187,5 x 696  | 646 x 434 x 196   |
| Weight                            | kg | 32**  | 23,5   | 23,5  |
| Evaporator dimensions (L x W x H) | mm | 387 x 349 x 165   | 626 x 108 x 260  | 626 x 108 x 260   |
| Weight                            | kg | –   | 5  | 5   |

\* Data determined at a cab temperature of 40 °C / 104 °F and an outside temperature of 32 °C / 90 °F

\*\* Incl. evaporator unit

#### Evaporator unit

- Evaporator dimensions (L x W x H)  
626 x 108 x 260 mm
- Weight 5 kg





#### GERMANY

##### Heaters:

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73730 Esslingen  
Hotline: 0800 1234300  
Fax hotline: 01805 262624  
[www.eberspaecher.com](http://www.eberspaecher.com)

##### Auxiliary products:

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