

e-comp

Electrically Driven  
Compressor



- **EFFECTIVE** air supply for **ELECTRIC ONLY** and **HYBRID** drivelines
- **FUEL EFFICIENCY** with optimized energy management and **SMART CONTROL** option
- **ESTABLISHED** reliability and durability
- **INDEPENDENT** electrically driven compressor for **FLEXIBLE** installation



**WABCO**

General	
Low noise emission	< 65dB(A), SPL 1m@1500 rpm and 12,5 bar system pressure
Weight	< 60 kg
Ambient temperature range	-40°C to +65°C
Box dimensions (L x W x H)	600 x 220 x 400mm
E-Motor	
Input	400V 3~AC
Engine speed	0-3000 rpm (variable)
Compressor	
Maximum air flow	650 l/min @ 12,5bar
Average air flow	220 l/min @ 12,5bar
Continuous duty cycle	0-60 %
Oil carry over	< 0,1 g/h cylinder
<i>Own oil circuit, standard motor oil, no special compressor oil required</i>	



## EFFECTIVE ENERGY MANAGEMENT BY ELECTRICALLY DRIVEN COMPRESSOR

WABCO e-comp provides an efficient solution for the new generation of vehicles with electric only and hybrid drivelines. The engines of these hybrid vehicles are typically too small to allow a conventional compressor to be flanged to them.

The robust, compact and modular design of WABCO e-comp enables customization for all types of vehicles. The most suitable swept volume can be chosen from the WABCO Worldwide Modular (WWM) compressor range.

## FUEL EFFICIENT AND ENVIRONMENTALLY FRIENDLY

Smart compressor management allows e-comp to run only when air delivery is required – minimizing energy use and fuel consumption. Additionally, improved compressor working conditions minimize pollution of the air system.

Intelligent control is also available via the optional FuelGuard™ system. It maximizes fuel savings by utilizing engine overrun phases, and governing e-comp on the basis of available energy and air demand.

## ESTABLISHED RELIABILITY

Because e-comp is based on commercial vehicle industry proven compressor technology, it ensures maximum reliability and durability under all conditions. What's more, it comes with a lifetime oil fill, thus significantly reducing maintenance and downtime costs.

## FLEXIBLE INSTALLATION

e-comp's electric motor facilitates fast and simple installation independent from the vehicle's engine. It can be placed wherever electrical interface and pressure lines are available.

## CHOOSE WABCO E-COMP AND BENEFIT FROM:

- Up to 55% lower fuel consumption with optimized energy management
- Zero power consumption during compressor off-load phase
- Reduced oil contamination in the air system
- Minimized maintenance costs due to lifetime oil fill
- Fast and simple installation

WABCO Vehicle Control Systems (NYSE: WBC) is a leading supplier of safety and control systems for commercial vehicles. For over 140 years, WABCO has pioneered breakthrough electronic, mechanical and mechatronic technologies for braking, stability, and transmission automation systems supplied to the world's leading commercial truck, trailer, and bus manufacturers. With sales of \$1.5 billion in 2009, WABCO is headquartered in Brussels, Belgium. For more information, visit [www.wabco-auto.com](http://www.wabco-auto.com)

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