

AIR COMPRESSORS

New High Output Single and
Twin Cylinder Compressors



- **INCREASED** Free Air Delivery
- Higher **PERFORMANCE** at low weight and small packaging
- Low oil carry-over and **LOW** power **CONSUMPTION**
- Complementing **WABCO** Worldwide Modular **DESIGN**

WABCO

Higher performance Compr



WABCO has set with WWM (WABCO Worldwide Modular) a new standard for compressors in commercial vehicles. This concept is WABCO's approach to a worldwide standardized compressor design.

Combinations of well tested and released parts out of global resources offer the possibility to be responsive to specific customer requirements.

Current WWM designed compressors are based upon 85mm piston diameter. WABCO's answer to customers growing demand for compressed air is the High Output Compressor using 100mm piston diameter which increases free air delivery:

- Single Compressor can replace Twin Compressor
- Twin Compressors increase free air delivery



Compressor for CV engines



Swept Volume

Single cylinder HO Compressor		Twin cylinder HO Compressor	
Piston Ø 100 mm		Piston Ø 100 mm	
Swept volume (in cm ³)	Air delivery at 12.5 bar & 3000 1/min (in l/min)	Swept volume (in cm ³)	Air delivery at 12.5 bar & 3000 1/min (in l/min)
330	575	660	1.150
393	680	786	1.370
440	765	880	1.530

Features

Benefits

<ul style="list-style-type: none"> ■ New developed piston with 100mm diameter 	<ul style="list-style-type: none"> ■ Increased free air delivery, in some cases a single compressor can replace a Twin Compressor leading to cost and weight reduction
<ul style="list-style-type: none"> ■ Improved piston and ring package 	<ul style="list-style-type: none"> ■ Reduced blow by leading to higher efficiency ■ Reduced oil carry over
<ul style="list-style-type: none"> ■ WABCO patented Power Reduction (PR) system, Energy Saving Head Unloader 	<ul style="list-style-type: none"> ■ Fuel saving due to minimized power consumption in off-load operation ■ Fuel saving of up to 0,7 liter per 100km
<ul style="list-style-type: none"> ■ Temperature Reduction (TR) System 	<ul style="list-style-type: none"> ■ Lowers oil degradation ■ Up to 100°C lower air temperature, enabling reduced discharge line length up to 60%
<ul style="list-style-type: none"> ■ WWM (WABCO Worldwide Modular) design 	<ul style="list-style-type: none"> ■ High degree of customization feasible ■ Quick implementation of specific or changing customer requirements
<ul style="list-style-type: none"> ■ Turbo charged or naturally aspirated 	<ul style="list-style-type: none"> ■ Turbo charged compressors providing high air delivery and reduced oil carry over
<ul style="list-style-type: none"> ■ Two stage compression technology (only on multi-cylinder compressors) 	<ul style="list-style-type: none"> ■ Reduced oil carry over and oil degradation ■ Up to 100°C lower air temperature
<ul style="list-style-type: none"> ■ Through drive capability, either tang or spline 	<ul style="list-style-type: none"> ■ Cost effective solution to provide a power take-off interface



When buying a WABCO product, please check that it contains the typical WABCO marks (particularly on the packaging, labels and identification plate) as evidence that it is an original WABCO part. In case you have any doubts, please contact WABCO or an authorized WABCO partner.

WABCO Vehicle Control Systems is one of the world's leading providers of electronic braking, stability, suspension and transmission automation systems for heavy duty commercial vehicles. Customers include the world's leading commercial truck, trailer, and bus manufacturers. Founded in the U.S. in 1869 as Westinghouse Air Brake Company, WABCO was acquired by American Standard in 1968 and spun off in 2007. Headquartered in Brussels, Belgium, WABCO employs more than 7,700 people in 31 countries worldwide. In 2007, WABCO's total sales were \$2.4 billion. WABCO is a publicly traded company and is listed on the New York Stock Exchange with the stock symbol WBC.

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