

**VOITH**

More Air.  
Compressors  
for Retrofits



# Product Overview

The portfolio covers pre-charged two- and three-cylinder air compressors made from graycast iron or cast aluminum.

## Key advantages

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- Lower fuel consumption (up to 1 l/100 km)
- No oil coking due to low temperature levels
- Better air quality due to significantly less harmful oil decomposition products, therefore higher availability of the air system
- Lower energy uptake in non-delivery operation, therefore no external control signal required
- Higher air volume due to longer duty cycles (up to 80 %)
- Easy adaptation due to interchangeable flange concept
- Repair-friendly due to exchangeable cylinder sleeve (LP 490)

## Working principle

The two-stage compression with its unique intercooling system results in a significantly reduced power uptake during delivery operation. At the same time, the compression temperature drops, which allows longer duty cycles and therefore increases the air delivery per hour, while the stroke volume remains the same. Outside delivery operation, the newly developed idle system SLS significantly reduces fuel consumption. As a result of reduced temperatures, the engine oil is subjected to less stress. Oil cracking and the formation of harmful substances are therefore prevented.

# Overview

## Available compressor types

Compressor	Vehicle Manufacturer	Engine	Comment	
LP 490	Mercedes-Benz	OM457	from Euro 3	
		OM906	vertical engine only	
	Volvo/Renault	D9		
		D10		
		D12		
		D13/D16		
	MAN	D08	available from Feb. 2013	
	LP 700	Mercedes-Benz	OM457	from Euro 4

Please do not hesitate to contact us if you have any queries regarding

- prices
- delivery times
- installation kits
- exchange of units from other manufacturers
- vehicle installation

For contact details please see the reverse side of this flyer.

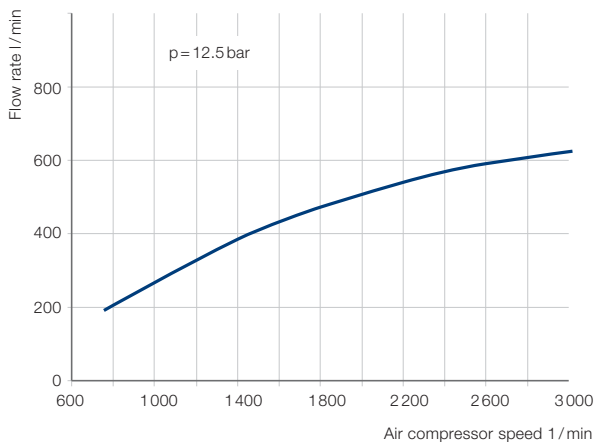


# LP 490

## Technical parameters

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No. of cylinders	2
Compressor stages	2
Suction volume	400 cm <sup>3</sup>
Positive operating pressure	up to 16 bar



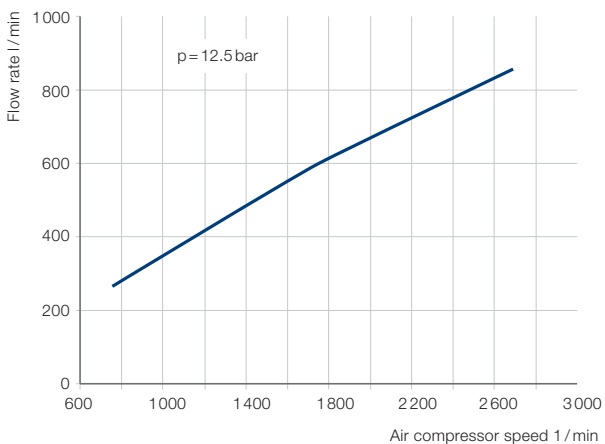


# LP 700

## Technical parameters

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No. of cylinders	3
Compressor stages	2
Suction volume	565 cm <sup>3</sup>
Positive operating pressure	up to 16 bar



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**VOITH**  
Engineered Reliability