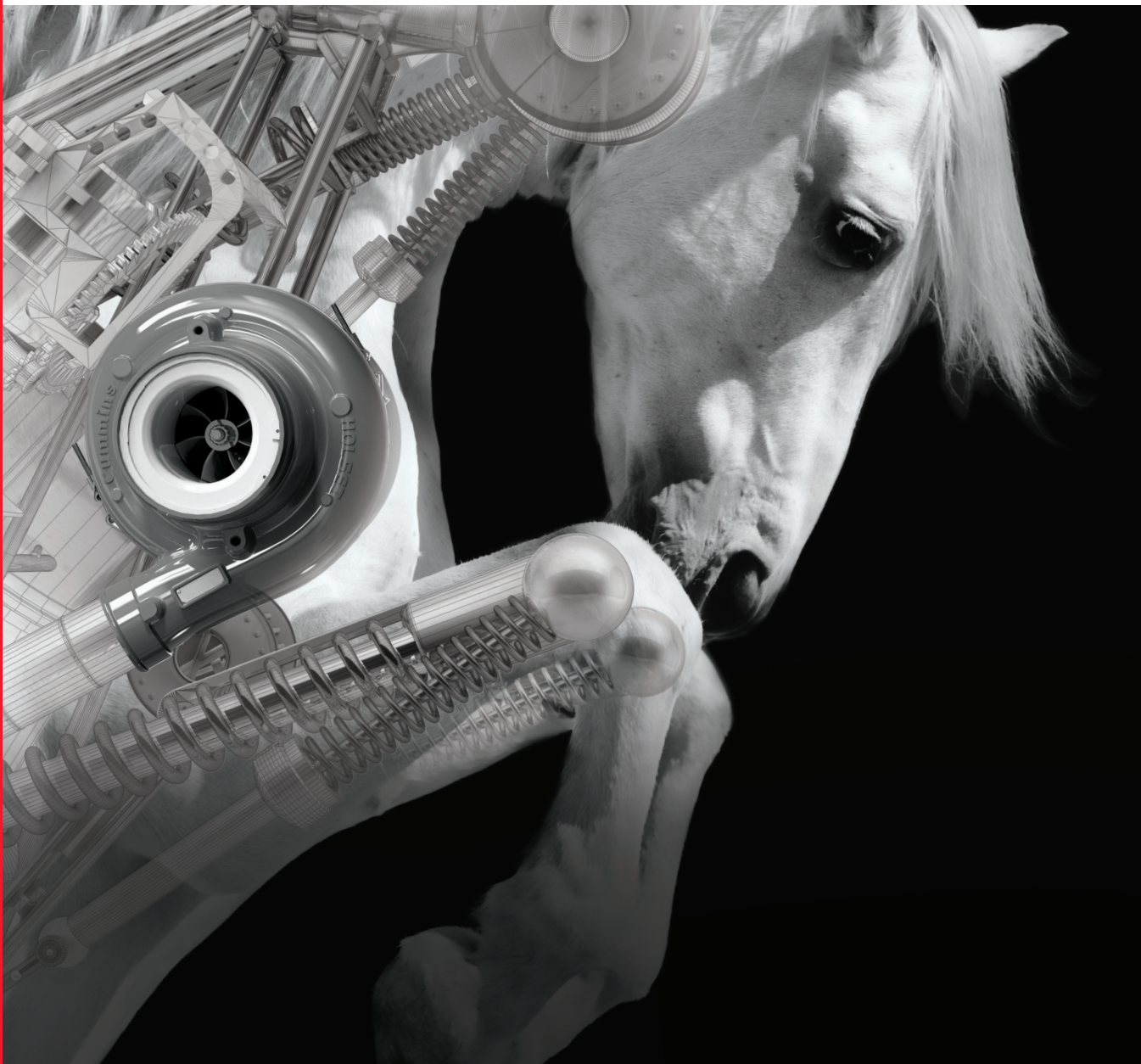




**Turbo
Technologies**

Power with the right pedigree

Large turbocharger range for 16 liters and above



Series 900 —

Features and benefits

Series 900 a new addition to our range of larger turbochargers

The new Series 900 will enhance our selection of large turbochargers for engines 16 liters and above. This addition compliments our current extensive range of versatile solutions with ratings from 600 to 6,400 hp (447-4,707 kW).

At Cummins Turbo Technologies, we have been at the cutting edge of turbocharger technology for over 60 years, constantly innovating and introducing 'Industry Firsts'. Our truly global network of service, technical and manufacturing centers ensures our continuous advances in this diverse range of applications.

Vaned and vaneless compressor stages

For a wide range of high efficient operations. Allows tailoring of performance for various applications, pressure ratios, map width requirements and also allows optimization of efficiency to accommodate both single and two stage operation.

Lead-free and special corrosion resistant bearing systems

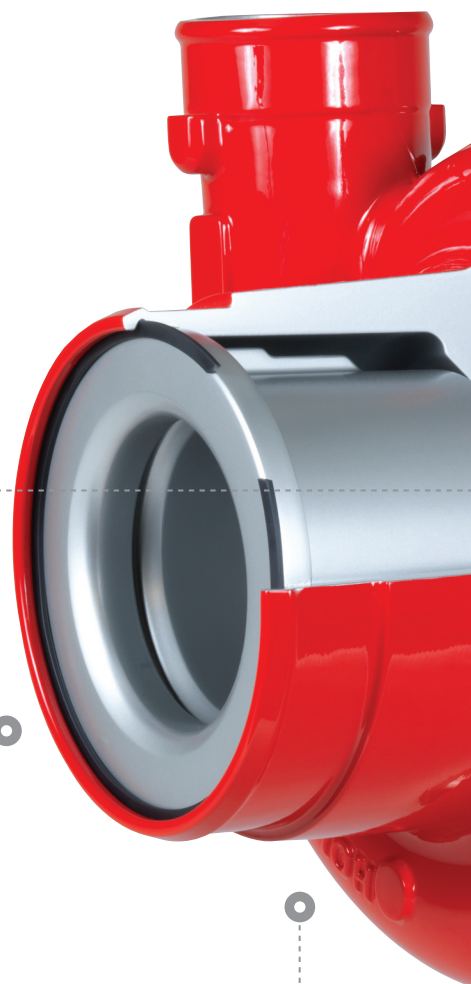
Meets lead-free regulatory requirements. Corrosion resistant bearing systems under development for applications with aggressive/corrosive fuel.

Super Map Width Enhancement

- Improves map width by up to 15%
- Enables downsizing
- Improves driveability
- Wider operating range
- Aids efficiency matching
- Improves fuel economy.

Flexible design for compressor cover outlet

Both hose bead and bolted flange compressor housing outlet designs to accommodate customers diverse needs.



a versatile thoroughbred

Benefits of our new 900 series turbocharger

Inverse impeller design

Using both aluminum and titanium wheels, the designer uses the inverse method of design by specifying the desired flow conditions first, then the software develops the optimized blade shape resulting in the most efficient wheel for the chosen application.

Water cooled bearing housing with available integral speed sensor

Water cooling provides longer life for bearing system. Integral speed sensor allows for enhanced engine protection and diagnostic control schemes. Speed sensor can also be used as service/diagnostic input for troubleshooting reducing service/warranty cost.

High efficiency turbine design

Improved fuel economy and cost savings for customer.

Improved sealing and cooling

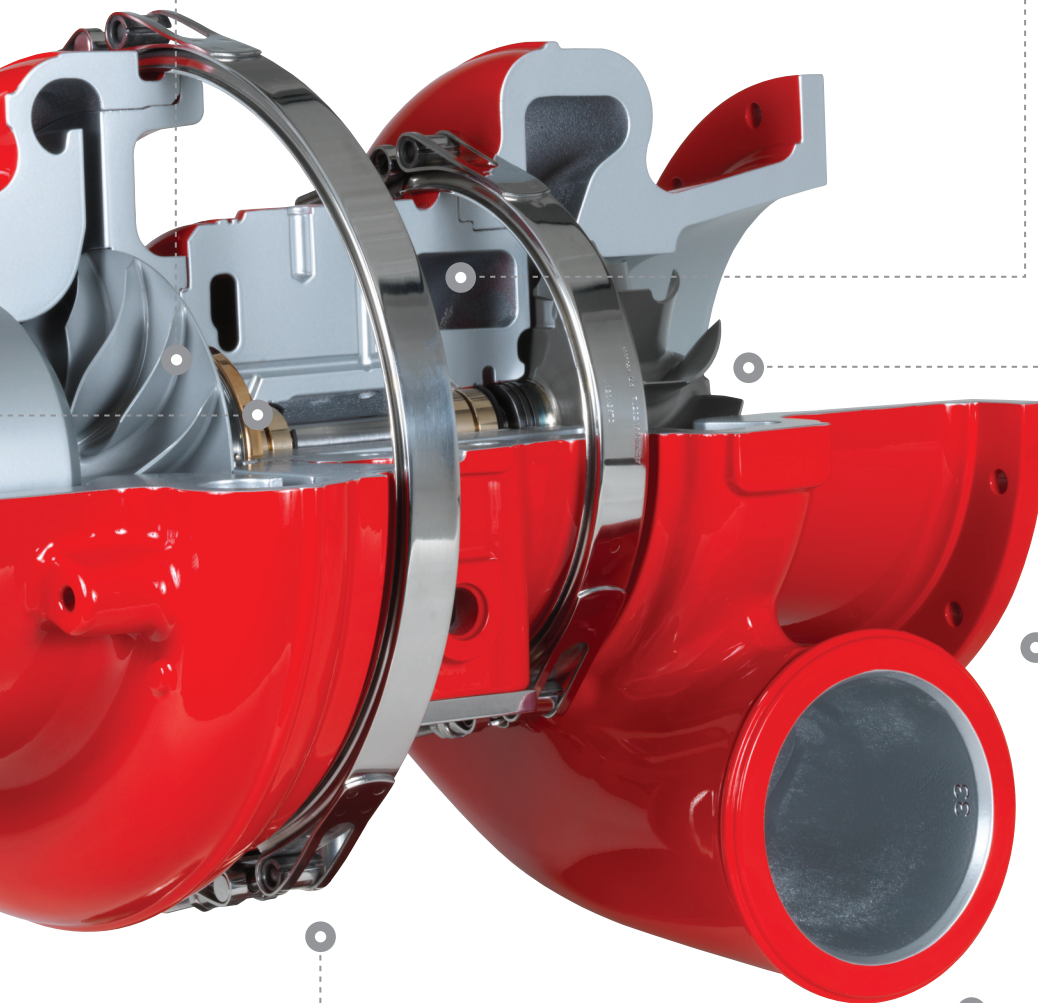
Efficient gas sealing system to substantially reduce the likelihood of oil leakage.

V-band housing connections

V-band connections allow high degree of housing orientation flexibility and ease of service in the field.

Modular design across all variants

Provides common engine connection points for all performance variants within the Series 900 frame size.

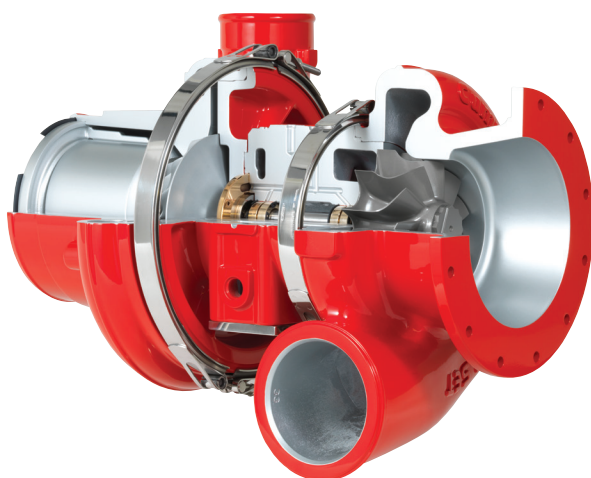
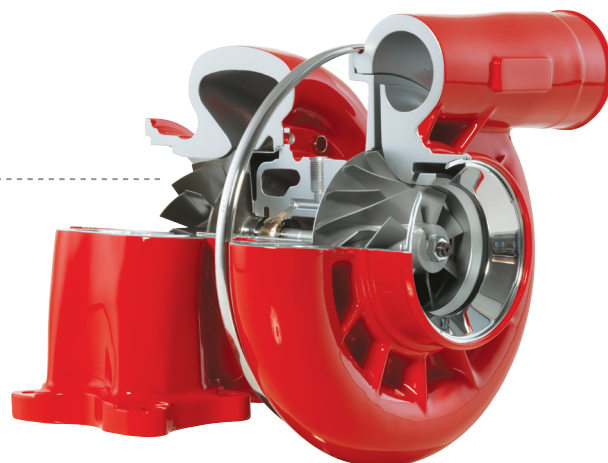


Turbochargers for **16 liters and above**:

Series **800**

Developed over three decades

Supports an expanding catalogue of applications and provides a robust solution to the ever changing demands of emissions management.



Series **900**

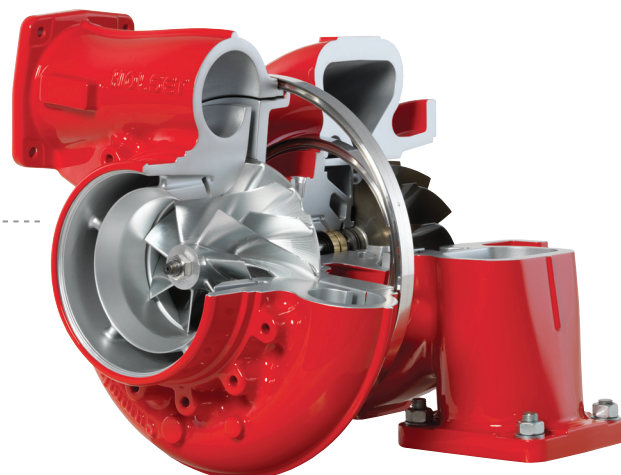
Efficiency improvements

Up to 10% turbocharger efficiency improvements with a significant improvement in operating costs.

Series **1000**

Designed for two-stage engines

Designed for two-stage engines to give optimized performance and reduce service and downtime.



**Turbo
Technologies**

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