150+
Component Care Centers

Corporate Office

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Cummins BS VI

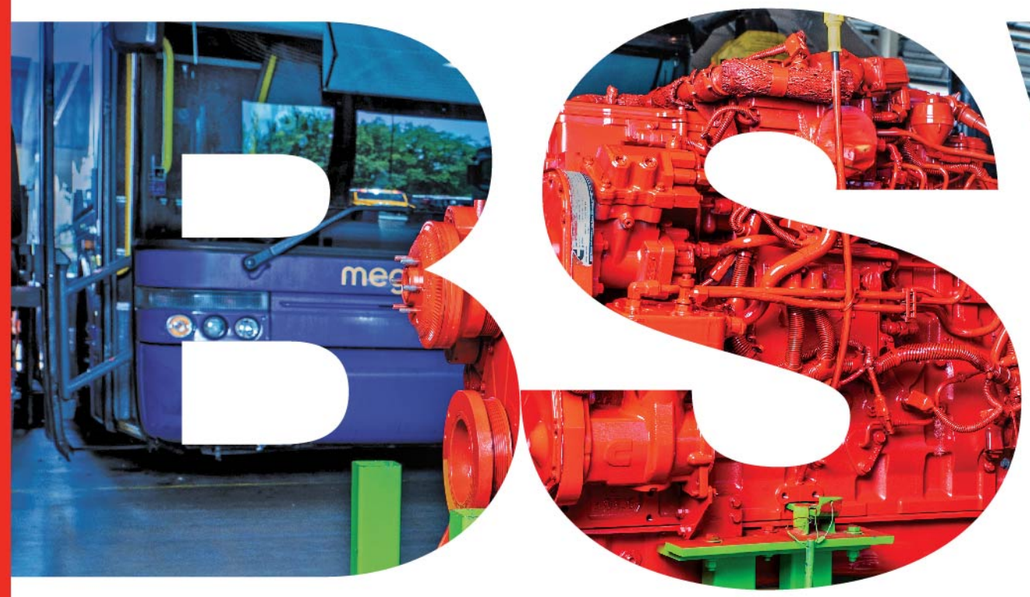
Sophisticated technology made simple to use

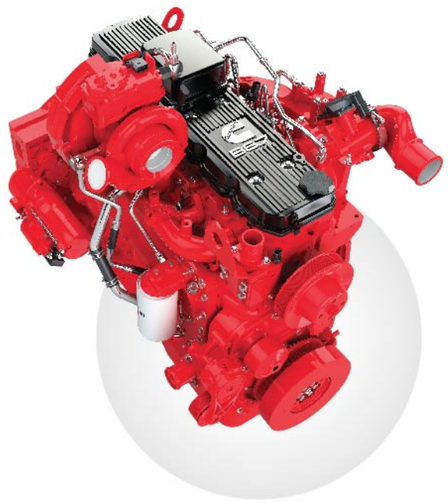
Cummins SCR
JO SARAL, WOH SAFAL.

Cummins BS VI

Cummins BS VI Brochure Size: 210 W x 297 H mm (Closed Size) / 420 W x 297 H mm (Open Size)

Cummins SCR makes life simple





Global expertise and proven technology

Reliable solutions for tension-free operations

Cummins is renowned for its reliable and durable engines with over 2 million of its legendary SCR engines riding the Indian roads today.

With decades of experience in development of innovative technologies, tested over millions of miles in India and across the world, Cummins has successfully implemented EURO VI and equivalent norms globally.

Cummins BS IV solutions with proven SCR technology have been operating on Indian roads. With continuous evolution of engine technology, Cummins is now ready to launch next-level BS VI engines with SCR technologies in India.

This engine, with the same robustness and reliability of the legendary platform, has an integrated aftertreatment system, a next-generation fuel system, and electronic controls, that understand the vehicle's needs better to offer optimum performance.

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Cummins SCR makes life simple

Proven engines, legendary platform.

Robust, reliable, durable.

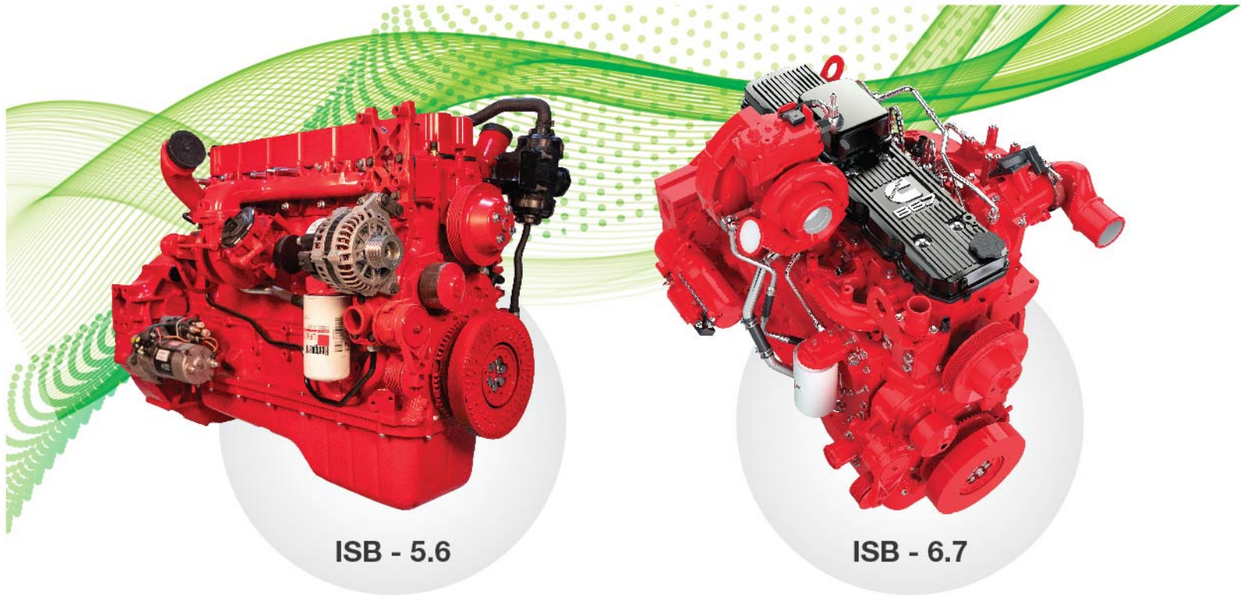
Cummins mid-range common rail fuel system
The proven technology of the Cummins mid-range common rail fuel system delivers a precise quantity of fuel at ultra-high pressures. This together with more robust electronic engine controls, enables multiple injection events per cycle. Flexibility in injection timing maximizes fuel economy and performance while decreasing exhaust emissions.

High performance nano-net filter
Better particle separation efficiency. Additionally it provides better protection to the Cummins Fuel system.

Fully integrated electronic controls
A single higher capacity ECM controls everything from air intake to exhaust treatment for peak performance, and near-zero emissions.

Engine brake
The proven Cummins electronically controlled engine brake opens the exhaust valve to provide maximum braking power and enhances the life of the service brake.

Thermal management
The intake air throttle and exhaust pressure regulator (ETV), ensure better thermal and emission management, leaving combustion pollutants at the lowest levels, almost zero.



Cummins SCR makes life simple

Easy to use Selective Catalytic Reduction

Integrated design, simpler architecture, easy to monitor.

SCR systems have a simpler architecture in comparison to EGR systems.

With regard to Cummins SCR technology, the current transition from BS IV to BS VI is simpler, since there is no major component or process change involved.

Selective Catalytic Reduction (SCR) is an advanced, active emissions control technology system that injects a liquid-reductant agent through a special catalyst into the exhaust stream of a diesel engine.

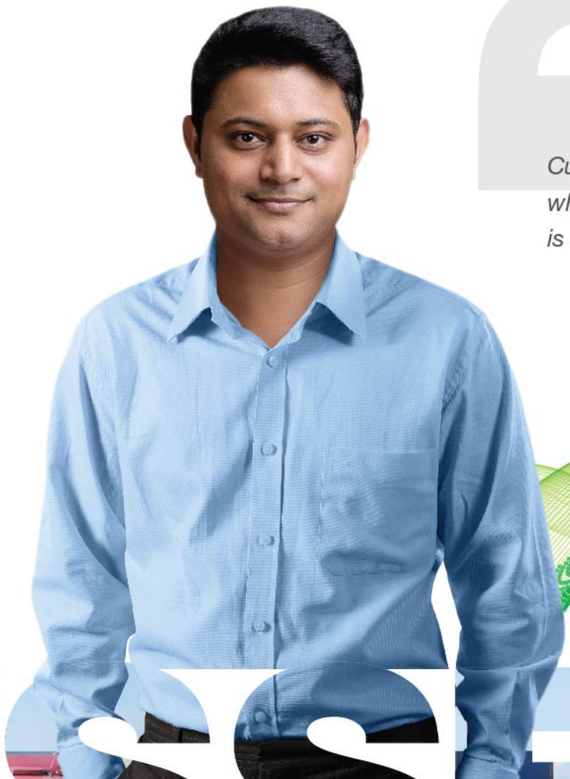
The liquid-reductant agent is automotive-grade urea, otherwise known as Aqueous Urea Solution (AUS). The AUS sets off a chemical reaction that converts nitrogen oxides into nitrogen, water and tiny amounts of carbon dioxide (CO2), natural components of the air we breathe, which is then expelled through the vehicle tailpipe.

Cummins SCR systems have been combined with a diesel particulate filter to achieve even greater emission reductions by way of particulate matter for diesel engines.

Cummins SCR can reduce NOx emissions up to 99 percent while simultaneously reducing HC and CO emissions by 50-90 percent, and PM emissions by 30-50 percent.

Cummins aftertreatment system
The proven Cummins Aftertreatment System consists of the proven Cummins Diesel Exhaust Fluid (DEF) Dozing unit, Exhaust Gas Processor and NOx Monitoring system. The Cummins Diesel Particulate Filter (DFP) ensures near-zero levels of PM, the Selective Catalytic Reduction (SCR) technology utilizes Diesel Exhaust Fluid (DEF) to achieve oxides of nitrogen (NOx) emissions at near-zero levels. This technology has been proven in North America and Europe for years, and has been thoroughly field-tested under the most extreme conditions.

Cummins BS VI SCR makes you successful



Cummins BS VI SCR ensure that what's good for the environment is also good for business

The most cost-effective and fuel-efficient technology

Better fuel economy, more profitability, lowest Total Cost of Operations.

The engine, with its advanced fuel systems and improved combustion technology, delivers the best fuel economy.

Combined with Aqueous Urea Solution (AUS), Cummins SCR offers better fuel and fluid economy.

BS VI electronic engines offer better performance peak torque range as compared to mechanical engines. This results in better fuel efficiency due to lesser gear shifts, as well as better drivability.

It offers new advanced electronic features like FE switch, LBSC (load based speed control), VAM (vehicle acceleration management), duty cycle calibration tuning etc which further improve fuel economy.

With its customer-first approach, Cummins' BS VI Engines offer features like the Cummins Intebrake, a unique compression braking technology that offers better safety to the vehicle, and increases service brake life, reducing costs.

It features advanced filtration technology which helps extend service intervals and also addresses inferior fuel quality issues.

The remote monitoring system with self-service notifications for Customer - reports engine faults and the most likely root cause (s).

Detection of mission critical performance of the engine translating to reduced Field Failures and identifying issues, significantly sooner.

High frequency data logging coupled with Cummins Advanced Analytics capabilities would enable prognostics capability for your engine over a period of time.

Telematics

Connected Diagnostics uses advanced telematics to wirelessly connect your engine to Cummins for remote diagnosis of engine system issues and provides you with valuable information at your fingertips.

- Remote sensing and diagnostics of your engine
- Critical for complex parameters monitoring & performance deterioration tracking
- Better fleet control & optimal resource utilization through near real time tracking

Cummins BS VI SCR makes you successful

Components Care Centres

Responsive servicing for maximum uptime and higher productivity

Cummins has specially created Components Care Centers (CCC) Equipped with world-class laboratories, dedicated workstations with latest technologies and technicians on site.

These Centers will cater to all components service requirements for BS IV and BS VI emission norms and are a first of their kind in India.

With new emissions standards and increasing complexities in BS VI electronic engines, aftertreatment systems, fuel systems, on-board diagnostic (OBD)requirements and engine brakes, Cummins ensures best-in-class after-sales service.

Cummins component technologies deliver integrated solutions for air handling, fuel and aftertreatment systems, that meet ever-growing demands for efficiency, durability and optimized performance.

With expertise demonstrated across critical engine components, including turbochargers, filters, fuel systems and aftertreatment systems, Cummins is the industry-leader with its component technologies

Well-equipped technicians to provide prompt solutions to any service request using the latest support technologies.

Experts with advanced technical training.
Latest support technologies.
Unmatched network of aftermarket support.
Unparalleled service quality across the country.


Electronic Control Module


Doser


Fuel System


Turbocharger

Cummins BS VI SCR makes you successful

Cummins Training Outreach Program

Ensuring quick maintenance capability countrywide

Purpose and Benefits

- Training Vans will travel to OEM Dealerships, authorized workshops to train Technicians, Body builders, Drivers & Customers. Inside these vans, hands-on training will be given, eliminating time-consuming travel to Centralized Training centers.
- Effective and faster way of creating awareness about the product and its capabilities.
- Proper training facilitates optimum usage of product and reduces user-induced issues and warrantable failures.

Equipment and Functions

Every Training Van is equipped with LCD TV, Engine parts cut section, SCR system cut-section and a BS VI engine.

Engine & SCR are connected with live wiring harness and powered by DC supply for static fault code simulation.

INSITE can be connected and functions like fault code reset, actuation test etc. can be performed.