



EVERY TRACK QSL9

FOR RAIL APPLICATIONS

FEATURES AND BENEFITS

Full-Authority Electronic Controls: Provide seamless integration with other components to optimize engine operation.

High-Pressure Common-Rail Fuel System: Allows multiple injection events for cleaner, quieter operation with consistent performance at every rpm. Also improves cold-weather starting.

Stiffer Block and Head: For reduced noise and vibration. Fluid circuits are integrated, replacing hoses and eliminating potential leaks.

Cummins Wastegated Turbocharger: Delivers maximum power and torque.

Mid-Stop Cylinder Liners: Reduce cavitation and improve rebuildability.

Heavy-Duty Roller Followers: Cam roller followers give the QSL superior durability and cam life.

Two-Stage Dual Fuel Filtration: Provides a balanced level of particle separation to maximize fuel filter life and protect the vital fuel system components.

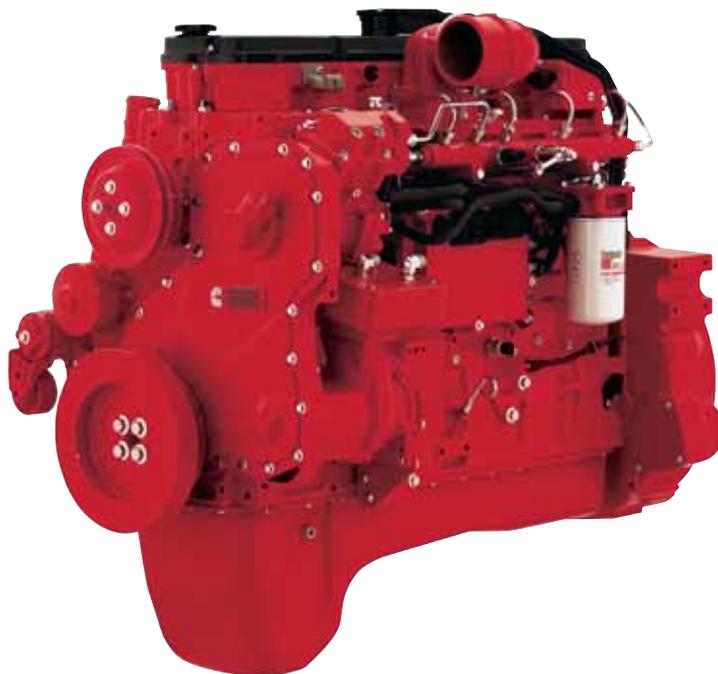
Improved Piston Design: Symmetrical piston bowl combines with centered injectors to deliver optimal combustion.

Heavy-Duty Lube System: Targeted piston cooling and increased lube flow to the power cylinder result in increased piston reliability and durability. Improved lube and bypass filtration system increase ring and bearing life by as much as 63%.

Improved Crankcase Ventilation: Virtually eliminates oil carryover.

Valve Cover and Gasket: Isolated design with perimeter bolting for better sealing and improved reliability.

Optional Rear Engine Power Take Off (REPTO): Provides additional capacity for driving remote-mounted devices.



Maintenance Intervals:

Engine Oil	up to 500 hours
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Ratings:

Application	Available Ratings bhp (kW)	Emissions US EPA MOH / EU
Locomotive/DMU	250-350 (187-272)	Tier 3 / Stage IIIA
Track Machinery	250-350 (187-272)	Tier 3 / Stage IIIA
Rail Auxiliary Power	182-275 kWe – 60Hz	Tier 3
Rail Auxiliary Power	200-300 kVA – 50Hz	Stage IIIA

Other ratings may be available. Please contact Cummins for more information.

The Tier 3/Stage IIIA QSL9 engine is one of the Quantum Series of rail engines from Cummins with innovative technology that delivers more for less.

The QSL9 has more power, more torque and higher durability – all while achieving lower fuel consumption, lower emissions and less servicing. Using the Cummins PowerMatch tool set, it is possible to custom-tailor the engine torque curves and calibration features to the specific operation of the equipment. This means higher productivity and fuel efficiency benefits for the rail operator.

The QSL9 has been designed with features which include:

- Tier 3/Stage IIIA emissions capability
- increased durability and reliability
- lower total life costs of ownership
- high power and torque

The QSL9 is designed to provide the operator superior value and reliability, while meeting stringent worldwide emissions standards.

Cummins PowerMatch benefits:

- tailors engine performance to specific rail applications and equipment models
- advanced electronics are used to enhance power curves and trim ratings taking into account the work environment, load factors, ambient temperatures and operating modes
- customizes torque curves for optimum performance

Specifications:

Engine type	In-line, 6-cylinder
Displacement	543 CU inches, 8.9 liters
Bore and stroke	4.49 x 5.69 inches, 114 x 144.5mm
Aspiration	Turbocharged / charge air cooled
Oil system capacity	24 U.S. QT, 22.7 liters

Dimensions*:

Length	44.4 inches	1,128mm
Width	27.7 inches	704mm
Height	45.9 inches	1,166mm
Wet weight	1,627 lb	738 kg

*dependent on customer specific options



Cummins powered Harsco tamping machine

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