



EVERY TRACK QSM11

FOR RAIL APPLICATIONS

FEATURES AND BENEFITS

Electronic Engine Management: Provides superior performance, fuel efficiency, diagnostics and prognostics using full-authority electronics. Its programmable features let you customize engine performance to equipment use.

High-Capacity ECM: New space-efficient Electronic Control Module packs ten times more memory and ten times more processing power.

Sealed Sensors: Fully sealed to resist water intrusion. Combined temperature and pressure sensors reduce inventory and simplify maintenance with increased reliability.

Advanced Combustion Technology: Optimized injector tips and a reshaped steel piston bowl improve fuel economy and emissions control with longer oil change intervals.

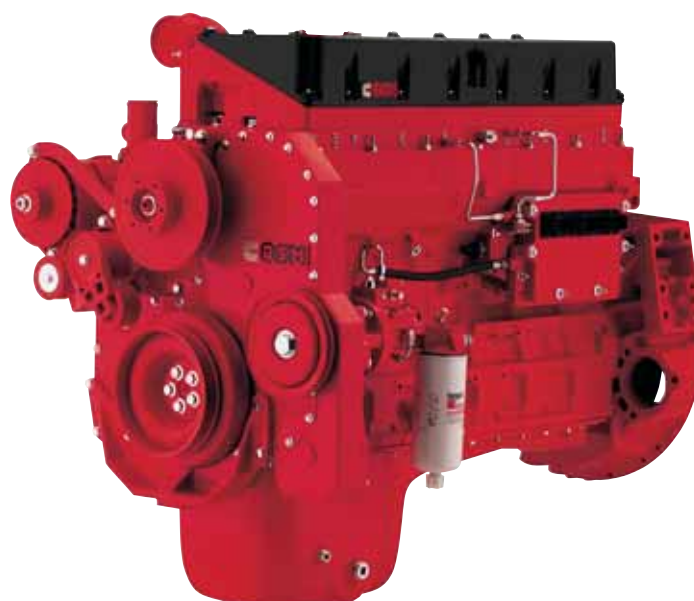
Articulated Pistons and Liners: Steel-topped pistons handle higher cylinder temperatures for improved fuel efficiency and emissions control. Patented mid-stop cylinder liners resist cavitation and extend life-to-overhaul.

Improved Camshaft Durability: Exhaust valve lobes are designed to improve wear tolerance. The injector lobe profile has been revised to optimize injection.

Cummins HX55 Wastegated Turbo: Designed for optimum boost, it improves throttle response across the operating range.

Venturi™ Oil Filter and Lube System: 10-micron LF9001 filter combines with a new lubrication system. Can double oil change intervals – up to 700 hours in some applications.

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



Maintenance Intervals:

Engine Oil	up to 700 hours
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Ratings:

Application	Available Ratings bhp (kW)	Emissions US EPA MOH / EU
Locomotive/DMU	250-400 (187-298)	Tier 3 / Stage IIIA
Track Machinery	250-400 (187-298)	Tier 3 / Stage IIIA
Rail Auxiliary Power	200-300 kWe – 60Hz	Tier 3 / Stage IIIA

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

The Tier 3/Stage IIIA QSM11 engine is one of the Quantum Series of rail engines from Cummins with innovative technology that delivers more for less.

The QSM11 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 QSM11 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 QSM11 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	660 CU inches, 10.8 liters	
Bore and stroke	4.92 x 5.79 inches, 125 x 147mm	
Aspiration	Turbocharged / charge air cooled	
Oil system capacity	41 U.S. QT, 39 liters	

Dimensions*:

Length	51.4 inches	1,306mm
Width	36.0 inches	914mm
Height	50.4 inches	1,280mm
Wet weight	2,170 lb	984 kg

*dependent on customer specific options



QSM11 powered diesel multiple unit

WORLDWIDE SUPPORT. EVERYTIME.

Global Support Network – Backed by the strength of the Cummins global network of over 5,500 service locations in 160 countries.

Comprehensive Warranty Coverage – Cummins engines include comprehensive, worldwide warranty. Extended coverage options are available. See your distributor for more details.

Every Part. Online – Cummins QuickServe Online provides access to one of the most comprehensive and powerful parts and service tools in the industry.

Cummins Online Product Registration – Register your Cummins engine quickly and easily on www.everytime.cummins.com to ensure quality parts and service.

Distributor Expertise – The best source for service, parts, and application assistance. To find your nearest Cummins distributor, go to the Worldwide Service Locator at wsl.cummins.com. If you need further assistance, contact Cummins directly:



Cummins Inc.
Box 3005
Columbus, IN 47202-3005
U.S.A
Tel: 1-800-DIESELS
(1-800-343-7357)
Fax: 1-800-232-6393

www.everytime.cummins.com
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