



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.

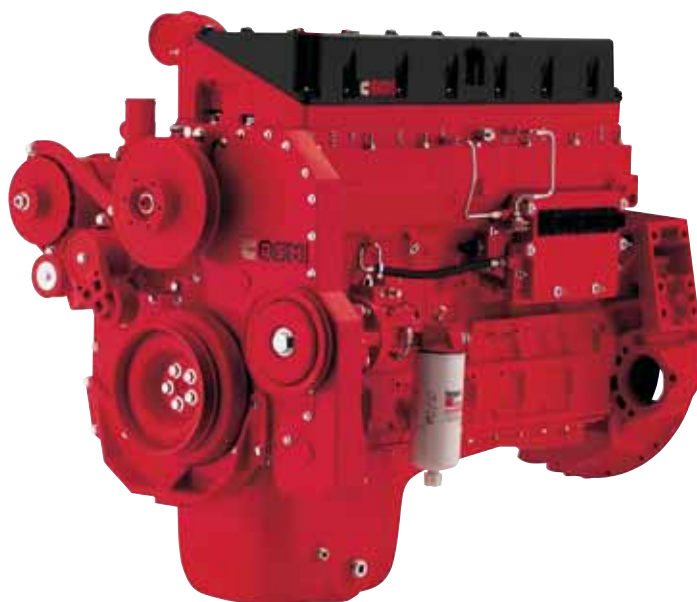
Articulated Pistons and Liners: Steel-topped pistons handle higher cylinder temperatures for improved fuel efficiency and emissions control. Patented mid-stop cylinder liners resist cavitation and extend life-to-overhaul.

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
------------	-----------------

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
 For other countries, see:
everytime.cummins.com/customercenter



Every™ Power.

Cummins Power Products.





In today's business world, you need a total package – one that delivers value of ownership, the most advanced technology and second-to-none support. Cummins Power Products offers a total solution for your power-unit needs, with a full range of diesel and compressed gas products from 60 hp to 1500 hp (45-1119 kW) and options designed to meet your specific needs.

Power By Design.

What is a power unit? Essentially, a power unit is “torque in a box,” specifically engineered to provide a solution for a mechanical power need. Every product we make is powered exclusively by a Cummins engine, the most rugged, reliable and advanced technology available. Customized to the unique specifications necessary to meet your power demands, Cummins Power Products designs the right product, with the right fit, to do the job right, backed by our global parts and service network.

Ready For Tier 4 Final.

Our Tier 4 Final technology solution for power units builds on the proven durability of our Tier 3 and Tier 4 Interim power units. Cummins has a unique advantage in that we design and develop all of the critical engine subsystems and aftertreatment components. Cummins Power Products then upfits the base engine and validates the entire power unit design to offer a completely integrated power package. The total system is optimized to minimize installation impact and achieve the lowest cost of operation.

Every Application.

There is added value in working with Cummins Power Products. We eliminate the need to search for the right components. We have done that for you, and the result is a package designed specifically for your job. We offer turnkey solutions in both open and enclosed platforms from a standard line of base-engine models or a customized unit specifically engineered for a unique piece of equipment in virtually any application. We have the people, processes and products to make it happen. Cummins Power Products employs a qualified engineering staff with decades of experience in Pro/ENGINEER design. Our power units are built for everything from brush chippers and rock crushers to dewatering pumps and rail maintenance units. And if your need for power is larger than that, we also work on mud pumps, frac rigs and other heavy-duty applications.



Durable and reliable power for oil field equipment.



Locomotive and rail maintenance track packs keep business moving.

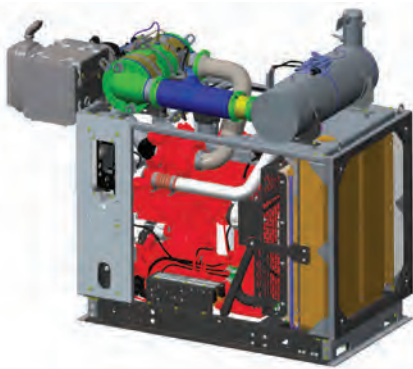
The Cummins Power Products Difference.

Quality. Experience. Support. All customized for you. We don't take these things lightly. Our quality standards are unmatched in the power unit industry. Through our state-of-the-art production processes and a battery of product tests, each power unit provides unparalleled quality and dependability. Since 1997, we have produced over 30,000 power units designed to unique standards. And each one has the backing of Cummins worldwide parts and service network to support you.

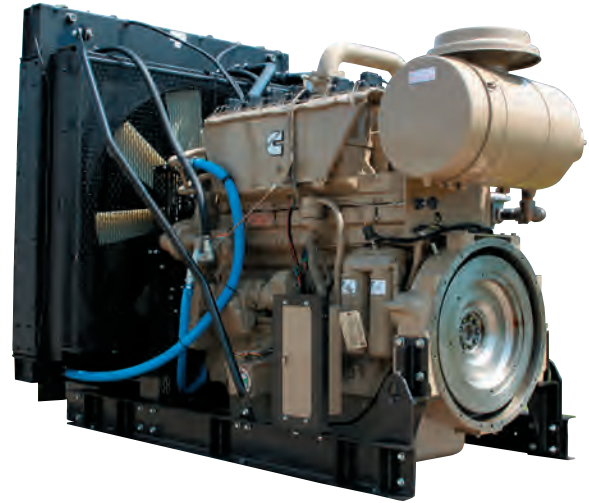
1,500 By Design. One For You.

With over 1,500 options available, a design may already exist to fit your exact need. We have already done the work to meet Tier 4 emissions requirements, with a number of models available. If no existing models meet your need, Cummins Power Products utilizes virtual prototyping to ensure a correct design and fit for your specific application. Our prototyping is very competitive, and allows close accuracy to the actual part production pricing. Some of the customizable options available include:

- Electronic or mechanical controls
- Cooling packages
- Mounting options
- Intake and exhaust locations
- Instrument panel locations



QSB6.7 Tier 4 Final Standard Package



Every Strength.

There is power in our power units. Cummins Power Products power units last longer because they are built better. Our enclosure housings use 12-gauge steel. All metals are powder-coated, which increases chip resistance and allows our units to pass 1,000-hour salt spray tests. Components are bolted, not welded, so they resist mounting distortion and are easier to service. Each engine design is fully tested by Cummins Power Products to meet or exceed Cummins application guidelines. In addition, the electrical systems on each of our power units are tested before they leave our factory. Our power units are built and tested to handle the most extreme conditions.



Cummins Power Products' advanced engineering design process utilizes 3D prototyping in a virtual environment to customize each power unit to the exact needs of the customer and application.

Our Confidence. Total Coverage.

The warranty for Cummins Power Products power units mirrors the Cummins Industrial warranty. The first year is completely covered regardless of the number of hours run. Coverage continues through the second year or until 2,000 hours of operation have been reached (whichever occurs first).

World-Class Service. Every Time.

Cummins Power Products is a global provider of power units. Our value with customers overseas is realized in the dependability and durability of our products. We've shipped units to customers all over the world. Each power unit is backed by Cummins worldwide parts and service network. With over 6,600 authorized service locations around the world, your power unit will have support wherever you need it. Qualified technicians and Genuine Cummins Parts are never far away, even in the most remote location.



Every Advantage.

Cummins QuickServe® offers you factory-trained technicians, the most sophisticated diagnostic and repair tools in the industry and the largest international parts and service network of any engine manufacturer. Our worldwide team of mobile service technicians is always ready to deliver service when and where you need it. Every minute. Every day. Every year. Plus, Cummins distributors have access to an entire library of parts and service information for Cummins engines on the Internet. QuickServe Online provides engine part numbers, diagrams, service bulletins and alerts, up-to-date supersessions and more – 24 hours a day, for nearly 11 million Cummins engines. The Cummins Power Products web site is linked through QuickServe Online for rapid serial number identification.



Every Contact.

Cummins Power Products offer the best long-term value for your equipment needs and cost of ownership, whether your power unit is one of our standard configurations or designed specifically for your application and equipment. To learn more about Cummins Power Units, and to realize the power of our design, contact your local Cummins distributor location. Find out how we can design the exact power to work for you.



Cummins Inc.
Box 3005
Columbus, IN 47202-3005
U.S.A.

Phone: 1-800-DIESELS™ (1-800-343-7357)
Fax: 1-800-232-6393
Internet: cumminsenines.com

[Twitter.com/CumminsEngines](https://twitter.com/CumminsEngines)
[YouTube.com/CumminsEngines](https://www.youtube.com/CumminsEngines)

Bulletin 4087018 Printed in U.S.A. Rev. 8/16
©2016 Cummins Inc.