



EVERY TRACK QSX15

FOR RAIL APPLICATIONS

FEATURES AND BENEFITS

High Pressure Injection Fuel System (HPI): Cummins HPI system injects fuel at up to 30,000 psi (206,842 kPa) for improved response and fuel economy. Continuously variable timing achieves low emissions.

Quantum System Electronic Controls: Programmable features optimize engine performance to specific duty cycles and job requirements. Continuously monitors engine conditions and automatically adjusts for peak operation. Improved durable aluminum channel wiring harness allows easy servicing.

Dual Overhead Cams: The first drives the high-pressure fuel system, the second operates the intake and exhaust valves, providing outstanding life and performance.

Heavy-Duty Rings, Pistons and Bearings: Built to last in excess of 21,000 hours (35% load factor) with high-strength alloys.

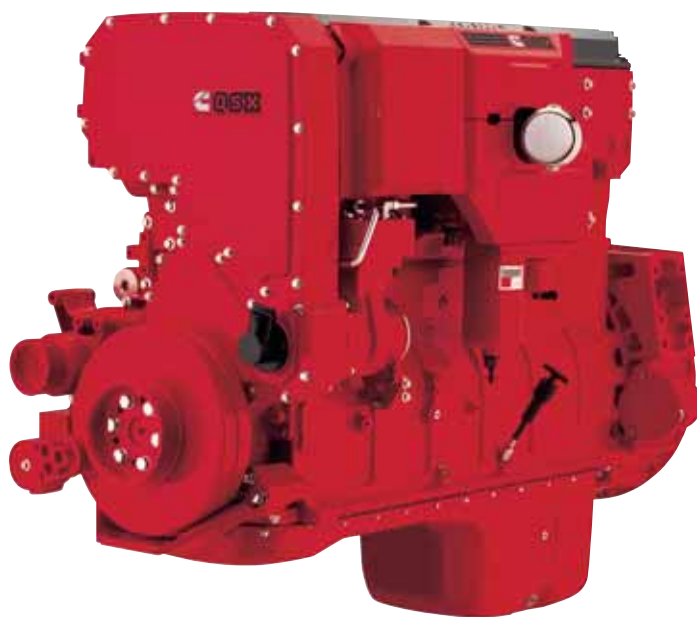
Advanced Electronics: Programmable engine controls optimize combustion at all altitudes and conditions. They provide advanced monitoring, diagnostic, prognostic and reporting capabilities. Plus, they include integrated engine protection features.

Patented Wastegated Turbo: Delivers maximum performance without overboost at high speeds as well as increased airflow at lower speeds for improved responsiveness.

High capacity ECM (Electronic Control Module): Improved ECM with more memory and more processing power.

Available Rear Engine Power Take-Off: Available in SAE A, B, and C drive types with up to 400 hp (298 kW) of capacity.

Less Downtime: due to extended service intervals.



Maintenance Intervals:

Engine Oil	up to 625 hours or 6 months
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Ratings:

Application	Available Ratings bhp (kW) @ rpm	Emissions US EPA MOH / EU
Locomotive / Track Machinery	600 (447) @ 2100	Tier 3 /Stage IIIA
Locomotive / Track Machinery	500 (373) @ 2100	Tier 3/Stage IIIA
Rail Auxiliary Power	Up to 450 KWe – 60Hz	Tier 2
Rail Auxiliary Power	Up to 500 KVA – 50Hz	Tier 2

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

The Tier 3/Stage IIIA QSX15 engine is one of the Quantum Series of rail engines from Cummins with innovative technology that delivers more for less.

The QSX15 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 QSX15 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 QSX15 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	915 CU inches, 15 liters
Bore and stroke	5.39 x 6.65 inches, 137x169mm
Aspiration	Turbocharged / charge air cooled
Oil system capacity	48 U.S. QT, 45.42 liters

Dimensions*:

Length	56.8 inches	1,443mm
Width	40.6 inches	1,032mm
Height	51.1 inches	1,298mm
Dry weight	3,200 lb	1,451 kg

*dependent on customer specific options



QSX15 powered shunting locomotive in Scandinavia

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

Cummins Ltd.
 Royal Oak Way South
 Daventry, Northants
 NN11 8NU
Tel: +44 (0) 1327 886486
Fax: +44 (0) 1327 886115

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