



***For Your Convenience: This Cummins  
File Is Shared By Diesel Parts Direct***



**YOUR ONE STOP SUPERSTORE FOR DIESEL ENGINE PARTS**

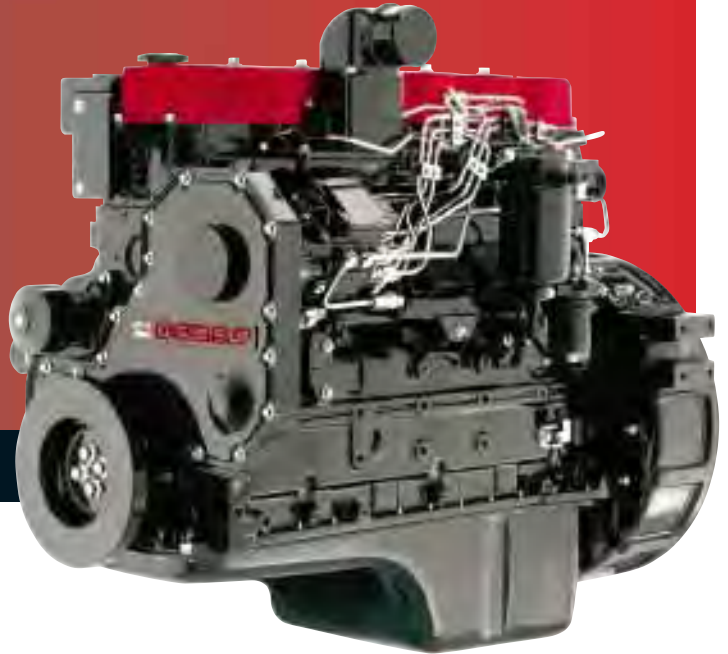
**SHOP NOW**

# QSB5.9



## INDUSTRIAL SPECIFICATIONS

**190-275 HP**  
**142-205 KW**



## PERFORMANCE RATING

**Maximum Horsepower:** 240\* hp  
@ 2500 rpm

**Maximum Torque:** 730 lb-ft  
@ 1500 rpm

**Nominal Torque Rise:** 45%

**Fuel Economy:** .359 lb/bhp-hr  
@ 2500 rpm

\* 275 hp available as a restricted rating

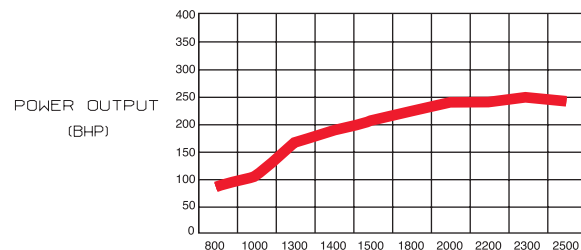
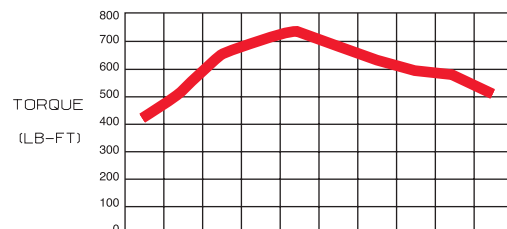
Curves shown represent gross engine performance capabilities obtained and corrected in accordance with SAE J1995 conditions of 100 kPa (29.61 in. Hg) barometric pressure (91m [300 ft.] altitude), 25 °C (77 °F) inlet air temperature, and 1 kPa (0.30 in. Hg) water vapor pressure with No. 2 diesel fuel.

All data is based on the engine operating with fuel system, water pump, and 250 mm H<sub>2</sub>O (10 in. H<sub>2</sub>O) inlet air restriction and with 50 mm Hg (2.0 in. Hg) exhaust restriction; not included are alternator, fan, optional equipment and driven components.

The engine may be operated without changing the fuel setting up to 3040 m (10,000 ft.) altitude and 38 °C (100 °F).

**QSB5.9-240**

**Curve: FR-90626**



# QSB5.9

## KEY FEATURES

**Parent Bore Cylinder Block** Structurally redesigned for reduced noise and increased durability; with integrated water pump, lube pump and cooler housings, and coolant bypass to eliminate leaks.

**Wastegated HX35 Turbocharger** Custom-designed by Holset for high-speed ratings. Wastegated for better low engine speed performance and high engine speed boost.

**Full-Authority Electronic Controls** Cummins proprietary design with a Motorola microprocessor. Industry standard J1587 and J1939 datalinks.

**Forged-Steel Crankshaft** Full fillet-hardened and integrally balanced, with internal cross-drilling for lubrication. Integrated speed indicator ring for precise engine control.

**No-Adjust Overhead** Rocker system designed for minimum 5,000-hour maintenance.

**24-Valve Cylinder Head** Single-piece with integral intake manifold and thermostat housing. Four-valve-per-cylinder configuration increases airflow and enables vertical injector mounting over the center of the piston bowl for improved combustion, low-end torque and fast response.

**New Piston Design** New symmetrical combustion bowl increases power and fuel efficiency, and improves oil control.

**Noise Reduction** Improved sound quality with reduced overall noise level (up to 4 dBA less).

**Low-Maintenance Fuel Filter Assembly** 500-hour fuel filter life with integral water separator and water-in-fuel sensor. Top-load for easy paper filter replacement with standard Fleetguard® filters.

**Electronic Fuel Injection** Features Bosch VP44 electronic fuel pump with higher injection pressures, electronic-controlled timing and fueling for precise and instantaneous control.

## SPECIFICATIONS

Engine Type .....In-line  
Number of Cylinders .....6  
Displacement .....5.9 L (360 cu. in.)  
Bore and Stroke .....4.02 in. (102 mm) x 4.72 in. (120 mm)  
Compression Ratio .....16.3:1  
Oil System Capacity.....14.2 L (15 U.S. qt.)

Coolant Capacity .....9.9 liters (2.62 U.S. gal)  
Length .....39.9 in. (1015 mm)  
Width .....15.6 in. (397 mm)  
Height.....37.7 in. (958 mm)  
Weight (wet) .....962 lbs. (436 kg)

## RATINGS

Engine Model	Rated Power HP RPM	Peak Power HP RPM	Peak Torque LB-FT RPM
QSB5.9-275*	275 @ 2500	275 @ 2300	660 @ 1600
QSB5.9-240*	240 @ 2500	250 @ 2300	730 @ 1500
QSB5.9-220	220 @ 2500	230 @ 2300	705 @ 1500
QSB5.9-205	205 @ 2500	215 @ 2300	650 @ 1500
QSB5.9-190	190 @ 2500	200 @ 2300	600 @ 1500

\*Restricted Rating

Additional ratings may be available. Check with your Cummins distributor or dealer.



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

Phone 1-800-DIESELS (1-800-343-7357)  
Fax 1-800-232-6393  
E-mail: [powermaster@cummins.com](mailto:powermaster@cummins.com)  
Internet: <http://www.cummins.com>

Bulletin 4000090 2/99  
© 1999 Cummins Engine Company, Inc.  
Printed in U.S.A.