

	Cummins Inc. Columbus, Indiana 47201	Basic Engine Model: QSX15-G9 Nonroad 2	Curve Number: FR-10549	<i>G-DRIVE</i> QSX 1
	EXHAUST EMISSIONS DATA SHEET	Engine Critical Parts List: CPL:8587	Date: 17May07	
Displacement : 15 litre (912 in³)		Bore : 137 mm (5.39 in.) Stroke : 169 mm (6.65 in.)		
No. of Cylinders : 6		Aspiration : Turbocharged and Charge Air Cooled		
Emission Control Device: Turbocharger, Charge Air Cooled, Variable Timing				

Engine Speed RPM	Standby Power		Prime Power		Continuous Power	
	kWm	BHP	kWm	BHP	kWm	BHP
1800	563	755	507	680	354	475

US EPA/CARB

This engine, tested in accordance with 40CFR89, is in compliance with the US EPA Nonroad Tier 2 requirements:

Component	g/BHP-hr	g/kW-hr
NOx + NMHC (Oxides of Nitrogen + Non-methane Hydrocarbons)	4.8	6.4
CO (Carbon Monoxide)	2.6	3.5
PM (Particulate Matter)	0.15	0.20

Test Conditions

Test Methods:

EPA/CARB Nonroad emissions recorded per 40CFR89 (ref. ISO8178-1) and weighted at load points prescribed in Subpart E, Appendix A, for Constant Speed Engines (ref. ISO8178-4,D2).

Diesel Fuel Specification:

Cetane Number: 40-48

Sulfur (Wt.%): 0.03 - 0.05

Reference: 40CFR89 Subpart D Appendix A, table 5; ISO8178-5; ASTM D975 No.2-D

Reference Conditions:

Air Inlet Temperature: 25°C (77°F)

Fuel Inlet Temperature: 40°C (104°F)

Barometric Pressure: 100 kPa (29.53 in Hg)

Humidity: 10.7 g/kg (75 grains H₂O/lb) of dry air; required for NOx correction

Restrictions: Intake Restriction set to a maximum allowable limit for clean filter; Exhaust Back Pressure set to maximum allowable limit.

Tests conducted using alternate test methods, instrumentation, fuel or reference conditions can yield different results.