

	Cummins Inc. Columbus, Indiana 47202-3005	Basic Engine Model: QSK23-G7 NR2	Curve Number: FR-50047	<i>G-DRIVE</i> QSK 1
	EXHAUST EMISSIONS DATA SHEET	Engine Critical Parts List: CPL: 2621	Date: 17Oct07	

Displacement : 23.15 litre (1413 in ³)	Bore : 170 mm (6.69 in.) Stroke : 170 mm (6.69 in.)
No. of Cylinders : 6	Aspiration : Turbocharged and Air to Air Aftercooled

Engine Speed rpm	Standby Power		Prime Power		Continuous Power	
	kWm	hp	kWm	hp	kWm	hp
1800	910	1220	809	1085	653	875

US EPA/CARB
 This engine, tested in accordance with 40 CFR 89, is in compliance with the US EPA Nonroad Tier 2 regulations:

Component	g/hp-hr	g/kW-hr
NO_x + HC (Oxides of Nitrogen + Hydrocarbons)	4.8	6.4
CO (Carbon Monoxide)	2.6	3.5
PM (Particulate Matter)	0.15	0.20

Test Methods and Conditions:
 Tests to demonstrate compliance with the regulated levels shown above were conducted per 40CFR89 (ref. ISO8178-1) and weighted at load points prescribed in Subpart E, Appendix A for Constant Speed Engines. (ref. ISO8178-4,D2).

Fuel Specifications:
 40-46 Cetane Number, 0.03 - 0.05 Wt.% Sulfur; Reference ISO8178-5, 40CFR86, 1313-98 Type 2-D and ASTM D975 No. 2 D.

Reference:
 25°C (77°F) Air Inlet Temperature, 40°C (104°F) Fuel Inlet Temperature, 100 kPa (29.53 in Hg) Barometric Pressure; 10.7 g/kg (75 grains H2O/lb) of dry air Humidity (required for NOx correction); Intake Restriction set to maximum allowable limit for clean filter; Exhaust Back Pressure set to maximum allowable limit.