

	CUMMINS INC.		Basic Engine Model	Curve No.	G-Drive
	Columbus, Indiana 47201		QST30-G5 NR2	FR- 5247	QSK 1
	EXHAUST EMISSIONS DATA SHEET		Engine Critical Parts List	Date	
			CPL: 41175	20-Jan-06	
Displacement: : 30.48 litre (1860 in ³)		Bore: 140 mm (5.51 in.)	Stroke: 165 mm (6.50 in.)		
No of Cylinders: 12		Aspiration: Turbocharged and Low Temperature Aftercooled (2 Pump/2 Loop)			
Emissions Control Device: Turbocharging and Aftercooling					

Engine Speed		Standby Power		Prime Power		Continuous Power	
RPM		kWm	BHP	kWm	BHP	kWm	BHP
1800		1111	1490	1007	1350	832	1115

US EPA/CARB

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

Component		g/BHP-hr	g/kW-hr
NOx	(Oxides of Nitrogen)	4.5	6.0
NOx + HC	(Hydrocarbons)	4.8	6.4
CO	(Carbon Monoxide)	2.6	3.5
PM	(Particulate Matter)	0.15	0.20

This Methods and Conditions:

Steady-State emissions recorded per ISO8178-1 during operation at rated engine speed (+/-2%) and stated constant load (+/-2%) with engine temperatures, pressures and emission rates stabilized.

Fuel Specifications:

40 - 48 Cetane Number, 0.03 - 0.05 Wt.% Sulfur; Reference ISO8178-5, 40CFR86, 1313-98 Type 2-D and ASTM D975 No.2-D.

Reference Conditions:

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 allow-able limit for clean filter; Exhaust Back Pressure set to maximum allowable limit.

Data was taken from a single engine test according to the test methods, fuel specification and reference conditions stated above and is subject to engine-to-engine variability. Tests conducted with alternate test methods, instrumentation, fuel or reference conditions can yield different results.

Data Subject to Change Without Notice.