



Engine Performance Data

Cummins Inc

Columbus, Indiana 47202-3005
<http://www.cummins.com>

Power Generation

QSK38-G3

FR 6698

Configuration
D233042GX03

CPL Code
3266

Revision
3-Apr-2009

Compression Ratio: **15:1**

Fuel System: **Cummins MCRS**

Emission Certification: **U.S. EPA Tier 2, CARB Tier 2 (without Centinel)**

Displacement: **2,301 in3 (37.7 L)**

Aspiration: **Turbocharged and Aftercooled**

Engine Speed	Standby Power		Prime Power		Continuous Power	
RPM	bhp	kWm	bhp	kWm	bhp	kWm
1,500	1,641	1,224	1,484	1,107	1,200	895

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/BHP-hr	g/KW-hr
NOx +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 Cetane Number, <0.05 Wt% Sulfur, Reference ISO8178-5, 40CFR86, 1313-98 Type 2-D and ASTM D975 No.2D.

Reference:

25C(77F) Air Inlet Temperature, 40C(104F) Fuel Inlet Temperature, 100kPa(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.