

EXHAUST EMISSION DATA SHEET

MQ POWER GENERATOR SET

Model: CG1000C2



The engine used in this generator set is certified to comply with United States EPA Tier 2 and CARB Mobile Off-Highway emission regulations.

ENGINE DATA

Manufacturer: Cummins	Bore: 5.5 in. (140 mm)
Model: QST30-G5 NR2	Stroke: 6.5 in. (165 mm)
Type: 4-cycle, Diesel	Displacement: 1860 cid (30.5 liters)
Aspiration: Direct Diesel Injection, Turbocharger, Charge Air Cooler, ECM	Compression Ratio: 14.7:1

PERFORMANCE DATA

SAE Gross HP @ 1800 RPM (60 Hz)	1490
Rated Load Fuel Consumption (gal/Hr)	72.2
Rated Load Exhaust Gas Flow (cfm)	7540
Rated Load Exhaust Gas Temperature (°F)	890

United States EPA - Mobile Off-Highway Tier 2 Limits - >751 BHP

Criteria Pollutant	Emission Requirements		Certified Engine Emissions	
NOx (Oxides of Nitrogen as NO2)	N/A	gr/bhp-hr	N/A	gr/bhp-hr
HC (Total Unburned Hydrocarbons)	N/A	gr/bhp-hr	N/A	gr/bhp-hr
NOx + HC (Combined)	N/A	gr/bhp-hr	N/A	gr/bhp-hr
CO (Carbon Monoxide)	2.60	gr/bhp-hr	0.37	gr/bhp-hr
PM (Particulate Matter)	0.14	gr/bhp-hr	0.08	gr/bhp-hr
NMHC (Non-Methane Hydrocarbons)	N/A	gr/bhp-hr	N/A	gr/bhp-hr
NMHC + NOx	4.77	gr/bhp-hr	4.69	gr/bhp-hr

EPA Engine Family:	ACEXL060.AAD	EPA Flex Program
EPA Certificate of Conformance:		
ARB Executive Order:	U-R-002-0641	
Effective Date:	Model Year 2016	

Note: Engine operation with excessive air intake or exhaust restriction beyond factory published maximum limits, or with improper service maintenance, may result in higher emission levels.

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment under the flexibility program provisions. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	FLEXIBILITY PROGRAM ENGINE FAMILY NAME(s)
2016	ACEXL060.AAD ACEXL019.AAD BCEXL0409AAC BCEXL0275AAH CCEXL03.3BAA DCEXL15.0AAK ECEXL06.7AAH ACEXL030.ABA

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2423, subpart (d).

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

BE IT FURTHER RESOLVED: Engines certified under this Executive Order shall not be produced before January 1, 2016.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 3 day of November 2015.



Annette Hebert, Chief
 Emissions Compliance, Automotive Regulations and Science Division

U-R-002-0641

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Attachment # 2

Potential Flexibility

Allowance Families

ACEXL060.AAD	D593	U-R-002-0523-1
ACEXL019.AAD	D193	U-R-002-0527-1
BCEXL0409AAC	B313	U-R-002-0567-1
BCEXL0275AAH	B323	U-R-002-0559-1
CCEXL03.3BAA	B782	U-R-002-0572
DCEXL15.0AAK	K103	U-R-002-0590-2
ECEXL06.7AAH	H313	U-R-002-0600
ACEXL030.ABA	B573	U-R-002-0536