

EXHAUST EMISSION DATA SHEET

MQ POWER GENERATOR SET

Model: MQP240



The engine used in this generator set is certified to comply with United States EPA Tier 3 and CARB Mobile Off-Highway emission regulations.

ENGINE DATA

Manufacturer: CUMMINS	Bore: 4.49 in. (114 mm)
Model: QSL9-G3	Stroke: 571 in. (145 mm)
Type: 4-Cycle Diesel, In Line, 6-Cylinder	Displacement: 543 cid (8.9 liters)
Aspiration: Turbocharged, Charge Air Cooled	Compression Ratio: 17.8:1

PERFORMANCE DATA

SAE Gross HP @ 1800 RPM (60 Hz)	399
Rated Load Fuel Consumption (gal/Hr)	19.0
Rated Load Exhaust Gas Flow (cfm)	2040
Rated Load Exhaust Gas Temperature (°F)	1035

United States EPA - Mobile Off-Highway Tier 3 Limits - ≥302 BHP - <603 BHP

Criteria Pollutant	Emission Requirements	Certified Engine Emissions
NOx (Oxides of Nitrogen as NO2)	2.98 gr/bhp-hr	2.54 gr/bhp-hr
HC (Total Unburned Hydrocarbons)	N/A gr/bhp-hr	N/A gr/bhp-hr
NOx + HC (Combined)	Combined gr/bhp-hr	Combined gr/bhp-hr
CO (Carbon Monoxide)	2.61 gr/bhp-hr	1.42 gr/bhp-hr
PM (Particulate Matter)	0.15 gr/bhp-hr	0.13 gr/bhp-hr
NMHC (Non-Methane Hydrocarbons)	N/A gr/bhp-hr	N/A gr/bhp-hr
NMHC + NOx	N/A gr/bhp-hr	N/A gr/bhp-hr

EPA Engine Family:	ACEXL019.AAD	Flex Program
EPA Certificate of Conformance:	N/A	
ARB Executive Order:	U-R-002-0582	
Effective Date:	Model Year 2012	

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-02-003;

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)
2012	See Attachment(s)

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).

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 7 day of December 2011.



Annette Hebert, Chief
 Mobile Source Operations Division

EPA Family Name	Cummins Engine Family	Engine Model	E.O.
BCEXL0409AAC	B313	QSB4.5	U-R-002-0567-1
ACEXL019.AAD	D193	QSL9-C	U-R-002-0527-1
BCEXL0409AAC	B313	QSB4.5	U-R-002-0567-1
ACEXL019.AAD	D193	QSB6.7	U-R-002-0527-1
ACEXL019.AAD	D193	QSM11-C	U-R-002-0527-1
ACEXL019.AAD	D193	QSX15-C	U-R-002-0527-1
BCEXL0409AAC	B313	QSB6.7	U-R-002-0567-1
BCEXL0275AAH	B323	QSB3.3	U-R-002-0559-1
ACEXL019.AAD	D193	QSB6.7	U-R-002-0527-1
ACEXL019.AAD	D193	QSM11-C	U-R-002-0527-1
ACEXL019.AAD	D193	QSB6.7	U-R-002-0527-1
BCEXL0275AAH	B323	B3.3	U-R-002-0559-1
BCEXL0409AAC	B313	QSB3.3	U-R-002-0567-1
ACEXL019.AAD	D193	QSL8.9G	U-R-002-0527-1
ACEXL019.AAD	D193	QSB7-G3	U-R-002-0527-1
BCEXL0275AAH	B323	4BTAA3.3-G7	U-R-002-0559-1
BCEXL0409AAC	B313	QSB5-G1	U-R-002-0567-1
ACEXL019.AAD	D193	QSB5-G6	U-R-002-0527-1
ACEXL019.AAD	D193	QSB7-G5	U-R-002-0527-1
ACEXL019.AAD	D193	QSL9-G1	U-R-002-0527-1
BCEXL0409AAC	B313	QSB3.3	U-R-002-0567-1
ACEXL019.AAD	D193	QSB6.7	U-R-002-0527-1
BCEXL0409AAC	B313	QSB6.7	U-R-002-0567-1
BCEXL0409AAC	B313	QSB4.5	U-R-002-0567-1
BCEXL0409AAC	B313	QSB6.7	U-R-002-0567-1
ACEXL060.AAD	D593	QSK38-C	U-R-002-0523-1
ACEXL060.AAD	D593	QSK60-C	U-R-002-0523-1
ACEXL060.AAD	D593	QST30-C	U-R-002-0523-1
ACEXL019.AAD	D193	QSB6.7	U-R-002-0527-1
BCEXL0409AAC	B313	QSB4.5	U-R-002-0567-1
BCEXL0409AAC	B313	QSB6.7	U-R-002-0567-1
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BCEXL0275AAH	B323	QSB3.3	U-R-002-0559-1
ACEXL019.AAD	D193	QSL8.9G	U-R-002-0527-1
ACEXL019.AAD	D193	QSL9	U-R-002-0527-1
ACEXL019.AAD	D193	QSC8.3	U-R-002-0527-1
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ACEXL019.AAD	D193	QSX15-C	U-R-002-0527-1
ACEXL060.AAD	D593	QSK50-C	U-R-002-0523-1
ACEXL060.AAD	D593	QSK23-C	U-R-002-0523-1
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BCEXL0409AAC	B313	QSB4.5	U-R-002-0567-1

BCEXL0275AAH	B323	QSB3.3	U-R-002-0559-1
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ACEXL019.AAD	D193	QSX15-C	U-R-002-0527-1
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ACEXL019.AAD	D193	QSB6.7	U-R-002-0527-1
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ACEXL019.AAD	D193	QSB6.7	U-R-002-0527-1
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ACEXL019.AAD	D193	QSM11-C	U-R-002-0527-1
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