

EXHAUST EMISSION DATA SHEET

MQ POWER GENERATOR SET

Model: DCA40SSKU



The engine used in this generator set is certified to comply with United States EPA Tier 4i and CARB Mobile Off-Highway emission regulations.

ENGINE DATA

Manufacturer: KUBOTA	Bore: 3.86 in. (98 mm)
Model: V3300	Stroke: 4.33 in. (110 mm)
Type: 4-Cycle, In-Line, 4-cylinder, Diesel	Displacement: 202 cid (3.31 liters)
Aspiration: Naturally Aspirated. Direct Injection	Compression Ratio: 22.6:1

PERFORMANCE DATA

SAE Gross HP @ 1800 RPM (60 Hz)	48.9
Rated Load Fuel Consumption (gal/Hr)	2.6
Rated Load Exhaust Gas Flow (cfm)	230
Rated Load Exhaust Gas Temperature (°F)	930

United States EPA - Mobile Off-Highway Tier 4i Limits - 25.5 ≤ BHP ~ < 49.6 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)	5.59 gr/bhp-hr	4.70 gr/bhp-hr
CO (Carbon Monoxide)	4.10 gr/bhp-hr	0.89 gr/bhp-hr
PM (Particulate Matter)	0.22 gr/bhp-hr	0.11 gr/bhp-hr

EPA Engine Family:	CKBXL03.3BCC	EPA Flex Program
EPA Certificate of Conformance:		
ARB Executive Order:	U-R-025-0592	
Effective Date:	Model Year 2013	

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)
2013	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 11th day of January 2013.


 Annette Hebert, Chief
 Mobile Source Operations Division

Reported Families for 2013

7KBXL02.0FCD
7KBXL03.3ACD
BKBXL03.6BAD
BKBXL03.8AAC
BKBXL03.8AAD
CKBXL.276KCB
CKBXL.325KCB
CKBXL.325NCB
CKBXL.416KCB
CKBXL.719KCB
CKBXL.719KCC
CKBXL.898KCB
CKBXL01.0BCC
CKBXL01.1BCB
CKBXL01.3BCB
CKBXL01.3BCD
CKBXL01.3DCC
CKBXL01.5BAD
CKBXL01.5BCC
CKBXL01.5BCD
CKBXL01.5FAD
CKBXL01.5FCC
CKBXL01.7BCD
CKBXL02.0FAC
CKBXL02.0FCC
CKBXL02.0FCD
CKBXL02.2FCC
CKBXL02.2FCD
CKBXL02.4ECD
CKBXL02.4FAD
CKBXL02.4FCC
CKBXL02.4FCD
CKBXL02.4GAD
CKBXL02.4HAD
CKBXL02.6EAD
CKBXL03.3BCC
CKBXL03.3CAD
CKBXL03.3DAD
CKBXL03.6BAC
CKBXL03.6BAD
CKBXL03.6BCD
CKBXL03.6DAD
CKBXL03.8AAC
CKBXL03.8BCC

Attachment

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Date: 1/4/2013