

# EXHAUST EMISSION DATA SHEET

## MQ POWER GENERATOR SET

Model: DCA-600SSV



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:	VOLVO	Bore:	5.67 in. (144 mm)
Model:	TAD1642GE	Stroke:	6.50 in. (165 mm)
Type:	4-Cycle, In-Line, 6-cylinder, Diesel	Displacement:	984 cid (16.1 liters)
Aspiration:	Turbocharged, Charge Air Cooler, ECM	Compression Ratio:	16.5:1

### PERFORMANCE DATA

SAE Gross HP @ 1800 RPM (60 Hz)	810
Rated Load Fuel Consumption (gal/Hr)	33.1
Rated Load Exhaust Gas Flow (cfm)	4153
Rated Load Exhaust Gas Temperature (°F)	954

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)	2.61 gr/bhp-hr	0.52 gr/bhp-hr
PM (Particulate Matter)	0.15 gr/bhp-hr	0.07 gr/bhp-hr
NMHC (Non-Methane Hydrocarbons)	N/A gr/bhp-hr	N/A gr/bhp-hr
NMHC + NOx	4.77 gr/bhp-hr	4.03 gr/bhp-hr

EPA Engine Family:	AVPXL16.1ACB	EPA Flex Program
EPA Certificate of Conformance:		
ARB Executive Order:	U-R-014-0133	
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	AVPXL12.8BCA, AVPXL16.1ACW, AVPXL09.4BAA AVPXL16.1ACG, AVPXL16.1ACB, AVPXL16.1BEA

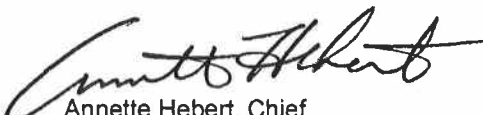
**BE IT FURTHER RESOLVED:** That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2423, subpart (d).

**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 4 day of January 2013.

  
 Annette Hebert, Chief  
 Mobile Source Operations Division