

# 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

<b>Manufacturer:</b> VOLVO	<b>Bore:</b> 5.67 in. (144 mm)
<b>Model:</b> TAD1642GE	<b>Stroke:</b> 6.50 in. (165 mm)
<b>Type:</b> 4- Cycle, in-line, 6 Cylinder, Diesel	<b>Displacement:</b> 984 cid (16.1 liters)
<b>Aspiration:</b> Turbocharger Air Cooler. ECM,	<b>Compression Ratio:</b> 16.5:1

### PERFORMANCE DATA


SAE Gross HP @ 1800 RPM (60 Hz)	809
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

<b>EPA Engine Family:</b>	AVPXL16.1ACB	EPA Flex Program
<b>EPA Certificate of Conformance:</b>		
<b>ARB Executive Order:</b>	U-R-014-0138	
<b>Effective Date:</b>	Model Year 2014	

*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.*

California Environmental Protection Agency  <b>Air Resources Board</b>	AB VOLVO PENTA	<b>EXECUTIVE ORDER U-R-014-0138</b> New Off-Road Compression-Ignition Engines
--	----------------	---

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)
2014	AVPXL12.8BCA, AVPXL16.1ACW, AVPXL09.4BAA AVPXL16.1ACG, AVPXL16.1ACB, AVPXL16.1BEA

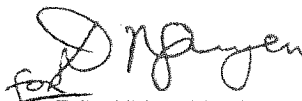
**BE IT FURTHER RESOLVED:** That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2423, subpart (d).

**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 24<sup>th</sup> day of December 2013.

  
 for Erik White, Chief  
 Mobile Source Operations Division