

**EXHAUST EMISSION DATA SHEET**  
**MQ POWER INDUSTRIAL GENERATOR SET**  
**Model: KD450V**



**The engine used in this generator set is certified to comply with United States EPA Tier 1 and CARB Mobile Off-Highway emission regulations when tested per ISO 8178 D2.**

<b><u>ENGINE DATA</u></b>			
Make/Model:	VOLVO ~ TAD1631GE	Bore:	5.67 in. (144 mm)
Type:	4-Cycle, In-Line, 6-Cylinder, Diesel	Stroke:	6.5 in. (165 mm)
Aspiration:	Turbocharged, Aftercooled	Displacement:	984 cid (16 liters)
		Compression Ratio:	15:1
<b><u>PERFORMANCE DATA</u></b>			
SAE Gross HP @ 1800 RPM (60 Hz)	757		
Rated Load Fuel Consumption (gal/Hr)	32.9		
Rated Load Exhaust Gas Flow (cfm)	4117		
Rated Load Exhaust Gas Temperature (F)	1035		

<b>United States EPA - Mobile Off-Highway Tier 1 Limits - &gt;751 BHP</b>			
Criteria Pollutant	Emission Requirements		Certified Engine Emissions
NOx (Oxides of Nitrogen as NO2)	6.86	gr/bhp-hr	6.26 gr/bhp-hr
HC (Total Unburned Hydrocarbons)	0.97	gr/bhp-hr	0.37 gr/bhp-hr
CO (Carbon Monoxide)	8.50	gr/bhp-hr	0.45 gr/bhp-hr
PM (Particulate Matter)	0.40	gr/bhp-hr	0.22 gr/bhp-hr
EPA Engine Family: 3VPXL16.0ACB			
EPA Certificate of Conformance: VPX-NRC1-03-05			
Effective Date: Year 2003			
<i>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.</i>			