

EXHAUST EMISSION DATA SHEET
MQ POWER INDUSTRIAL GENERATOR SET
Model: KD400V



The engine used in this generator set is certified to comply with United States EPA Tier 2 and CARB Mobile Off-Highway emission regulations when tested per ISO 8178 D2.

<u>ENGINE DATA</u>			
Make/Model:	VOLVO ~ TAD1242GE	Bore:	5.16 in. (131 mm)
Type:	4-Cycle, In-Line, 6-Cylinder, Diesel	Stroke:	5.91 in. (150 mm)
Aspiration:	Turbocharged, Aftercooled	Displacement:	740.2 cid (12 liters)
		Compression Ratio:	17.5:1
<u>PERFORMANCE DATA</u>			
SAE Gross HP @ 1800 RPM (60 Hz)	602		
Rated Load Fuel Consumption (gal/Hr)	28.4		
Rated Load Exhaust Gas Flow (cfm)	3002		
Rated Load Exhaust Gas Temperature (F)	1049		

United States EPA - Mobile Off-Highway Tier 2 Limits - ≥302 BHP - ≤602 BHP		
Criteria Pollutant	Emission Requirements	Certified Engine Emissions
NOx (Oxides of Nitrogen as NO ₂)	(4.77)* gr/bhp-hr	(4.33)* gr/bhp-hr
HC (Total Unburned Hydrocarbons)	(NOx + HC)* Combined	(NOx + HC)* Combined
CO (Carbon Monoxide)	2.61 gr/bhp-hr	0.52 gr/bhp-hr
PM (Particulate Matter)	0.15 gr/bhp-hr	0.11 gr/bhp-hr
EPA Engine Family: 2VPXL12.1ACB		
Effective Date: Year 2002		
<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>		