

EXHAUST EMISSION DATA SHEET
MQ POWER INDUSTRIAL GENERATOR SET
Model: KD300V



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 ~ TAD1240GE | Bore: | 5.16 in. (131 mm) |
| Type: | 4-Cycle, In-Line, 6-Cylinder, Diesel | Stroke: | 5.91 in. (150 mm) |
| Aspiration: | Turbocharged, Charge Air Cooler | Displacement: | 740 cid (12 liters) |
| | Electronic Control Module | Compression Ratio: | 18.5:1 |
| <u>PERFORMANCE DATA</u> | | | |
| SAE Gross HP @ 1800 RPM (60 Hz) | 462 | | |
| Rated Load Fuel Consumption (gal/Hr) | 23.8 | | |
| Rated Load Exhaust Gas Flow (cfm) | 2543 | | |
| Rated Load Exhaust Gas Temperature (F) | 914 | | |

| United States EPA - Mobile Off-Highway Tier 2 Limits - ≥302 BHP - ≤602 BHP | | | | |
|---|------------------------------|-----------|-----------------------------------|-----------|
| Criteria Pollutant | Emission Requirements | | Certified Engine Emissions | |
| NOx + NMHC (*Combined) | (*4.77) | gr/bhp-hr | (*4.32) | gr/bhp-hr |
| CO (Carbon Monoxide) | 2.61 | gr/bhp-hr | 0.52 | gr/bhp-hr |
| PM (Particulate Matter) | 0.15 | gr/bhp-hr | 0.11 | gr/bhp-hr |
| EPA Engine Family: | 3VPXL12.1ACB | | | |
| EPA Certificate of Conformance: | VPX-NRCI-03-04 | | | |
| 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> | | | | |