

**EXHAUST EMISSION DATA SHEET**  
**MQ POWER INDUSTRIAL GENERATOR SET**  
**Model: KD500V**



**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, Charge Air Cooler      | Displacement:      | 984 cid (16 liters) |
|                                        |                                      | Compression Ratio: | 15.0:1              |
| <b><u>PERFORMANCE DATA</u></b>         |                                      |                    |                     |
| SAE Gross HP @ 1800 RPM (60 Hz)        | 759                                  |                    |                     |
| 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>                                                                                                                           |                              |           |                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------|-----------------------------------|
| <b>Criteria Pollutant</b>                                                                                                                                                                           | <b>Emission Requirements</b> |           | <b>Certified Engine Emissions</b> |
| NOx (Oxides of Nitrogen as NO2)                                                                                                                                                                     | 6.90                         | gr/bhp-hr | 6.26 gr/bhp-hr                    |
| HC (Total Unburned Hydrocarbons)                                                                                                                                                                    | 1.00                         | 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:                                                                                                                                                                                  | 1VPXL16.0ACB                 |           |                                   |
| EPA Certificate of Conformance:                                                                                                                                                                     | VPX-NRCI-01-05               |           |                                   |
| Effective Date:                                                                                                                                                                                     | Year 2001                    |           |                                   |
| <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> |                              |           |                                   |