Exhaust Emission Data Sheet
2660DQLB
50 Hz Diesel Generator Set

Engine Information:

Model:	Cummins Inc. QSK78-G6 Nonroad 1	Bore:	6.69 in. (170 mm)
Type:	4 Cycle, 60°V, 18 Cylinder Diesel	Stroke:	7.48 in. (190 mm)
Aspiration:	Turbocharged and Low Temperature Aftercooled (2 Pump/ 2 Loop)	Displacement:	4735 cu. in. (77.6 liters)
Compression Ratio:	15.3:1		
Emission Control Device:	Turbocharged and Low Temperature Aftercooled (2 Pump/2 Loop)		

	1/4 Standby	1/2 Standby	3/4 Standby	Full Standby	Full Prime	Full Continuous
PERFORMANCE DATA						
BHP @ 1800 RPM	935	1870	2805	3740	3371	2835
Fuel Consumption (gal/Hr)	51.5	92.5	132.1	172.1	156.1	132.4
Exhaust Gas Flow (CFM)	7405	11695	15195	18465	17225	15310
Exhaust Gas Temperature (°F)	660	750	775	845	820	775
EXHAUST EMISSION DATA						
HC (Total Unburned Hydrocarbons)	0.37	0.21	0.15	0.12	0.12	0.14
NOx (Oxides of Nitrogen as NO2)	6.00	5.30	6.20	7.80	7.00	6.30
CO (carbon Monoxide)	0.39	0.43	0.30	0.41	0.36	0.32
PM (Particular Matter)	0.08	0.07	0.04	0.05	0.05	0.04
SO2 (Sulfur Dioxide)	0.13	0.11	0.11	0.11	0.11	0.11
Smoke (Bosch)	0.60	0.70	0.40	0.50	0.40	0.50

All except Smoke are in g/bhp-hr

TEST CONDITIONS

Test Methods:

Steady-state emissions recorded per ISO8178-1 during operation at rated engine speed(+/-2%) and stated constant load (+/-2%) with engine temperatures, pressures and emission rates stblized.

Fuel Specification: 46.5 Cetane Number, 0.035 Wt.% Sulfur; Reference ISO8178-5, 40 CFR86.1313-98 Type 2-D and ASTM D975 No. 2-D.

Reference Conditions:

25 ° C(77 ° F) Air inlet Temperautre, 40 ° C(104 ° F) Fuel Inlet Temperature, 100kPa (29.53 inHg.) Barometric pressure; 10.7 g/kg (75 grains H_2O/lb) of dry air Humidity (required for NOX correction); Intake Restriction set to maximum allowable limit for clean filter; Exhaust Back Pressure set to maximum allowable limit.

Data was taken from a single engine test according to the test methods, fuel specification and reference conditions stated above and is subjected to instrumentation and engine-to-engine variability. Tests conducted with alternate test methods, instrumentation, fuel or reference conditions can yield different results.

Data Subject to Change Without Notice.