

MDG25 | 2.2L | 25kVA

MOBILE DIESEL GENERATOR

EPA Certified: Mobile and Stationary Non-Emergency

ENGINE DATA 25kVA, 60Hz

GENERAL DATA

Model	FT4 4LE2T	
Number of Cylinders	4	
Bore	85 mm	3.35 in.
Stroke	96 mm	3.78 in.
Displacement	2.18 L	133 in. ³
Valves per Cylinder - Intake/Exhaust	2	
Compression Ratio	17.6:1	
Combustion System	Direct Injection	
Aspiration	Turbocharged	
Maximum Crankcase Pressure	0.43 inHg	1.47 kPa
After Treatment	Diesel Oxidation Catalyst	

COOLING SYSTEM

Engine Heat Rejection to Coolant*	24.4 kW	1,390 BTU/min
Coolant Flow (@5 psi Total Head Pressure)	78.0 L/min	20.6 gal/min
Maximum Top Tank Temperature*	95 °C	203 °F
Engine Coolant Capacity	4.1 L	4 qt
Coolant Drawdown Capacity w/o Significant Loss of Flow	10%	

LUBRICATION SYSTEM

Maximum Engine Oil Temperature in Oil Gallery*	115 °C	239 °F
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AIR INTAKE SYSTEM

Engine Air Flow*	2.1 m ³ /min	75.7 ft. ³ /min
Maximum Allowable Air Temperature Rise Ambient to Engine Inlet*	5 °C	9 °F
Allowable Air Intake Restriction w/ New Air Cleaner*	1.7 kPa	6.83 inH ₂ O

FUEL SYSTEM

High Pressure Electronic Common Rail w/ Remote Mounted ECM		
Maximum Inlet Restriction/Pressure	20 kPa	80 inH ₂ O
Maximum Return Pressure	20 kPa	80 inH ₂ O
Maximum Fuel Inlet Temperature at Fuel Pump*	60 °C	140 °F
Fuel Consumption*	8.6 L/hr	2.3 gal/hr

EXHAUST SYSTEM

Exhaust Temperature*	480 °C	896 °F
Exhaust Gas Flow*	5.4 m ³ /min	189.3 ft ³ /min
Allowable Back Pressure for Total Exhaust System		
DOC Mounted on FW HSG*	1.03-2.21 inHg	3.5-7.5 kPa

PERFORMANCE DATA

Rated Power	30 kW	40 HP
Rated Speed	1,800 RPM	

* All values at rated speed and power unless otherwise noted

