

MARINE - Technical Data Sheet

CRUISE, DREDGE, FERRY, FISHING, GENERAL CARGO, GOVERNMENT, OFFSHORE



3516B

1901 ekW/ 60 Hz/ 1800 rpm/ 480 V/ 1 Power Factor

Rating Type: PRIME

Emissions: U.S. EPA Tier 1 Nonroad Equivalent (Not
Currently EPA Certified)

Performance Number: DM6954-03

Metric	English
Package Performance	
Power Rating @ 1 PF	1901 ekW
Power Rating with Fan	3418 kVA

Fuel Consumption		
100% Load with Fan	445.7 L/hr	117.7 gal/hr
75% Load with Fan	345.9 L/hr	91.4 gal/hr
50% Load with Fan	243.4 L/hr	64.3 gal/hr
25% Load with Fan	136.7 L/hr	36.1 gal/hr

Cooling System		
Air Flow (Maximum @ Rated Speed)		

Exhaust System		
Combustion Air Inlet Flow Rate	152.3 m³/min	5378 cfm
Exhaust Stack Gas Temperature	464.7 ° C	868.5 ° F
Exhaust Gas Flow Rate	391.0 m³/min	13806.7 cfm
Exhaust Flange Size (Internal Diameter)		
Exhaust System Backpressure (Maximum Allowable)	6.7 kPa	27 in. water

Heat Rejection		
Heat Rejection to Aftercooler	348 kW	19791 Btu/min
Heat Rejection to Exhaust (Total)	1711 kW	97304 Btu/min
Heat Rejection to Atmosphere from Engine	127 kW	7222 Btu/min
Heat Rejection to Atmosphere from Generator	60.3 kW	3429 Btu/min

Alternator	
Motor Starting Capability @ 30% Voltage Dip	
Frame Size	827

Lube System		
Refill Volume with Filter Change for Standard Sump		

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NOx	3424.0 mg/Nm ³	6.94 g/hp-hr
CO	146.3 mg/Nm ³	0.30 g/hp-hr
HC	133.3 mg/Nm ³	0.27 g/hp-hr
PM	47.9 mg/Nm ³	0.10 g/hp-hr

Engine Arrangement: 3892564

Generator Arrangement: 1441828

Radiator Arrangement:

Feature Code: 516DY33