

PRODUCT SPECIFICATIONS FOR 3512

ENGINE SPECIFICATIONS

Minimum Rating	665 ekW
Maximum Rating	1035 ekW
Emissions	Non-certified
Oil Change Interval	500 h
Aspiration	Turbocharged-Aftercooled
Engine Control and Protection	Woodward
Stroke	7.48 in
Displacement	3158 in ³
Bore	6.69 in
Generator	SR4B
Weight	34644 lb
Voltage	600
Fuel System	MUI

DIMENSIONS

Width	93.9 in
Length	310 in
Height	115.6 in

CAPACITY FOR LIQUIDS

Lube Oil System - Refill	84 gal (US)
Cooling System - Engine	41 gal (US)

3512 STANDARD EQUIPMENT

AIR INLET SYSTEM

Corrosion-resistant aftercooler core

Regular duty air cleaner

Service indicator

CONTROL SYSTEM

Governor, Woodward EG6PC actuator — RH

Magnetic pickup

COOLING SYSTEM

Thermostats and housing (dual outlet)

Jacket water pump, gear driven

EXHAUST SYSTEM

Dry exhaust manifold

Exhaust flexible fitting, adapters, and flanges

FLYWHEEL AND HOUSING

SAE No. 00 flywheel

SAE No. 00 flywheel housing

SAE standard rotation

FUEL SYSTEM

Fuel filter

Fuel transfer pump

Flexible fuel lines

Fuel priming pump

GENERATOR

Oilfield generator

Twin-bearing, close-coupled

INSTRUMENTATION

Analog instrument gauges:

LUBRICATION SYSTEM

Crankcase breather

Oil cooler

Oil filter

Shallow oil pan

Oil drain extension, 2 in NPT female connection

MOUNTING SYSTEM

Oilfield base 7.85 m (25 ft 9 in) length Heavy-duty land rig inner baseframe — three-point mount to oilfield base

POWER TAKE-OFFS

Accessory drive

Front housing, two-sided

PROTECTION SYSTEM

Hydra-mechanical shutoffs (low oil pressure, high water temperature and overspeed, air inlet shutoff).
Monitoring gauge and emergency remote shutoff

Alarm switches, low oil pressure, high water temperature (Marine Society approved) for connection to customer supplied alarm panel

Manual shutoff control, LH

STARTING SYSTEM

Air starting motor

Air silencer

GENERAL

Paint - Cat yellow

Vibration damper and guard

Lifting eyes

3512 OPTIONAL EQUIPMENT

AIR INLET SYSTEM

Heavy duty air cleaner

Remote air inlet adapters

CONTROL SYSTEM

CONTROL SYSTEM

Load sharing governor, 2301A

Load sharing module

Governor conversion to 0-200 mA direct rack control

COOLING SYSTEM

Coolant level sensors

Connections

EXHAUST SYSTEM

Exhaust elbows

Exhaust mufflers

FUEL SYSTEM

Primary fuel filter

GENERATOR AND ATTACHMENTS

Low voltage extension box

Potential and current transformers

Air filter

Cable access box

Bearing RTDs

INSTRUMENTATION

Customer management device

Gauges and instrumentation panels

Switches and contactors

LUBRICATION SYSTEM

Crankcase fumes disposal

Oil pan accessories

MOUNTING SYSTEM

Bases

POWER TAKE-OFF

Crankshaft pulley

Front stub shaft

FRONT SUB START

Charging alternator

PROTECTION SYSTEM

Explosion relief valves (3)

Shutoffs

Switches and contactors

STARTING SYSTEM

Manual air starter

Air pressure regulator

GENERAL

Engine barring group