Product Specifications For G3516C

Generator Set Specifications

Continuous Rating	1555 ekW
Fuel Type	CMM
Maximum Electrical Efficiency	37.70%
Maximum Standby Rating	1500
Frequency	50 / 60 Hz
RPM	1500/1800

Engine Specifications

Engine Model	G3516C
Displacement	4210 in³
Aspiration	TA
Bore	6.7 in
Stroke	7.5 in

Generator Set Dimensions

Length	219 in
Width	72 in
Height	92 in
Dry Weight - Genset	31226 lb

G3516C Standard Equipment

WORLDWIDE POWER PRODUCTS

5931 Brittmoore Rd.
Houston, TX 77041
www.wpowerproducts.com

1-713-434-2300
Fax 1-713-434-2394
sales@wpowerproducts.com

Air Inlet

Two-element single-stage air cleaner with enclosure and service indicator

Control Panels

EMCP 4.3

Cooling

Jacket water and SCAC driven pumps and bypass lines
2nd Stage SCAC-Cat Flange
Engine driven water pumps for jacket water and aftercooler
Jacket water and SCAC thermostats
ANSI/DN customer flange connections for JW inlet and outlet
Cat flanges on SCAC circuit

Exhaust

Integrated Sensing Module (ISM)
Cat-flanged face outlet on turbocharger
Provides exhaust port temperatures and stack temperature to customer supplied screen via CCM
Dry exhaust manifolds, insulated and shielded

Fuel System

24V ETR Gas Shutoff Valve
Engine installed, fuel metering valve
Throttle plate, 24V DC actuator, controlled by ECM
Fuel system is sized for 31.5 to 47.2 MJ/NM3 dry pipeline natural gas with pressure of 10.2 to 34.5KPa to the engine fuel control valve
Fuel Filter

Ignition System

Individual Cylinder Detonation Sensitive Timing (DST)
Electronic Ignition System (controlled by ECM)

Fuel System

Electronic fuel metering valve

Generator

Anti-condensation space heater
Busbar connections
Class H Insulation & Class F temperature rise
Reactive Droop
Permanent Magnet Excitation
3-phase brushless, salient pole
Caterpillar's Digital Voltage Regulator (CDVR) with 3-phase sensing and KVAR/PF control

SR4B
Winding temperature detectors

General

RH Service
Operation and maintenance manuals
Crankshaft Vibration Damper and Guard
Parts Book

Starting/Charging

24V starting motors

G3516C Optional Equipment

Air Inlet

Vertical, horizontal dual element air cleaner
Enclosure mounting brackets and piping
Air cleaner with precleaner

Control Panel

Local NFPA99-110 Alarm Module w/LEDs
Synchronizing Module
Remote 24V 8/16 Light Annunciator
Engine Failure Relay
PL1000E/PL1000T Communications Module
Custom 8-Light Alarm Module

Cooling

Inlet/Outlet connections
Jacket water coolant heater
Aftercooler air lines, aftercooler core replacement

Exhaust

Flexible Fittings
14" Flange Kit
406 mm Elbow Kits
406 mm flange kits
Mufflers (15/18/25 dBA Attenuation) and spark-arresting muffler with ANSI companion flanges
16" Spark Arresting Muffler
356-406mm Flange and Exhaust Expander
15/18/25 dBA Muffler Attenuation

Fuel System

207-276kPa, 30-40 psi gas knockdown regulator

14-69 kPa (2-10 psi) gas pressure regulator
24VDC Gas Shutoff Valve, Gas Knockdown Regulator
Fuel Filter, Gas Filter

Generator

Cable access box
8.7/15 kV Cross, Differential, Current Transformers (CCCT, DCT, CT)
Medium and high voltage generators and attachment
480/4160/13200 Volt Generator Options (60 Hz)
Generator air filter
Bearing temperature detectors
European Bus Bars
415/400/380, 3300/6600/11000 Volt Generator Options (50 Hz)
Annunciator Modules
Generator Removal
Low voltage extension box

Governing System

Load share module

General

Special paint order
Tool set
US AID Emblem
Barring group
Digital diagnostic tool

Starting/Charging

60A, 24V charging alternator (requires engine driven pumps)
Battery removal
20A battery charger
Battery disconnect switch
Battery with cables and rack (shipped loose)