

# PRODUCT SPECIFICATIONS FOR G3512H

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## GENERATOR SET SPECIFICATIONS

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<b>Maximum Continuous Rating</b>	1515 ekW / 1505 ekW @1.0pf
<b>Fuel Type</b>	Natural Gas
<b>Maximum Electrical Efficiency</b>	44.90%
<b>Frequency</b>	50 / 60 Hz
<b>RPM</b>	1500 rpm

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## ENGINE SPECIFICATIONS

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<b>Engine Model</b>	G3512H
<b>Displacement</b>	3574 in <sup>3</sup>
<b>Aspiration</b>	TA
<b>Bore</b>	6.7 in
<b>Stroke</b>	8.5 in
<b>Governor Type</b>	ADEM A4

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## GENERATOR SET DIMENSIONS

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<b>Length</b>	223 in
<b>Width</b>	76 in
<b>Height</b>	91 in
<b>Dry Weight - Genset</b>	31085 lb

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## G3512H STANDARD EQUIPMENT

AIR INLET

Package Mounted Air Cleaner with service indicator

## COOLING

Jacket water and SCAC thermostats

2nd Stage CAT Flange

ANSI Class 150 JW Connection

Engine driven pumps for jacket water and aftercooler cooling

## CONTROL PANELS

Dedicated customer wiring terminals

## CONTROL PANEL

EMCP4.3

## EXHAUST

Dry exhaust manifolds insulated and shielded

Center section cooled turbocharger with Cat flanged outlet

## GENERATOR

High efficiency low voltage Cat generator, permanent magnet excitation, digital regulation, IP23 water ingress protection, & form wound construction.

## STARTING/CHARGING

Electric Starter

## GENERAL

Paint - Caterpillar Yellow except rails and radiators gloss black

Crankshaft vibration damper and guard

# G3512H OPTIONAL EQUIPMENT

## AIR INLET

Mounting brackets and piping

Air cleaner with precleaner

## CONTROL PANELS

Remote annunciator

## CIRCUIT BREAKERS

Frame mounting circuit breaker orientation

2500A 3 Pole 150V AC Breaker

2500A 3-pole IEC rated circuit breakers

Rear Mounted Circuit Breaker

3000A/3200A/4000A UL100% Rated Masterpact circuit breaker (60 Hz only)

LSI Long-Time, LSI-P Long-Time, LSIG Long-Time, LSIG-P Long-Time,

## CONTROL PANEL

Language Options

Cable Shroud Location

Engine failure relay

Discrete I/O module, 12 digital points, 8 'Form C' relay

16 point/32 light annunciator with NFPA99-110/CSA282 configuration

Empty Upper Box Right/Left

Local Alarm module

Synchronization module

Cat Connect: Ethernet, satellite, or cell telematics

Local/Remote PC Monitoring

Right/Left/Rear Extension Box

## COOLING

Remote radiator for JW and SCAC circuits

220V (50Hz), 240V (60Hz), 480V (60Hz) JW heater

## EXHAUST

Flexible fitting [305mm x 305mm (12in. X 12in.)] w/ 12 bolt-flanges

406mm (16in.) sparking-arresting muffler with companion flange

Exhaust expander [250mm-329mm (10in-12in)]

305mm (12 in.) flange

Muffler options

Elbow exhaust

## FUEL SYSTEM

1/2" NPT gas train conduit connectors

3, 0-100kPag 4-20mA gas train pressure sensors

Fuel Filter

Gas knockdown regulators

#### GENERAL

Digital Diagnostic tool

US Aid emblem

#### GENERATOR

Generator air filter

Manual voltage control

Cable access box

RTD Monitoring

Bearing temperature detectors

#### GOVERNING SYSTEM

ADEM A4 4-20mA (0-5V) speed input

#### STARTING/CHARGING

Battery with cables and rack

24V Starting motors

20A, 24VDC battery charger

45A, 24V charging alternator (requires engine driven pumps)

Jacket water heater