

# Cat® G3500H

## 60Hz High-Efficiency Generator Sets

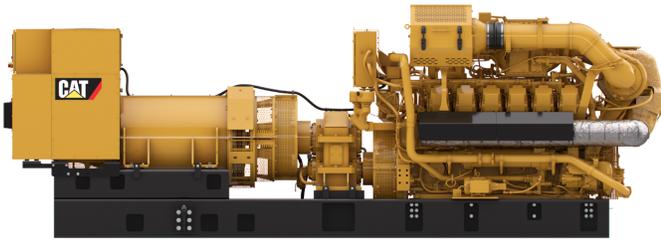


Image shown may not reflect actual configuration

### Energy Systems for Combined Heat & Power (CHP) Applications

With power output from 1475 to 2500 ekW and top tier electrical efficiency, these innovative gas generator sets are setting new industry standards.

### Features

- The H Series Cat® gas generator sets deliver world-class efficiency for CHP applications.
- The lowest total life cycle cost in their power class
- Ideally suited to the electricity balancing market
- Various options for the highest overall levels of efficiency
- Individually adapted to your specific requirements

### Equipment

#### Basic Installed Equipment

- High power density and efficiency engine
- EMCP 4.3 generator set control, protection, and monitoring
- SR5 high efficiency design generator

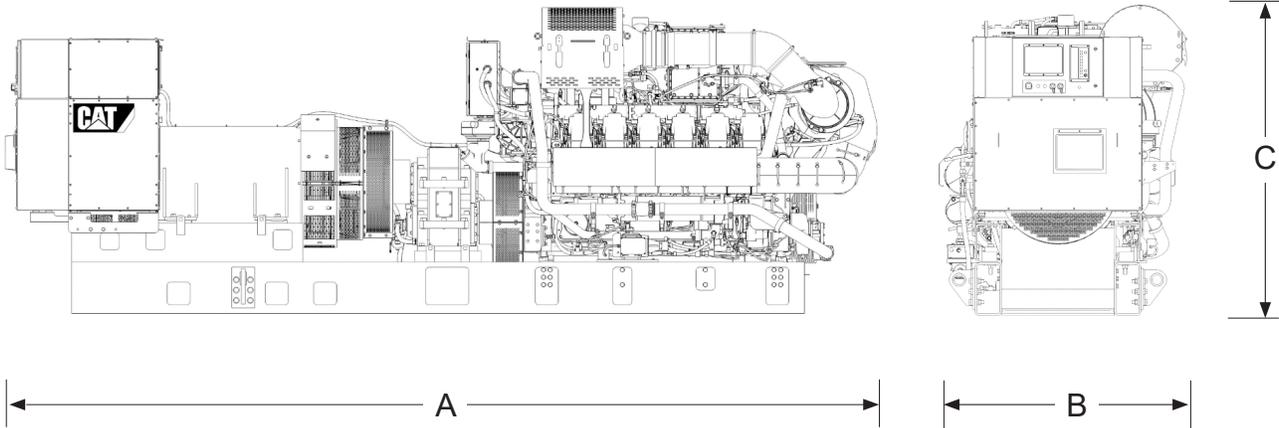
### Power Overview (@1.0pf)

	G3512H	G3516H	G3520H
Generator set power rating – ekW (kVA)	1490 (1863)	1982 (2477)	2483 (3104)
Fuel consumption at 100% load Btu/ekW-hr (MJ/ekW-hr)	7729 (8.15)	7674 (8.09)	7633 (8.05)
Recoverable heat from JW circuit (JW+AC1+OC) Btu/min (kW)	44666 (785)	57551 (1012)	71807 (1263)
Recoverable heat from exhaust – Btu/min (kW)	38511 (677)	49706 (874)	62126 (1092)
Genset efficiency – %	44.6	45.0	45.0
Thermal efficiency – %	42.0	41.1	41.0
Voltage – V	480 - 4160	480 - 13,800	4160 - 13,800

### Technical Data Overview

	G3512H	G3516H	G3520H
Speed – rpm	1500	1500	1500
Arrangement and number of cylinders	V12	V16	V20
Bore/stroke – mm (in)	170/215	170/215	170/215
Displacement – L (in <sup>3</sup> )	58.5 (3570)	78 (4675)	97.5 (5956)

## Dimensions and Weight



	<b>G3512H</b>	<b>G3516H</b>	<b>G3520H</b>
(A) Length – mm (in)	6777 (267)	7003 (276)	7672 (302)
(B) Width – mm (in)	1911 (76)	1955 (77)	2173 (86)
(C) Height – mm (in)	2328 (92)	2406 (95)	2473 (97)
Dry Weight – kg (lb)	15 740 (34,700)	18 315 (40,384)	24 800 (54,675)

<http://www.cat.com/powergeneration>

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