Cat® G3512H/G3516H/G3520H

50Hz High-Efficiency Generator Sets

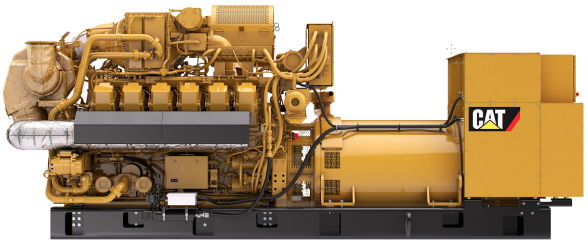


Image shown may not reflect actual configuration

Energy Systems for Combined Heat & Power (CHP) Applications

With power output from 1500 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

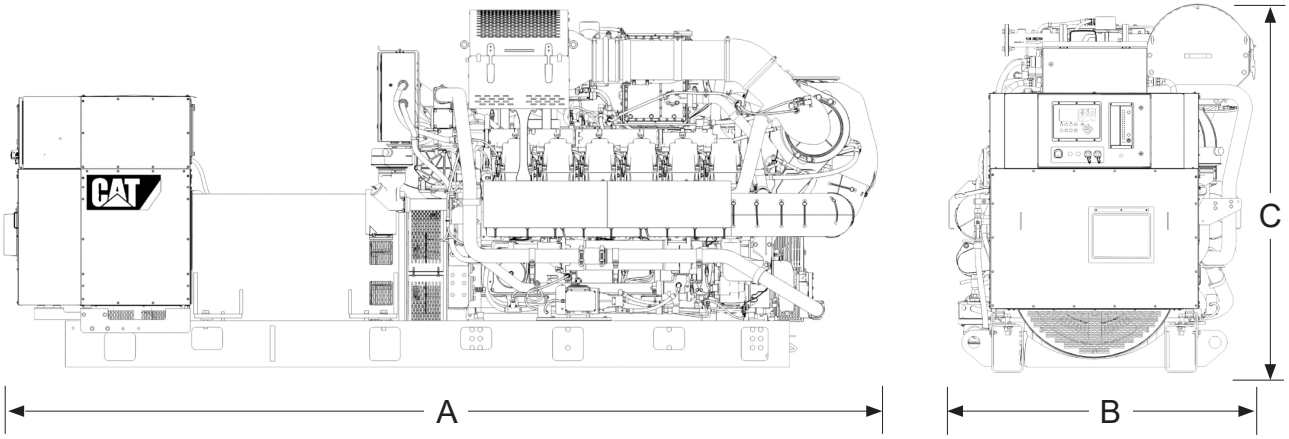
Power Overview

	G3512H	G3516H	G3520H
Generator set power rating – ekW (kVA)	1500 (1875)	2000 (2500)	2500 (3125)
Fuel consumption – 100% load – Btu/ekW-hr (MJ/ekW-hr)	7683 (8.10)	7630 (8.05)	7582 (8.00)
Genset efficiency – %	44.9	45.3	45.3
Thermal efficiency – %	42.1	41.3	41.0
Voltage – V	400-415	400 - 11,000	400 - 11,000

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^3)	58.5 (3570)	78 (4675)	97.5 (5956)

Dimensions and Weight



	G3512H	G3516H	G3520H
(A) Length – mm (in)	5657 (223)	5979 (235)	6411 (252)
(B) Width – mm (in)	1920 (76)	1921 (76)	2218 (87)
(C) Height – mm (in)	2308 (91)	2307 (91)	2413 (95)
Dry Weight – kg (lb)	14100 (31,085)	16 397 (36,156)	22 300 (49,163)

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The International System of Units (SI) is used in this publication.

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