

Cat® G3512H/G3516H/G3520H

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

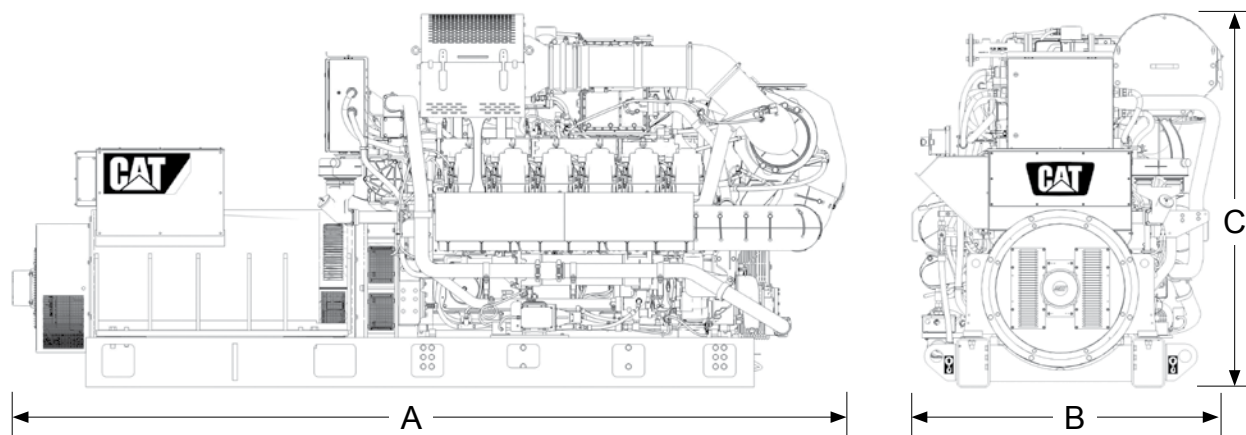
Power Overview

	G3512H	G3516H	G3520H
Generator set power rating – ekW (kVA)	1509 (1509)	2027 (2027)	2519 (2519)
Fuel consumption – 100% load – Btu/ekW-hr (MJ/ekW-hr)	7571 (7.99)	7528 (7.94)	7526 (7.94)
Genset efficiency – %	45.3	45.3	45.3
Thermal efficiency – %	41.6	41.3	41.0
Voltage – V	400	400-11,000	6600-11,000

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)	6093 (240)	7395 (291)	7668 (302)
(B) Width – mm (in)	1899 (75)	2139 (84)	2173 (86)
(C) Height – mm (in)	2311 (91)	2402 (95)	2473 (97)
Dry Weight – kg (lb)	16 700 (36,800)	18 315 (40,384)	24 800 (54,675)

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

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