

# Cat® G3520 WITH FAST RESPONSE

## Gas Generator Sets



|                        |                               |
|------------------------|-------------------------------|
| Bore – mm (in)         | 170 (6.7)                     |
| Stroke – mm (in)       | 215 (8.5)                     |
| Displacement – L (in³) | 97.6 (5956)                   |
| Compression Ratio      | 11.5:1                        |
| Aspiration             | Turbocharged                  |
| Fuel System            | Electronic Fuel Control Valve |
| Governor Type          | ADEM™ A4                      |

Image shown may not reflect actual configuration

| Standby and Continuous<br>60 Hz kW (kVA) w/Fan | Emissions Performance                |
|--|--------------------------------------|
| 2500 (3125)                                    | NOx Selectable (0.5 to 1.0 g/bhp-hr) |
| 2000 (2500)                                    | NOx Selectable (0.5 to 1.0 g/bhp-hr) |

### Standard Features

#### Cat® Natural Gas Engine

- Robust 20 cylinder high speed block design provides prolonged life and lower owning and operating costs
- Engineered for standby power
- Designed for maximum performance on low pressure gaseous fuel supply

#### Generator Set Package

- Accepts 100% block load in one step
- Facilitates compliance with NFPA 110, Type 10 starting and loading requirements (LV)
- Conforms to ISO 8528-5 G2 load acceptance criteria
- Reliability verified through torsional vibration, fuel consumption, oil consumption, transient performance, and endurance testing

#### Generators

- Superior motor starting capability minimizes need for oversizing generator
- Designed to match performance and output characteristics of Cat engines

#### Cooling System

- Optional radiator available to operate in ambient temperatures up to 43°C (110°F)
- Package tested to ensure proper cooling of complete generator set

#### Cat Energy Control System (ECS)

- User-friendly interface and navigation
- Scalable system to meet a wide range of installation requirements
- Expansion modules and site specific programming for specific customer requirements
- Graphical touchscreen display
- Easily upgradeable

#### Warranty

- 24 months/1000-hour warranty for standby ratings
- 12 months/unlimited hour warranty for continuous ratings
- Extended service protection is available to provide extended coverage options

#### Worldwide Product Support

- Cat® dealers have over 1,800 dealer branch stores operating in 200 countries
- Your local Cat dealer provides extensive post-sale support, including maintenance and repair agreements

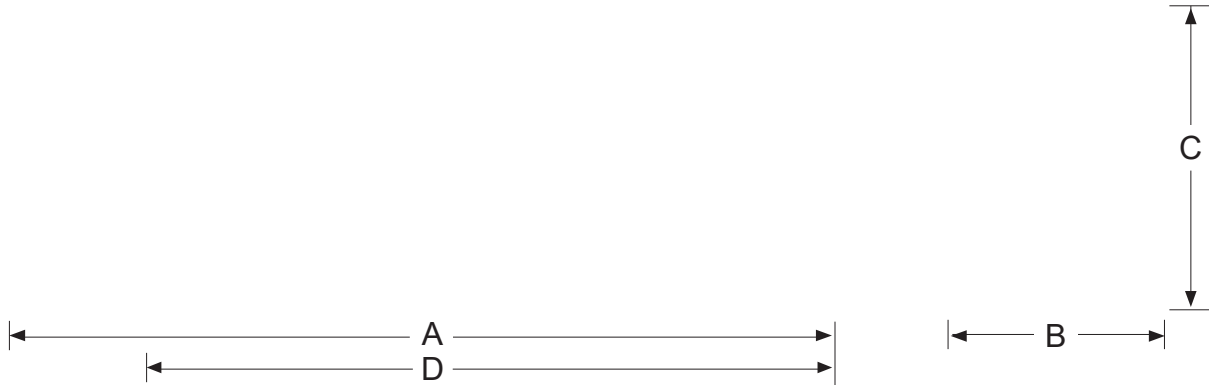
#### Financing

- Caterpillar offers an array of financial products to help you succeed through financial service excellence
- Options include loans, finance lease, operating lease, working capital, and revolving line of credit
- Contact your local Cat dealer for availability in your region





## Weights and Dimensions



| Dim "A"<br>mm (in) | Dim "B"<br>mm (in) | Dim "C"<br>mm (in) | Dim "D" (w/o rad)<br>mm (in) | Dry Weight<br>kg (lb) |
|--------------------|--------------------|--------------------|------------------------------|-----------------------|
| 8534 (336)         | 3,168 (125)        | 3230 (128)         | 6736 (266)                   | 22,000 (48,501)       |

**Note:** For reference only. Do not use for installation design, price list offers many sizes of generators & radiators. Contact your local Cat dealer for precise weights and dimensions.

## Ratings Definitions

### Standby

Output available with varying load for the duration of an emergency outage. Average power output is 100% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

### Applicable Codes and Standards

610HGWR//□  
6262(00(0□  
0((0DG□  
IDFOWDWHVFRPSODEHWR(3)3□  
)3□

**Note:** Codes may not be available in all model configurations. Please consult your local Cat dealer for availability.

### Fuel Rates

1. For transient response, ambient, and altitude capabilities consult your local Cat dealer.
2. Fuel pressure range specified is to the engine fuel control valve. Additional fuel train components may be required and should be considered in pressure and flow calculations.
3. For a complete reference of definitions and conditions see the following datasheets
  - a. 2000ekw Standby / Emergency - 1 g/bhp-hr NOx
    - i. Standard Alt - EM4307 & EM5121 w/fan
    - ii. Standard Alt - EM4301 & EM5118 w/o fan
  - b. 2000ekw Standby / Emergency - 0.5 g/bhp-hr NOx
    - i. Standard Alt - EM4306 & EM5120 w/fan
    - ii. Standard Alt - EM4300 & EM5117 w/o fan
  - c. 2500ekw Standby / Emergency - 1 g/bhp-hr NOx
    - i. Standard Alt - EM4304 & EM5544 w/fan
    - ii. Standard Alt - EM4298 & EM5538 w/o fan
    - iii. High Alt - EM5535 & EM5547 w/fan
    - iv. High Alt - EM5532 & EM5541 w/o fan
  - d. 2500ekw Standby / Emergency - 0.5 g/bhp-hr NOx
    - i. Standard Alt - EM4303 & EM5543 w/fan
    - ii. Standard Alt - EM4297 & EM5537 w/o fan
    - iii. High Alt - EM5534 & EM5546 w/fan
    - iv. High Alt - EM5531 & EM5540 w/o fan

[www.cat.com/electricpower](http://www.cat.com/electricpower)

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Materials and specifications are subject to change without notice. The International System of Units (SI) is used in this publication.

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