

# Lean-burn gas generator sets

> **1000–1400 kW** | QSK60G series

> **1250–2000 kW** | QSK91G series



**Our energy working for you.™**



**Power  
Generation**

## Standard features

### Single source responsibility

Design, manufacture and testing of engine, alternator, control system and complete generator set are all provided by Cummins.

### Alternator

- Brushless, self-excited machine
- Close voltage regulation
- Rotor and exciter impregnated with oil and acid resisting resin
- Exceptional short circuit capability
- Low waveform distortion with non linear loads

### Applications

- Combined heat and power (CHP)
- Utility peaking
- Waste gases
- Prime power in remote areas

### Cummins engine

- Heavy duty 4 cycle water cooled engine
- High fuel efficiency
- NOx exhaust emissions as low as 0.5g/hp-hr (250mg/Nm<sup>3</sup>)
- MCM700/SSM558 full authority electronic management
- Woodward PROACT actuator to drive throttle valve
- CENSE engine monitoring system

### PowerCommand® 3.3

- Full paralleling capability grid and load share
- Integrated voltage regulation
- Superior alternator and generator set protection system
- AmySentry™ alternator protection
- 320 x 240 pixel, multiple languages supported operator display panel

## Lean-burn gas generator sets | Technical data

| 60 Hz           | Generator Set | Engine | BMEP                    | Bore               | Stroke             | Capacity                           | Configuration | RPM               |
|-----------------|---------------|--------|-------------------------|--------------------|--------------------|------------------------------------|---------------|-------------------|
| <b>1000 kWe</b> | C1000N6C      | QSK60G | 17.3 Bar(g)/<br>250 psi | 159 mm/<br>6.2 in  | 190 mm/<br>7.48 in | 60 liters/<br>3683 in <sup>3</sup> | 16 V          | 1200 rpm          |
| <b>1100 kWe</b> | C1100N6C      | QSK60G | 19 Bar(g)/<br>276 psi   | 159 mm/<br>6.2 in  | 190 mm/<br>7.48 in | 60 liters/<br>3683 in <sup>3</sup> | 16 V          | 1200 rpm          |
| <b>1400 kWe</b> | C1400N6C      | QSK60G | 16 Bar(g)/<br>232 psi   | 159 mm/<br>6.2 in  | 190 mm/<br>7.48 in | 60 liters/<br>3683 in <sup>3</sup> | 16 V          | 1800 rpm          |
| <b>1250 kWe</b> | C1250N6C      | QSV91G | 14 Bar(g)/<br>203 psi   | 180 mm/<br>7.09 in | 200 mm/<br>7.88 in | 91 liters/<br>5053 in <sup>3</sup> | 18 V          | 1200 rpm          |
| <b>1750 kWe</b> | C1750N6C      | QSV91G | 16 Bar(g)/<br>232 psi   | 180 mm/<br>7.09 in | 200 mm/<br>7.88 in | 91 liters/<br>5053 in <sup>3</sup> | 18 V          | 1514 g/box<br>rpm |
| <b>2000 kWe</b> | C2000N6C      | QSV91G | 18.2 Bar(g)/<br>264 psi | 180 mm/<br>7.09 in | 200 mm/<br>7.88 in | 91 liters/<br>5053 in <sup>3</sup> | 18 V          | 1514 g/box<br>rpm |

| 50 Hz           | Generator Set | Engine | BMEP                    | Bore               | Stroke             | Capacity                           | Configuration | RPM      |
|-----------------|---------------|--------|-------------------------|--------------------|--------------------|------------------------------------|---------------|----------|
| <b>995 kWe</b>  | C995N5C       | QSK60G | 13.8 Bar(g)/<br>200 psi | 195 mm/<br>6.2 in  | 190 mm/<br>7.48 in | 60 liters/<br>3683 in <sup>3</sup> | 16 V          | 1500 rpm |
| <b>1160 kWe</b> | C1160N5C      | QSK60G | 16 Bar(g)/<br>232 psi   | 195 mm/<br>6.2 in  | 190 mm/<br>7.48 in | 60 liters/<br>3683 in <sup>3</sup> | 16 V          | 1500 rpm |
| <b>1200 kWe</b> | C1200N5C      | QSK60G | 16.6 Bar(g)/<br>240 psi | 159 mm/<br>6.2 in  | 190 mm/<br>7.48 in | 60 liters/<br>3683 in <sup>3</sup> | 16 V          | 1500 rpm |
| <b>1400 kWe</b> | C1400N5C      | QSK60G | 19.4 Bar(g)/<br>281 psi | 195 mm/<br>6.2 in  | 190 mm/<br>7.48 in | 60 liters/<br>3683 in <sup>3</sup> | 16 V          | 1500 rpm |
| <b>1540 kWe</b> | C1540N5C      | QSV91G | 14 Bar(g)/<br>203 psi   | 180 mm/<br>7.09 in | 200 mm/<br>7.88 in | 91 liters/<br>5053 in <sup>3</sup> | 18 V          | 1500 rpm |
| <b>1750 kWe</b> | C1750N5C      | QSV91G | 16 Bar(g)/<br>232 psi   | 180 mm/<br>7.09 in | 200 mm/<br>7.88 in | 91 liters/<br>5053 in <sup>3</sup> | 18 V          | 1500 rpm |
| <b>2000 kWe</b> | C2000N5C      | QSV91G | 18.2 Bar(g)/<br>264 psi | 180 mm/<br>7.09 in | 200 mm/<br>7.88 in | 91 liters/<br>5053 in <sup>3</sup> | 18 V          | 1500 rpm |

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