GenTech SA (Pty) Ltd
010 012 6020
sales@gentechsa.co.za
126 Birch Road, corner Larch Road
Benoni AH, Benoni, 1501

# 60 kVA Baudouin PRIME SOUND ATTENUATED CANOPY DIESEL GENERATOR




## About Baudouin

Baudouin diesel engines are used in power-generation and industrial applications. GenTech SA can configure Baudouin-powered generator sets for standby, commercial and industrial requirements using the confirmed engine platform for each generator size.

GenTech SA configures the 60 kVA Baudouin generator with SmartGen automatic control, an AVR-regulated brushless alternator, ATS / automatic mains-failure changeover included as standard, a GenTech canopy-based fuel system and a sound-attenuated enclosure configuration for reliable power in demanding environments.

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# ENGINE SPECIFICATIONS

## BAUDOUIN 4M10G2D0/S

### Baudouin engine platform

Engine output shown using the Prime Power (PRP) reference for the 60 kVA GenTech build.

| SPECIFICATION | DETAIL |
|---|---|
| **Engine manufacturer** | Baudouin |
| **Engine model** | BAUDOUIN 4M10G2D0/S |
| **Displacement** | 4.087 L |
| **Cylinder bore / stroke** | 105 x 118 mm |
| **Fuel system** | Mechanical pump |
| **Cylinders** | 4 |
| **Cylinder arrangement** | In-line |
| **Engine output @ 1500 rpm** | 57 kW PRP |
| **Aspiration** | Turbocharged |
| **Cycle** | 4-stroke diesel |
| **Compression ratio** | 17.5:1 |
| **Fuel tank capacity** | 150 L |
| **Fuel consumption @ 100% load** | 15.0 L/h |
| **Fuel consumption @ 75% load** | 11.1 L/h |
| **Fuel consumption @ 50% load** | 7.7 L/h |
| **Fuel consumption @ 25% load** | 4.5 L/h |
| **Recommended oil type** | 15W40 |
| **Oil capacity** | 13 L |
| **Cooling method** | Water cooled |
| **Coolant capacity** | 17.9 L |
| **Starter system** | 12 V, 3.8 kW |
| **Governor system** | Electronic |
| **Engine speed** | 1500 RPM |

Product images are representative and specifications may change without notice.

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# 1 ALTERNATOR & ELECTRICAL SPECIFICATIONS



| | |
|---|---|
| **Generator output class** | 60 kVA |
| **Standard alternator** | Faraday / Werna or equivalent quality |
| **Premium alternator options** | Mecc Alte / Leroy-Somer - quoted on request |
| **Alternator type** | Brushless |
| **Phase configuration** | Three phase |
| **Rated voltage** | 380–400 V |
| **Rated frequency** | 50 Hz |
| **Speed** | 1500 RPM |
| **Automatic Voltage Regulator** | AVR included |
| **Protection class** | IP23 |

# 2 SMARTGEN CONTROL SYSTEM




The SmartGen automatic controller provides comprehensive monitoring and control of the generator set, including automatic start/stop, protection, alarm indication and operating data display. It is suitable for mains-failure backup and solar-ready applications, supporting reliable and unattended operation.

| | |
|---|---|
| **Controller** | SmartGen automatic generator controller |
| **ATS / automatic changeover** | Included as standard |

# 3 WARRANTY, SERVICE & OPERATING NOTES

| | |
|---|---|
| **Mechanical warranty** | 1 year / 1,000 hours, whichever occurs first, subject to GenTech SA terms and conditions |
| **First service** | 50 hours / 3 months, whichever occurs first |
| **Second service** | 200 hours / 6 months, whichever occurs first |
| **Third service** | 550 hours / 12 months, whichever occurs first |
| **Ongoing service** | Annually or at the applicable engine manufacturer interval, whichever occurs first |

## OPERATING NOTES

Prime Power (PRP) is intended for long-running applications where the electrical load changes. Continuous / Base Load (COP) applies where the generator carries a steady or sustained load. Actual available output can be affected by altitude, ambient temperature, ventilation, power factor and the type of electrical load. Heavy sustained PF 1.0-type loads may require additional generator capacity. Full GenTech SA warranty and operating conditions apply.

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