# DGGB1650BS

## 1650 kVA

ROUNDED CATALOGUE CLASS

Baudouin diesel generator | Acoustic canopied

**NEW DIESEL GENERATOR RANGE**

**ENGINE PLATFORM**

**Baudouin**

12M33G1650/5

Model-specific drawing supplied with quotation.

**SELECTED CONFIGURATION**

ENGINE

**Baudouin 12M33G1650/5**

ALTERNATOR

**Stamford S7L1D-C41**

ELECTRICAL OUTPUT

**400 V | 3-phase | 50 Hz**

Configuration and appearance are confirmed with the quotation.

**PRIME POWER / PRP**

**1550 kVA** 1240 kW

**STANDBY POWER / ESP**

**1660 kVA** 1328 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The DGGB model number is a rounded class; use the exact ratings for selection.

## PUBLISHED ELECTRICAL RATINGS

| Voltage (V) | Connection | ESP (kVA) | ESP (kW) | PRP (kVA) | PRP (kW) |
|---|---|---|---|---|---|
| 380 | SS | 1615 | 1292 | 1505 | 1204 |
| 400 | SS | 1660 | 1328 | 1550 | 1240 |

PRP = prime power. ESP = emergency standby power. Values apply to the selected engine and alternator above. Connection codes follow the reference specification and must be confirmed before installation.



Exact build, performance and delivery scope are confirmed in the quotation.

# Technical specification

DGGB1650BS | Baudouin 12M33G1650/5 | Acoustic canopied

## ENGINE

| | |
|---|---|
| Manufacturer | Baudouin |
| Model | 12M33G1650/5 |
| Aspiration | Turbocharged |
| Combustion | Direct Injection |
| Cycle | 4 Stroke |
| Governor | Electronic |
| Cylinders | 12 |
| Arrangement | At Vee |
| Displacement | 39.2L |
| Bore | 150mm |
| Stroke | 185mm |
| Compression ratio | 15:1 |
| Cooling | Liquid Cooled |
| Coolant capacity | 188L |
| Oil capacity | 160L |

## ALTERNATOR

| | |
|---|---|
| Manufacturer | Stamford |
| Model | S7L1D-C41 |
| Type | Brushless |
| Phases | 3 |
| Bearings | 1 |
| Poles | 4 |
| Leads | 6 |
| AVR | MX341 |
| Voltage regulation | 1% |
| Insulation class | H |
| Excitation | PMG |
| Winding | 312 |
| Harmonic content | <5.00% |
| Short circuit | >300% |

## REFERENCE FUEL CONSUMPTION

| 50% LOAD | 75% LOAD | 100% LOAD | 110% LOAD |
|---|---|---|---|
| 156.1 L/h | 234.2 L/h | 324 L/h | 354.2 L/h |

Reference figures vary with operating conditions and the confirmed duty.

## INSTALLATION INFORMATION

Dimensions, weight, fuel tank and model-specific drawing are confirmed with the quotation.

No complete matching frame data is published for this selected configuration.

## OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

| Engine | Alternator | V / phase | ESP kVA | PRP kVA |
|---|---|---|---|---|
| 12M33G1650/5 | Leroy Somer LSA50.2L8 | 400 / 3 | 1650 | 1500 |

Engineering data above apply only to the selected configuration on page 1.

Final enclosure, controls, protection, acoustics and emissions suitability must be specified for the project. This sheet is a configuration guide, not an installation drawing.
DGGB technical specification | Reviewed 2026-10-12



Exact build, performance and delivery scope are confirmed in the quotation.