# PPG1650BS

## 1650 kVA

ROUNDED CATALOGUE CLASS

Baudouin diesel generator | Acoustic canopied

**Designed and manufactured in the United Kingdom**

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 PPG 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.



Perkins Power Generators is a trading name of GenPro Power Solutions.
Exact build, performance and delivery scope are confirmed in the quotation.

# Technical specification

**PPG1650BS** | 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.
PPG technical specification | Reviewed 2026-10-12



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