



PPG1650BS

Baudouin diesel generator | Acoustic canopied

Designed and manufactured in the United Kingdom

1650 kVA

ROUNDED CATALOGUE CLASS

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.

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