PPG1650B

1650 kVA

ROUNDED CATALOGUE CLASS

Baudouin diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Baudouin

12M33G1650/5

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE

Baudouin 12M33G1650/5

ALTERNATOR

Leroy Somer LSA50.2L8

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

1500 kVA 1200 kW

STANDBY POWER / ESP

1650 kVA 1320 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)
400	SS	1650	1320	1500	1200

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

PPG1650B | Baudouin **12M33G1650/5** | Open set

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	Leroy Somer
Model	**LSA50.2L8**
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	**D350**
Voltage regulation	0.5%
Insulation class	H
Excitation	Auxiliary Wound
Winding	6S
Harmonic content	<3.50%
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

L x W x H (mm)	REFERENCE WEIGHT
5000 x 1871 x 2495	**8379 kg**

Reference frame GenericPerkins4000 (Export). Drawing, weights and tank capacity are subject to the ordered build.

OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

Engine	Alternator	V / phase	ESP kVA	PRP kVA
12M33G1650/5	Stamford **S7L1D-C41**	400 / 3	1660	1550

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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