PPG830BS

830 kVA
ROUNDED CATALOGUE CLASS

Baudouin diesel generator | Acoustic canopied

Designed and manufactured in the United Kingdom



Representative PPG enclosure; final build may vary.

SELECTED CONFIGURATION

ENGINE
Baudouin 6M33G825/5

ALTERNATOR
Stamford S6L1D-C41

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
772 kVA 618 kW

STANDBY POWER / ESP
829 kVA 663 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	829	663	771	617
400	SS	829	663	772	618

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

PPG830BS | Baudouin **6M33G825/5** | Acoustic canopied

ENGINE

Manufacturer	Baudouin
Model	**6M33G825/5**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	ECU
Cylinders	6
Arrangement	In Line
Displacement	19.6L
Bore	150mm
Stroke	185mm
Compression ratio	15:1
Cooling	Liquid Cooled
Coolant capacity	94L
Oil capacity	64L

ALTERNATOR

Manufacturer	Stamford
Model	**S6L1D-C41**
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	**MX321**
Voltage regulation	0.5%
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
77.4 L/h	**114.8 L/h**	**159.5 L/h**	**174.8 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
4908 x 2164 x 2658	**7143.25 kg**	**1120 L**

Reference frame 5100E (UK/EU). 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
6M33G825/5	Stamford **S5L1D-H41**	400 / 3	825	750
6M33G6D0/S	Stamford **S5L1D-H41**	400 / 3	824	750
6M33G6D0/S	Leroy Somer **TAL049C**	400 / 3	827	769

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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