PPG500BS

500 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 6M21G500/5

ALTERNATOR

Stamford S4L1D-G41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

450 kVA 360 kW

STANDBY POWER / ESP

495 kVA 396 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)
190	PS	475	380	430	344
200	PS	495	396	450	360
208	PS	496	397	450	360
220	PS	475	380	430	344
220	SD	475	380	430	344
230	SD	495	396	450	360
240	SD	496	397	450	360
254	SD	475	380	430	344
380	SS	475	380	430	344
400	SS	495	396	450	360
415	SS	496	397	450	360
440	SS	475	380	430	344

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

PPG500BS | Baudouin **6M21G500/5** | Acoustic canopied

ENGINE

Manufacturer	Baudouin
Model	**6M21G500/5**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	ECU
Cylinders	6
Arrangement	In Line
Displacement	12.54L
Bore	127mm
Stroke	165mm
Compression ratio	16:1
Cooling	Liquid Cooled
Coolant capacity	47L
Oil capacity	40L

ALTERNATOR

Manufacturer	Stamford
Model	**S4L1D-G41**
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	12
AVR	**AS440**
Voltage regulation	1%
Insulation class	H
Excitation	Self Excited
Winding	311
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
46.6 L/h	**69.6 L/h**	**95.9 L/h**	**110.1 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
4108 x 1508 x 2384	**3785 kg**	**500 L**

Reference frame 2900EX (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
6M21G500/5	Leroy Somer **TAL0473B**	400 / 3	500	455

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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