

GPS500B

Baudouin diesel generator | Open set

Designed and manufactured in the United Kingdom

500 kVA

ROUNDED CATALOGUE CLASS

ENGINE PLATFORM

Baudouin

6M21G500/5

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE

Baudouin 6M21G500/5

ALTERNATOR

Stamford S4L1D-G41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP

450 kVA

360 kW

STANDBY POWER / ESP

495 kVA

396 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The GPS 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.

Technical specification

GPS500B | Baudouin 6M21G500/5 | Open set

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 46.6 L/h	75% LOAD 69.6 L/h	100% LOAD 95.9 L/h	110% LOAD 110.1 L/h
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Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

REFERENCE WEIGHT 2837 kg	FUEL TANK 730 L
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Reference frame 9007GA (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
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.

GenPro technical specification | Reviewed 2026-10-12