

GPS650B

Baudouin diesel generator | Open set

Designed and manufactured in the United Kingdom

650 kVA

ROUNDED CATALOGUE CLASS

ENGINE PLATFORM

Baudouin

8M21G660/5

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE

Baudouin 8M21G660/5

ALTERNATOR

Stamford HCI544E1

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP

591 kVA

473 kW

STANDBY POWER / ESP

647 kVA

518 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	646	517	590	472
200	PS	647	518	591	473
208	PS	649	519	591	473
220	PS	650	520	593	474
220	SD	646	517	590	472
230	SD	647	518	591	473
240	SD	649	519	591	473
254	SD	650	520	593	474
380	SS	646	517	590	472
400	SS	647	518	591	473
415	SS	649	519	591	473
440	SS	650	520	593	474

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

GPS650B | Baudouin 8M21G660/5 | Open set

ENGINE

Manufacturer	Baudouin
Model	8M21G660/5
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	ECU
Cylinders	8
Arrangement	At Vee
Displacement	16.72L
Bore	127mm
Stroke	165mm
Compression ratio	15:1
Cooling	Liquid Cooled
Coolant capacity	101L
Oil capacity	45L

ALTERNATOR

Manufacturer	Stamford
Model	HCI544E1
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 64.7 L/h	75% LOAD 95.4 L/h	100% LOAD 124.2 L/h	110% LOAD 140.7 L/h
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Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

REFERENCE WEIGHT 3947.05 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
8M21G660/5	Stamford S5L1D-E41	400 / 3	647	591
8M21G660/5	Leroy Somer TAL0473E	400 / 3	649	591

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