

GPS550BS

Baudouin diesel generator | Acoustic canopied

Designed and manufactured in the United Kingdom

550 kVA

ROUNDED CATALOGUE CLASS



SELECTED CONFIGURATION

ENGINE

Baudouin 6M21G8D0/S

ALTERNATOR

Leroy Somer TAL0473C

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

Representative GenPro enclosure; final build may vary.

PRIME POWER / PRP

500 kVA

400 kW

STANDBY POWER / ESP

550 kVA

440 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)
400	SS	550	440	500	400

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

GPS550BS | Baudouin 6M21G8D0/S | Acoustic canopied

ENGINE

Manufacturer	Baudouin
Model	6M21G8D0/S
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	62L
Oil capacity	40L

ALTERNATOR

Manufacturer	Leroy Somer
Model	TAL0473C
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	R150
Voltage regulation	1.0% Regulation%
Insulation class	H
Excitation	Brushless
Winding	6S
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD 51 L/h	75% LOAD 75.3 L/h	100% LOAD 109.5 L/h	110% LOAD 123.1 L/h
----------------------------------	------------------------------------	--------------------------------------	--------------------------------------

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm) 4908 x 2164 x 2658	REFERENCE WEIGHT 5140.85 kg	FUEL TANK 1120 L
--	--	-----------------------------------

Reference frame 5100E (UK/EU). Drawing, weights and tank capacity are subject to the ordered build.

SPECIFY YOUR PROJECT

Tell us your site load, required voltage and phase, prime or standby duty, ambient conditions and installation requirements. GenPro will confirm a suitable build and its exact specification.

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