

GPS550P

Perkins diesel generator | Open set

Designed and manufactured in the United Kingdom

550 kVA

ROUNDED CATALOGUE CLASS

ENGINE PLATFORM

Perkins

2506A-E15TAG2

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE

Perkins 2506A-E15TAG2

ALTERNATOR

Leroy Somer TAL0473C

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

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

GPS550P | Perkins 2506A-E15TAG2 | Open set

ENGINE

Manufacturer	Perkins
Model	2506A-E15TAG2
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	15.2L
Bore	137mm
Stroke	171mm
Compression ratio	16:1
Cooling	Liquid Cooled
Coolant capacity	58.0L
Oil capacity	62.0L

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 53 L/h	75% LOAD 76 L/h	100% LOAD 100 L/h	110% LOAD 111 L/h
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Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm) 3398 x 1242 x 2057	REFERENCE WEIGHT 3286.7 kg	FUEL TANK 730 L
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Reference frame 9007GA (Export). 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