GPS2500P

2500 kVA
ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Perkins

4016-61TRG3X

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE
Perkins 4016-61TRG3X

ALTERNATOR
Stamford S7L1D-J41

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP

2500 kVA 2000 kW

STANDBY POWER / ESP

Confirm on enquiry

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)
380	SS	Confirm	Confirm	2425	1940
400	SS	Confirm	Confirm	2500	2000

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. Confirm = no published value; confirm on enquiry.

Technical specification

GPS2500P | Perkins 4016-61TRG3X | Open set

ENGINE

Manufacturer	Perkins
Model	4016-61TRG3X
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	16
Arrangement	At Vee
Displacement	61.12L
Bore	160mm
Stroke	190mm
Compression ratio	12.8:1
Cooling	Liquid Cooled
Coolant capacity	502L
Oil capacity	213L

ALTERNATOR

Manufacturer	Stamford
Model	S7L1D-J41
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	MX341
Voltage regulation	1%
Insulation class	H
Excitation	PMG
Winding	312
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
259.4 L/h	**387.2 L/h**	**536.8 L/h**	**Confirm on enquiry**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

Dimensions, weight, fuel tank and model-specific drawing are confirmed with the quotation.

No complete matching frame data is published for this selected configuration.

OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

Engine	Alternator	V / phase	ESP kVA	PRP kVA
4016-61TRG3	Stamford S7L1D-J41	400 / 3	2502	2257
4016-61TRG3	Leroy Somer LSA52.3L9	400 / 3	2500	2254
4016-61TRG3X	Leroy Somer LSA52.3L12	400 / 3	Confirm	2505

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