GPS1900P

1900 kVA
ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Perkins

4012-46TAG3A

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE
Perkins 4012-46TAG3A

ALTERNATOR
Leroy Somer LSA52.3S5

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
1729 kVA 1383 kW

STANDBY POWER / ESP
1897 kVA 1518 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	1897	1518	1729	1383

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

GPS1900P | Perkins 4012-46TAG3A | Open set

ENGINE

Manufacturer	Perkins
Model	4012-46TAG3A
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	12
Arrangement	At Vee
Displacement	45.84L
Bore	160mm
Stroke	190mm
Compression ratio	12.8:1
Cooling	Liquid Cooled
Coolant capacity	233L
Oil capacity	157.5L

ALTERNATOR

Manufacturer	Leroy Somer
Model	LSA52.3S5
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	D550
Voltage regulation	0.5%
Insulation class	H
Excitation	Auxiliary Wound
Winding	6S
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
188.8 L/h	280.5 L/h	363.3 L/h	401.3 L/h

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.

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