GPS810PS

810 kVA
ROUNDED CATALOGUE CLASS

Perkins diesel generator | Acoustic canopied

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Perkins

4006-23TAG2A

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE
Perkins 4006-23TAG2A

ALTERNATOR
Stamford S6L1D-C41

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
741 kVA 593 kW

STANDBY POWER / ESP
814 kVA 651 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)
380	SS	813	650	740	592
400	SS	814	651	741	593

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

GPS810PS | Perkins 4006-23TAG2A | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	4006-23TAG2A
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	22.92L
Bore	160mm
Stroke	195mm
Compression ratio	13.6:1
Cooling	Liquid Cooled
Coolant capacity	120L
Oil capacity	113L

ALTERNATOR

Manufacturer	Stamford
Model	S6L1D-C41
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	MX321
Voltage regulation	0.5%
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
80 L/h	117 L/h	155 L/h	169 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