PPG820PS

820 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

Leroy Somer TAL049C

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

743 kVA 594 kW

STANDBY POWER / ESP

816 kVA 653 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The PPG 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	816	653	743	594

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.

Perkins Power Generators is a trading name of GenPro Power Solutions.
Exact build, performance and delivery scope are confirmed in the quotation.

Technical specification

PPG820PS | 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	Leroy Somer
Model	**TAL049C**
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	**R150**
Voltage regulation	1%
Insulation class	H
Excitation	Self Excited
Winding	6S
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. PPG 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.
PPG technical specification | Reviewed 2026-10-12

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