PPG840PS

840 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Acoustic canopied

Designed and manufactured in the United Kingdom



Representative PPG enclosure; final build may vary.

SELECTED CONFIGURATION

ENGINE

Perkins 2806A-E18TTAG5

ALTERNATOR

Stamford S6L1D-C41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

765 kVA 612 kW

STANDBY POWER / ESP

843 kVA 674 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)
380	SS	842	674	764	611
400	SS	843	674	765	612

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

PPG840PS | Perkins **2806A-E18TTAG5** | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	**2806A-E18TTAG5**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	18.1L
Bore	145mm
Stroke	183mm
Compression ratio	14:1
Cooling	Liquid Cooled
Coolant capacity	110.0L
Oil capacity	68.0L

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
81 L/h	**118 L/h**	**162 L/h**	**179 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
4908 x 2164 x 2658	**7092.85 kg**	**1120 L**

Reference frame 5100E (UK/EU). 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. 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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