PPG90PS

90 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 1104A-44TG2

ALTERNATOR

Stamford UCI224G1

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

81 kVA 65 kW

STANDBY POWER / ESP

89 kVA 71 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)
190	PS	89	71	81	65
200	PS	89	71	81	65
208	PS	89	71	81	65
220	PS	80	64	75	60
220	SD	89	71	81	65
230	SD	89	71	81	65
240	SD	89	71	81	65
254	SD	80	64	75	60
380	SS	89	71	81	65
400	SS	89	71	81	65
415	SS	89	71	81	65
440	SS	80	64	75	60

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

PPG90PS | Perkins **1104A-44TG2** | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	**1104A-44TG2**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Mechanical
Cylinders	4
Arrangement	In Line
Displacement	4.4L
Bore	105mm
Stroke	127mm
Compression ratio	17.25:1
Cooling	Liquid Cooled
Coolant capacity	13.0L
Oil capacity	8.0L

ALTERNATOR

Manufacturer	Stamford
Model	**UCI224G1**
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	12
AVR	**AS440**
Voltage regulation	1%
Insulation class	H
Excitation	Self Excited
Winding	311
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
9.7 L/h	**14 L/h**	**18.7 L/h**	**20.5 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
2286 x 1104 x 1620	**1412.25 kg**	**210 L**

Reference frame 2105E (UK/EU). Drawing, weights and tank capacity are subject to the ordered build.

OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

Engine	Alternator	V / phase	ESP kVA	PRP kVA
1104A-44TG2	KWise **C224G64**	400 / 3	88	80
1104A-44TG2	Leroy Somer **TAL044B**	400 / 3	88	80

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.
PPG technical specification | Reviewed 2026-10-12

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