PPG170PS

170 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 1106A-70TAG2

ALTERNATOR
Stamford UCI274F1

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
151 kVA 121 kW

STANDBY POWER / ESP
166 kVA 133 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	165	132	151	121
200	PS	166	133	151	121
208	PS	166	133	151	121
220	SD	165	132	151	121
230	SD	166	133	151	121
240	SD	166	133	151	121
380	SS	165	132	151	121
400	SS	166	133	151	121
415	SS	166	133	151	121

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

PPG170PS | Perkins **1106A-70TAG2** | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	**1106A-70TAG2**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Mechanical
Cylinders	6
Arrangement	In Line
Displacement	7.01L
Bore	105mm
Stroke	135mm
Compression ratio	18.2:1
Cooling	Liquid Cooled
Coolant capacity	21.0L
Oil capacity	18.0L

ALTERNATOR

Manufacturer	Stamford
Model	**UCI274F1**
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
16.4 L/h	**24.7 L/h**	**33.4 L/h**	**36.1 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
3208 x 1164 x 1778	**2315.85 kg**	**325 L**

Reference frame 2400E (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
1106A-70TAG2	KWise **C274G120**	400 / 3	165	150
1106A-70TAG2	Leroy Somer **TAL044J**	400 / 3	165	150

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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