PPG280P

280 kVA
ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Perkins

1206A-E70TTAG3

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE
Perkins 1206A-E70TTAG3

ALTERNATOR
Stamford UCDI274K1

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
250 kVA 200 kW

STANDBY POWER / ESP
275 kVA 220 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	274	219	250	200
200	PS	275	220	250	200
208	PS	275	220	250	200
220	SD	274	219	250	200
230	SD	275	220	250	200
240	SD	275	220	250	200
380	SS	274	219	250	200
400	SS	275	220	250	200
415	SS	275	220	250	200

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

PPG280P | Perkins **1206A-E70TTAG3** | Open set

ENGINE

Manufacturer	Perkins
Model	**1206A-E70TTAG3**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	7.01L
Bore	105mm
Stroke	135mm
Compression ratio	15.8:1
Cooling	Liquid Cooled
Coolant capacity	25.0L
Oil capacity	16.0L

ALTERNATOR

Manufacturer	Stamford
Model	**UCDI274K1**
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
28.1 L/h	**41.5 L/h**	**56.9 L/h**	**64.5 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

REFERENCE WEIGHT	FUEL TANK
1938.6 kg	**730 L**

Reference frame 9007GA (Export). 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
1506A-E88TAG3	Stamford **UCDI274K1**	400 / 3	275	250
1206A-E70TTAG3	Leroy Somer **TAL046E**	400 / 3	276	253
1506A-E88TAG3	Leroy Somer **TAL046D**	400 / 3	275	250

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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