GPS150P

150 kVA
ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Perkins

1106A-70TG1

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE
Perkins 1106A-70TG1

ALTERNATOR
Stamford UCI274E1

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP
136 kVA 109 kW

STANDBY POWER / ESP
150 kVA 120 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The GPS 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	150	120	137	110
200	PS	150	120	136	109
208	PS	150	120	137	110
220	SD	150	120	135	108
230	SD	150	120	136	109
240	SD	150	120	137	110
380	SS	150	120	135	108
400	SS	150	120	136	109
415	SS	150	120	137	110

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.

Technical specification

GPS150P | Perkins 1106A-70TG1 | Open set

ENGINE

Manufacturer	Perkins
Model	1106A-70TG1
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Mechanical
Cylinders	6
Arrangement	In Line
Displacement	7.01L
Bore	105mm
Stroke	127mm
Compression ratio	18.2:1
Cooling	Liquid Cooled
Coolant capacity	21.0L
Oil capacity	16.5L

ALTERNATOR

Manufacturer	Stamford
Model	UCI274E1
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
15.9 L/h	22.7 L/h	30.28 L/h	33.8 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
2300 x 762 x 1466	1485.4 kg	310 L

Reference frame 9069GA (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
1106A-70TG1	Leroy Somer TAL044H	400 / 3	150	135
1106A-70TG1	KWise C274G120	400 / 3	153	138

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.
GenPro technical specification | Reviewed 2026-10-12