PPG50P

50 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Perkins

1103A-33TG1

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE

Perkins 1103A-33TG1

ALTERNATOR

Leroy Somer TAL042F

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

45 kVA 36 kW

STANDBY POWER / ESP

50 kVA 40 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)
400	SS	50	40	45	36

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

PPG50P | Perkins **1103A-33TG1** | Open set

ENGINE

Manufacturer	Perkins
Model	**1103A-33TG1**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Mechanical
Cylinders	3
Arrangement	In Line
Displacement	3.3L
Bore	105mm
Stroke	127mm
Compression ratio	17.25:1
Cooling	Liquid Cooled
Coolant capacity	11.8L
Oil capacity	8.3L

ALTERNATOR

Manufacturer	Leroy Somer
Model	**TAL042F**
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	**R120**
Voltage regulation	1%
Insulation class	H
Excitation	Self Excited
Winding	6S
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
5.58 L/h	**7.98 L/h**	**10.52 L/h**	**11.77 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
1700 x 702 x 1388	**805.9 kg**	**125 L**

Reference frame 9045GA (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
1103A-33TG1	KWise **C224G40**	400 / 3	51	46
1103A-33TG1	Stamford **S1L2-N1**	400 / 3	50	45
1103A-33TG1	Stamford **UCI224F1**	400 / 3	51	46
1103A-33TG1	Stamford **UCI224G1**	230 / 1	46.6	42.2

Engineering data above apply only to the selected configuration on page 1. 1 further class configurations are listed on the product page.

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