DGGB50P

50 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

NEW DIESEL GENERATOR RANGE

ENGINE PLATFORM

Perkins

1103A-33TG1

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE

Perkins 1103A-33TG1

ALTERNATOR

Leroy Somer TAL042F

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP

45 kVA 36 kW

STANDBY POWER / ESP

50 kVA 40 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The DGGB 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.

Exact build, performance and delivery scope are confirmed in the quotation.

Technical specification

DGGB50P | 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.
DGGB technical specification | Reviewed 2026-10-12

Exact build, performance and delivery scope are confirmed in the quotation.