DGGB1500P

1500 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

NEW DIESEL GENERATOR RANGE

ENGINE PLATFORM

Perkins

4012-46TWG3A

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE

Perkins 4012-46TWG3A

ALTERNATOR

Leroy Somer LSA50.2L7

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP

1350 kVA 1080 kW

STANDBY POWER / ESP

1485 kVA 1188 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	1485	1188	1350	1080

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

DGGB1500P | Perkins 4012-46TWG3A | Open set

ENGINE

Manufacturer	Perkins
Model	4012-46TWG3A
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	12
Arrangement	At Vee
Displacement	45.84L
Bore	160mm
Stroke	190mm
Compression ratio	12.8:1
Cooling	Liquid Cooled
Coolant capacity	173L
Oil capacity	157.5L

ALTERNATOR

Manufacturer	Leroy Somer
Model	LSA50.2L7
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	D350
Voltage regulation	0.5%
Insulation class	H
Excitation	Auxiliary Wound
Winding	6S
Harmonic content	<3.50%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
142.6 L/h	207.5 L/h	280.9 L/h	315.1 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT
4725 x 1920 x 2543	9255.75 kg

Reference frame GenericPerkins4000 (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
4012-46TWG3A	Stamford S6L1D-H41	400 / 3	1497	1364
4012-46TAG1A	Stamford S6L1D-H41	400 / 3	1497	1363
4012-46TAG1A	Leroy Somer LSA50.2L7	400 / 3	1485	1350

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.
DGGB technical specification | Reviewed 2026-10-12

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