DGGB1650P

1650 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Open set

NEW DIESEL GENERATOR RANGE



Representative manufacturer image; final build may vary.

SELECTED CONFIGURATION

ENGINE

Perkins 4012-46TAG2A

ALTERNATOR

Stamford S7L1D-C41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

1511 kVA 1209 kW

STANDBY POWER / ESP

1660 kVA 1328 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)
380	SS	1615	1292	1505	1204
400	SS	1660	1328	1511	1209

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

DGGB1650P | Perkins 4012-46TAG2A | Open set

ENGINE

Manufacturer	Perkins
Model	4012-46TAG2A
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	223L
Oil capacity	157.5L

ALTERNATOR

Manufacturer	Stamford
Model	S7L1D-C41
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	MX341
Voltage regulation	1%
Insulation class	H
Excitation	PMG
Winding	312
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
161.5 L/h	238.7 L/h	313.5 L/h	348.6 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT
4969 x 2200 x 2504	9822.5 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
4012-46TAG2A	Leroy Somer LSA50.2L8	400 / 3	1650	1500

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.