DGGB500PS

500 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Acoustic canopied

NEW DIESEL GENERATOR RANGE



Representative DGGB enclosure; final build may vary.

SELECTED CONFIGURATION

ENGINE

Perkins 2506A-E15TAG1

ALTERNATOR

Stamford S4L1D-G41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

450 kVA 360 kW

STANDBY POWER / ESP

500 kVA 400 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)
190	PS	475	380	430	344
200	PS	500	400	450	360
208	PS	500	400	450	360
220	PS	475	380	430	344
220	SD	475	380	430	344
230	SD	500	400	450	360
240	SD	500	400	450	360
254	SD	475	380	430	344
380	SS	475	380	430	344
400	SS	500	400	450	360
415	SS	500	400	450	360
440	SS	475	380	430	344

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

DGGB500PS | Perkins 2506A-E15TAG1 | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	2506A-E15TAG1
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	15.2L
Bore	137mm
Stroke	171mm
Compression ratio	16:1
Cooling	Liquid Cooled
Coolant capacity	58.0L
Oil capacity	62.0L

ALTERNATOR

Manufacturer	Stamford
Model	S4L1D-G41
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
50 L/h	72 L/h	95 L/h	104 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
4908 x 2164 x 2658	5584.7 kg	1120 L

Reference frame 5100E (UK/EU). 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
2506A-E15TAG1	Leroy Somer TAL0473B	400 / 3	500	455

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.