DGGB310PS

310 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Acoustic canopied

NEW DIESEL GENERATOR RANGE



Representative DGGB enclosure; final build may vary.

SELECTED CONFIGURATION

ENGINE

Perkins 1506A-E88TAG4

ALTERNATOR

Stamford S4L1D-D41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

283 kVA 226 kW

STANDBY POWER / ESP

308 kVA 246 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	307	246	284	227
200	PS	308	246	283	226
208	PS	309	247	284	227
220	PS	311	249	285	228
220	SD	307	246	283	226
230	SD	308	246	283	226
240	SD	309	247	284	227
254	SD	311	249	285	228
380	SS	307	246	283	226
400	SS	308	246	283	226
415	SS	309	247	284	227
440	SS	311	249	285	228

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

DGGB310PS | Perkins 1506A-E88TAG4 | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	1506A-E88TAG4
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	8.8L
Bore	112mm
Stroke	149mm
Compression ratio	16.1:1
Cooling	Liquid Cooled
Coolant capacity	33.2L
Oil capacity	41.0L

ALTERNATOR

Manufacturer	Stamford
Model	S4L1D-D41
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
31.6 L/h	45.8 L/h	60.2 L/h	66.3 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
3958 x 1504 x 2384	3500.65 kg	500 L

Reference frame 2900E (UK/EU). Drawing, weights and tank capacity are subject to the ordered build.

SPECIFY YOUR PROJECT

Tell us your site load, required voltage and phase, prime or standby duty, ambient conditions and installation requirements. DGGB will confirm a suitable build and its exact specification.

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.