DGGB780PS

780 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Acoustic canopied

NEW DIESEL GENERATOR RANGE



Representative DGGB enclosure; final build may vary.

SELECTED CONFIGURATION

ENGINE

Perkins 2806A-E18TAG4

ALTERNATOR

Stamford S5L1D-H41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

704 kVA 563 kW

STANDBY POWER / ESP

774 kVA 619 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	774	619	701	561
200	PS	774	619	704	563
208	PS	775	620	704	563
220	PS	779	623	707	566
220	SD	774	619	704	563
230	SD	774	619	704	563
240	SD	775	620	704	563
254	SD	779	623	707	566
400	SS	774	619	704	563
415	SS	775	620	704	563
440	SS	779	623	707	566

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

DGGB780PS | Perkins 2806A-E18TAG4 | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	2806A-E18TAG4
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	18.1L
Bore	145mm
Stroke	183mm
Compression ratio	14:1
Cooling	Liquid Cooled
Coolant capacity	110.0L
Oil capacity	68.0L

ALTERNATOR

Manufacturer	Stamford
Model	S5L1D-H41
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	12
AVR	AS440
Voltage regulation	1.0% Regulation%
Insulation class	H
Excitation	Brushless
Winding	311
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
76 L/h	108 L/h	145 L/h	160 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	7045.85 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
2806A-E18TAG4	Leroy Somer TAL049B	400 / 3	777	705
2806A-E18TAG4	Leroy Somer TAL049B	400 / 3	777	705

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.