DGGB900PS

900 kVA

ROUNDED CATALOGUE CLASS

Perkins diesel generator | Acoustic canopied

NEW DIESEL GENERATOR RANGE

ENGINE PLATFORM

Perkins

4006-23TAG3A

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE

Perkins 4006-23TAG3A

ALTERNATOR

Stamford S6L1D-D41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP

802 kVA 642 kW

STANDBY POWER / ESP

896 kVA 717 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	895	716	802	642
400	SS	896	717	802	642

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

DGGB900PS | Perkins 4006-23TAG3A | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	4006-23TAG3A
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	22.92L
Bore	160mm
Stroke	195mm
Compression ratio	13.6:1
Cooling	Liquid Cooled
Coolant capacity	120L
Oil capacity	113L

ALTERNATOR

Manufacturer	Stamford
Model	S6L1D-D41
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	6
AVR	MX321
Voltage regulation	0.5%
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
91 L/h	131 L/h	172 L/h	193 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

Dimensions, weight, fuel tank and model-specific drawing are confirmed with the quotation.

No complete matching frame data is published for this selected configuration.

OTHER CONFIGURATIONS IN THIS CATALOGUE CLASS

Engine	Alternator	V / phase	ESP kVA	PRP kVA
4006-23TAG3A	Leroy Somer TAL049D	400 / 3	900	804

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.