DGGB1800C

1800 kVA

ROUNDED CATALOGUE CLASS

Cummins diesel generator | Open set

NEW DIESEL GENERATOR RANGE

ENGINE PLATFORM

Cummins

QSK50G7

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE

Cummins QSK50G7

ALTERNATOR

Stamford S7L1D-F41

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP

1647 kVA 1318 kW

STANDBY POWER / ESP

1818 kVA 1454 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	1818	1454	1646	1317
400	SS	1818	1454	1647	1318

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

DGGB1800C | Cummins QSK50G7 | Open set

ENGINE

Manufacturer	Cummins
Model	QSK50G7
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	16
Arrangement	At Vee
Displacement	50.3L
Bore	159mm
Stroke	159mm
Compression ratio	15.0:1
Cooling	Liquid Cooled
Coolant capacity	468.1L
Oil capacity	234.7L

ALTERNATOR

Manufacturer	Stamford
Model	S7L1D-F41
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
190 L/h	265 L/h	341 L/h	380 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.

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.