DGGB680SS

680 kVA

ROUNDED CATALOGUE CLASS

Scania diesel generator | Acoustic canopied

NEW DIESEL GENERATOR RANGE



Representative DGGB enclosure; final build may vary.

SELECTED CONFIGURATION

ENGINE

Scania DC16093A-02-53

ALTERNATOR

Stamford HCI544F1

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

613 kVA 490 kW

STANDBY POWER / ESP

673 kVA 538 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	671	537	610	488
200	PS	673	538	613	490
208	PS	674	539	613	490
220	PS	676	541	615	492
220	SD	671	537	611	489
230	SD	673	538	613	490
240	SD	674	539	613	490
254	SD	676	541	615	492
380	SS	671	537	611	489
400	SS	673	538	613	490
415	SS	674	539	613	490
440	SS	676	541	615	492

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

DGGB680SS | Scania DC16093A-02-53 | Acoustic canopied

ENGINE

Manufacturer	Scania
Model	DC16093A-02-53
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	ECU
Cylinders	8
Arrangement	At Vee
Displacement	16.4L
Bore	130mm
Stroke	154mm
Compression ratio	16.7:1
Cooling	Liquid Cooled
Coolant capacity	68L
Oil capacity	48L

ALTERNATOR

Manufacturer	Stamford
Model	HCI544F1
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
60.4 L/h	88.2 L/h	120.1 L/h	135.6 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	5808.8 kg	1120 L

Reference frame 5100E (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.