DGGB620SS

620 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-02-52

ALTERNATOR

Stamford HCI544E1

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

PRIME POWER / PRP

561 kVA 449 kW

STANDBY POWER / ESP

617 kVA 494 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	615	492	561	449
200	PS	617	494	561	449
208	PS	618	494	562	450
220	PS	619	495	563	450
220	SD	615	492	560	448
230	SD	617	494	561	449
240	SD	618	494	562	450
254	SD	619	495	563	450
380	SS	615	492	560	448
400	SS	617	494	561	449
415	SS	618	494	562	450
440	SS	619	495	563	450

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

DGGB620SS | Scania DC16093A-02-52 | Acoustic canopied

ENGINE

Manufacturer	Scania
Model	DC16093A-02-52
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	HCI544E1
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
55.7 L/h	81.5 L/h	108.6 L/h	122.1 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	5666.8 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
DC16093A-02-52	Stamford S5L1D-E41	400 / 3	617	561

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.