DGGB780S

780 kVA

ROUNDED CATALOGUE CLASS

Scania diesel generator | Open set

NEW DIESEL GENERATOR RANGE

ENGINE PLATFORM

Scania

DC16078A-02-43

Model-specific drawing supplied with quotation.

SELECTED CONFIGURATION

ENGINE

Scania DC16078A-02-43

ALTERNATOR

Mecc Alte ECO40-VL4C

ELECTRICAL OUTPUT

400 V | 3-phase | 50 Hz

Configuration and appearance are confirmed with the quotation.

PRIME POWER / PRP

708 kVA 566 kW

STANDBY POWER / ESP

776 kVA 621 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	774	619	706	565
400	SS	776	621	708	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

DGGB780S | Scania DC16078A-02-43 | Open set

ENGINE

Manufacturer	Scania
Model	DC16078A-02-43
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	Mecc Alte
Model	ECO40-VL4C
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	12
AVR	DER-1/A
Voltage regulation	1%
Insulation class	H
Excitation	Self Excited
Winding	T0405P3
Harmonic content	<3.50%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
69 L/h	103.6 L/h	139.5 L/h	156.8 L/h

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

REFERENCE WEIGHT

3340.8 kg

Reference frame Error (9077GA) (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.