GPS500S

500 kVA
ROUNDED CATALOGUE CLASS

Scania diesel generator | Open set

Designed and manufactured in the United Kingdom

ENGINE PLATFORM

Scania

DC13072A-02-13

Model-specific drawing supplied with quotation.

Configuration and appearance are confirmed with the quotation.

SELECTED CONFIGURATION

ENGINE
Scania DC13072A-02-13

ALTERNATOR
Stamford HCI544C1

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
461 kVA 369 kW

STANDBY POWER / ESP
501 kVA 401 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The GPS 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	500	400	455	364
200	PS	501	401	461	369
208	PS	500	400	455	364
220	PS	495	396	450	360
220	SD	500	400	455	364
230	SD	501	401	461	369
240	SD	500	400	455	364
254	SD	495	396	450	360
380	SS	500	400	455	364
400	SS	501	401	461	369
415	SS	500	400	455	364
440	SS	495	396	450	360

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.

Technical specification

GPS500S | Scania DC13072A-02-13 | Open set

ENGINE

Manufacturer	Scania
Model	DC13072A-02-13
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	ECU
Cylinders	6
Arrangement	In Line
Displacement	12.7L
Bore	130mm
Stroke	160mm
Compression ratio	16.3:1
Cooling	Liquid Cooled
Coolant capacity	38L
Oil capacity	36L

ALTERNATOR

Manufacturer	Stamford
Model	HCI544C1
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
43.9 L/h	**65.1 L/h**	**88.2 L/h**	**98.9 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

REFERENCE WEIGHT	FUEL TANK
2788.2 kg	**730 L**

Reference frame 9007GA (Export). 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
DC13072A-02-13	Stamford S4L1D-G41	400 / 3	496	450
DC16071A-02-01	Stamford S5L1D-D41	400 / 3	Confirm	501

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.
GenPro technical specification | Reviewed 2026-10-12