



SCANIA GENSET SG500

FAMCO
هایپر صنعت



A perfect power package.

You deserve a genset you can rely on. A dependable power plant delivering maximum uptime, low operational costs and long-term profitability.

The Scania Gensets are engineered with all this in mind. The result: A comprehensive range of extremely reliable and fuel efficient power packages. All of them built around the latest generation of Scania diesels; impressive engines having proven their skills and endurance in all kinds of climates and environments.

Every Scania Genset is an integrated, ready-to-run solution with true Scania quality in every detail – from the cutting-edge diesel engine and alternator, to the sophisticated digital control interface. All in all, our gensets are solid performers providing high efficiency, reduced emissions and low life-cycle-costs.

The Scania Genset comes in two types to perfect fit your application.

Prime power

For continuous operation and unlimited yearly operation time at varying load. Max mean load factor of 70% of rated power over 24 h of operation. 1 hour/12 hours period of accumulated peak overload to 110%. Available for Fuel optimized gensets.

Standby power

This rating is for the supply of continuous electrical power (at variable load) in the event of a reliable utility power failure. No overload is permitted.

Available for Fuel optimized gensets.

Genset type	SG500	SG500
Application	Prime	Standby
50Hz, 380-415V, 200/115V	450 kVA 360 kWe	500 kVA 400 kWe
60Hz, 440-480V, 200/115V	500 kVA 400 kWe	555 kVA 445 kWe

Ratings at 0.8 pf

Genset images may include optional extras.

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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

Genset specification	Unit	50Hz, 1,500rpm Fuel optimized	60Hz, 1,800rpm Fuel optimized
Scania engine type		DC13 072A	DC13 072A
Number of cylinders		6 in-line	6 in-line
Displacement	litre	12.7	12.7
Aspiration		Turbocharged	Turbocharged
Alternator		MeccAlte	MeccAlte
Frequency	Hz	50	60
Engine speed	rpm	1,500	1,800
Fuel tank capacity	litre	1075	1075

Fuel consumption

110%	L/h	101	116
100%	L/h	89	103
75%	L/h	66	74
50%	L/h	44	50

Technical data

Heat rejection to exhaust system	kW	309	358
Heat rejection to cooling system	kW	134	166
Exhaust temperature	°C	536	557
Combustion air flow	kg/min	32	36

Sound power levels

Sound power level Canopy STD (Non-CE)	dB LWA	102	TBA
Sound power level Canopy Canopy CE	dB LWA	98	TBA
1 m, 75% load	dB (A)	79	TBA
7 m, 75% load	dB (A)	70	TBA
15 m, 75% load	dB (A)	65	TBA

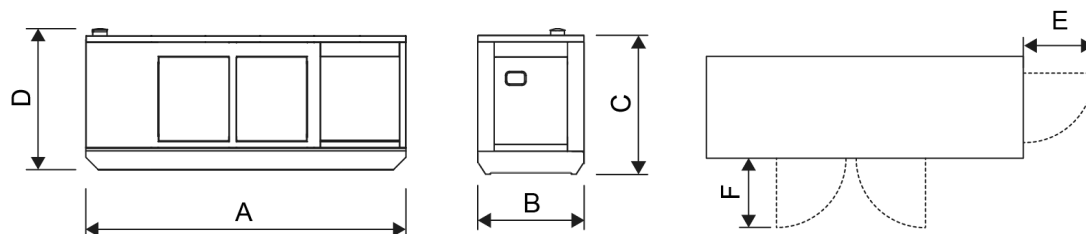
Dimensions

Length (A)	mm	5000	5000
Width (B)	mm	1600	1600
Height (C)	mm	2100	2100
Total height of exhaust rain cap (D)	mm	2163	2163
Max horizontal projection of end door (E)	mm	1108	1108
Max horizontal projection of doors at each side (F)	mm	1108	1108

Weight

Incl. coolant and oil, excl. batteries and fuel	kg	4950 (calculated)	4950 (calculated)
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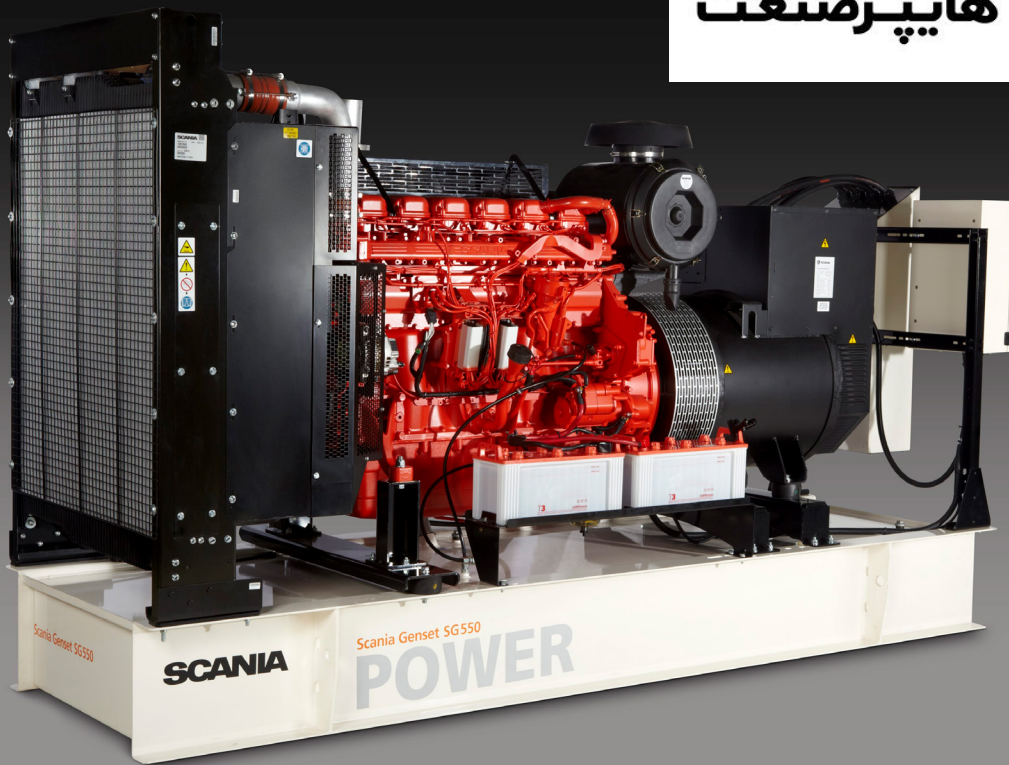
Test conditions Air temperature +25°C. Barometric pressure 100 kPa (750 mmHg). Humidity 30%. Diesel fuel acc. to ECE R 24 Annex 6. Density of fuel 0.840 kg/dm³. Viscosity of fuel 3.0 cSt at 40°C. Energy value 42700 kJ/kg. **Power test code** ISO 3046. Power and fuel values ±3%.





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Displacement	litre	12.7	12.7
Aspiration		Turbocharged	Turbocharged
Alternator		MeccAlte	MeccAlte
Frequency	Hz	50	60
Engine speed	rpm	1,500	1,800
Fuel tank capacity	litre	965	965
Fuel consumption			
110%	L/h	101	116
100%	L/h	89	103
75%	L/h	66	74
50%	L/h	44	50
Technical data			
Heat rejection to exhaust system	kW	309	358
Heat rejection to cooling system	kW	134	166
Exhaust temperature	°C	536	557
Combustion air flow	kg/min	32	36
Exhaust noise from engine			
1 m after turbocharger at max. power	dB (A)	118	120
Dimensions			
Length (A)	mm	3831	3831
Width (B)	mm	1120	1120
Height (C)	mm	2138	2138
Weight			
Incl. coolant and oil, excl. batteries and fuel	kg	3250 (calculated)	3250 (calculated)

Test conditions Air temperature +25°C. Barometric pressure 100 kPa (750 mmHg). Humidity 30%. Diesel fuel acc. to ECE R 24 Annex 6. Density of fuel 0.840 kg/dm³. Viscosity of fuel 3.0 cSt at 40°C. Energy value 42700 kJ/kg. **Power test code** ISO 3046. Power and fuel values ±3%.

