



SCANIA GENSET SG400

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## 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 and EU Stage IIIA compliant 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	SG400	SG400
Application	Prime	Standby
50Hz, 380-415V, 200/115V	370 kVA 295 kWe	400 kVA 320 kWe
60Hz, 440-480V	415 kVA 330 kWe	465 kVA 370 kWe
60Hz, 200/115V	415 kVA 330 kWe	455 kVA 365 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 EU Stage IIIA compliant	50Hz, 1,500rpm Fuel optimized	60Hz, 1,800rpm Fuel optimized
Scania engine type		DC13 071A	DC13 072A	DC13 072A
Number of cylinders		6 in-line	6 in-line	6 in-line
Displacement	litre	12.7	12.7	12.7
Aspiration		Turbocharged	Turbocharged	Turbocharged
Alternator		MeccAlte	MeccAlte	MeccAlte
Frequency	Hz	50	50	60
Engine speed	rpm	1,500	1,500	1,800
Fuel tank capacity	litre	1075	1075	1075

**Fuel consumption**

110%	L/h	86	87	93
100%	L/h	79	79	83
75%	L/h	59	60	62
50%	L/h	40	41	43

**Technical data**

Heat rejection to exhaust system	kW	252	229	252
Heat rejection to cooling system	kW	150	111	150
Exhaust temperature	°C	513	485	513
Combustion air flow	kg/min	27	27	27

**Sound power levels**

Sound power level Canopy STD (Non-CE)	dB LWA	NA	99	TBA
Sound power level Canopy CE	dB LWA	97	97	TBA
1 m, 75% load	dB (A)	79	79	TBA
7 m, 75% load	dB (A)	70	70	TBA
15 m, 75% load	dB (A)	65	65	TBA

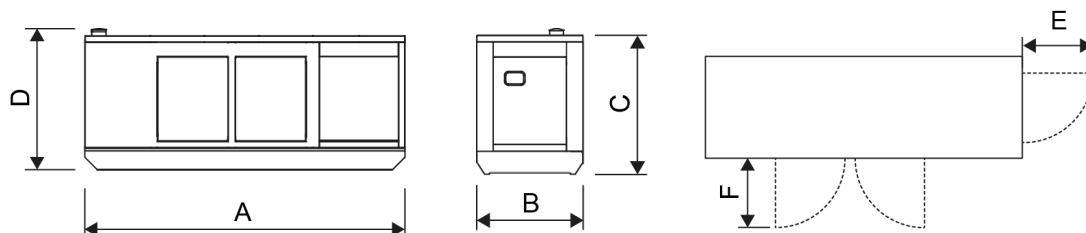
**Dimensions**

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

**Weight**

Incl. coolant and oil, excl. batteries and fuel	kg	4870 (calculated)	4870 (calculated)	4870 (calculated)
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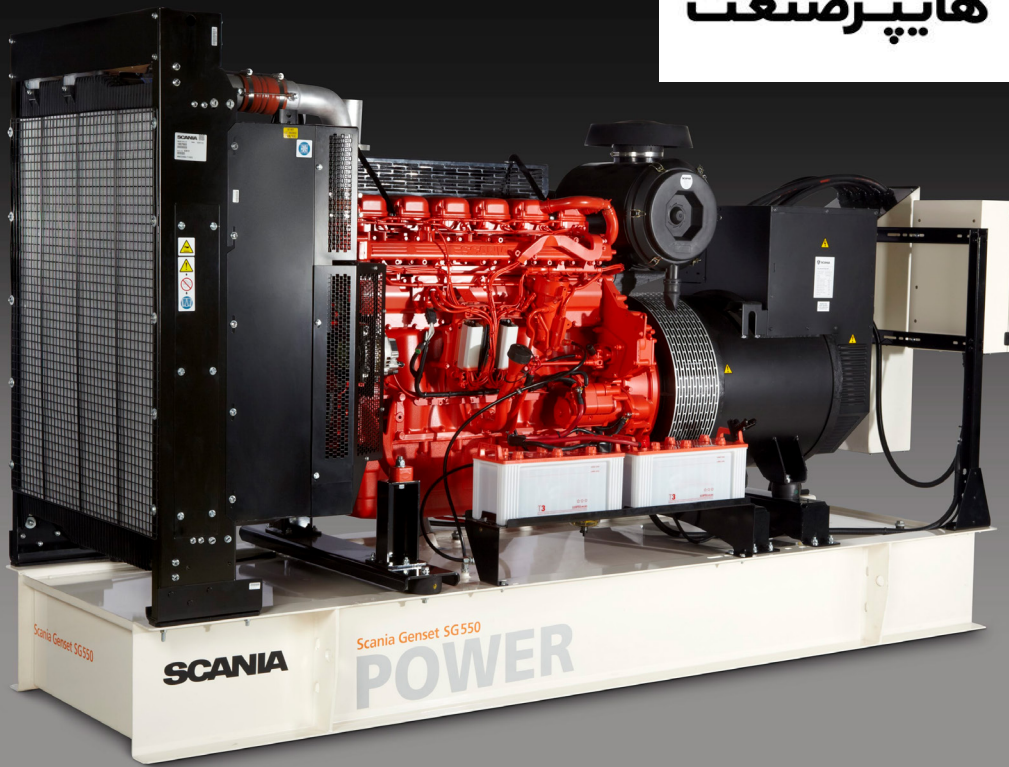
**Test conditions** Air temperature +25°C. Barometric pressure 100 kPa (750 mmHg). Humidity 30%. Diesel fuel acc. to ECE R 24 Annex 6. Density of fuel 0.840 kg/dm<sup>3</sup>. Viscosity of fuel 3.0 cSt at 40°C. Energy value 42700 kJ/kg. **Power test code** ISO 3046. Power and fuel values ±3%.





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روبروی پالایشگاه نفت پارس، پلاک ۱۲



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Aspiration		Turbocharged	Turbocharged	Turbocharged
Alternator		MeccAlte	MeccAlte	MeccAlte
Frequency	Hz	50	50	60
Engine speed	rpm	1,500	1,500	1,800
Fuel tank capacity	litre	965	965	965

**Fuel consumption**

110%	L/h	86	87	93
100%	L/h	79	79	83
75%	L/h	59	60	62
50%	L/h	40	41	43

**Technical data**

Heat rejection to exhaust system	kW	252	229	252
Heat rejection to cooling system	kW	150	111	150
Exhaust temperature	°C	513	485	513
Combustion air flow	kg/min	27	27	27

**Exhaust noise from engine**

1 m after turbocharger at max. power	dB (A)	118	118	120
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**Dimensions**

Length (A)	mm	3831	3831	3831
Width (B)	mm	1120	1120	1120
Height (C)	mm	2138	2138	2138

**Weight**

Incl. coolant and oil, excl. batteries and fuel	kg	3170 (calculated)	3170 (calculated)	3170 (calculated)
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