



SCANIA GENSET SG440

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 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	SG440	SG440
Application	Prime	Standby
50Hz, 380-415V, 200/115V	400 kVA 320 kWe	440 kVA 350 kWe
60Hz, 440-480V, 200/115V	430 kVA 345 kWe	500 kVA 400 kWe

Ratings at 0.8 pf

Genset images may include optional extras.

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	94	86	105
100%	L/h	87	77	93
75%	L/h	66	58	68
50%	L/h	44	39	47

Technical data

Heat rejection to exhaust system	kW	276	271	324
Heat rejection to cooling system	kW	148	119	143
Exhaust temperature	°C	513	509	524
Combustion air flow	kg/min	29	30	35

Sound power levels

Sound power level Canopy STD (Non-CE)	dB LWA	NA	102	TBA
Sound power level Canopy CE	dB LWA	98	98	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

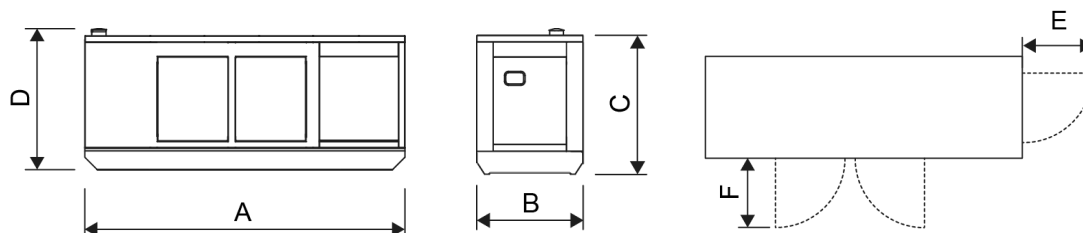
Dimensions

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/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%.



تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

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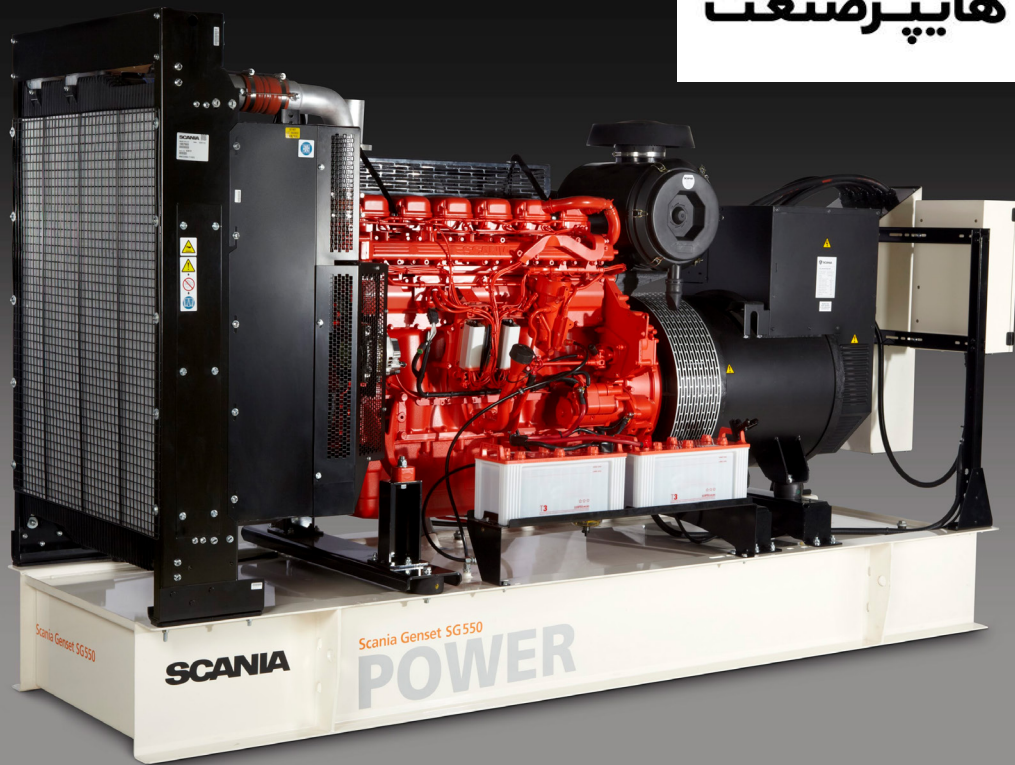
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Ratings at 0.8 pf

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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
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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	965	965	965

Fuel consumption

110%	L/h	94	86	105
100%	L/h	88	77	93
75%	L/h	66	58	68
50%	L/h	44	39	47

Technical data

Heat rejection to exhaust system	kW	276	271	324
Heat rejection to cooling system	kW	148	119	143
Exhaust temperature	°C	513	509	524
Combustion air flow	kg/min	29	30	35

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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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%.

