



SCANIA GENSET SG310

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	SG310	SG310
Application	Prime	Standby
50Hz, 380-415V, 200/115V	280 kVA 225 kWe	310 kVA 250 kWe
60Hz, 440-480V	305 kVA 245 kWe	345 kVA 275 kWe
60Hz, 200/115V	305 kVA 245 kWe	340 kVA 270 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		DC09 071A	DC09 072A	DC09 072A
Number of cylinders		5 in-line	5 in-line	5 in-line
Displacement	litre	9.3	9.3	9.3
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	67	64	72
100%	L/h	61	57	65
75%	L/h	48	42	48
50%	L/h	32	29	33

Technical data

Heat rejection to exhaust system	kW	197	194	234
Heat rejection to cooling system	kW	116	93	102
Exhaust temperature	°C	515	471	493
Combustion air flow	kg/min	21	23	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

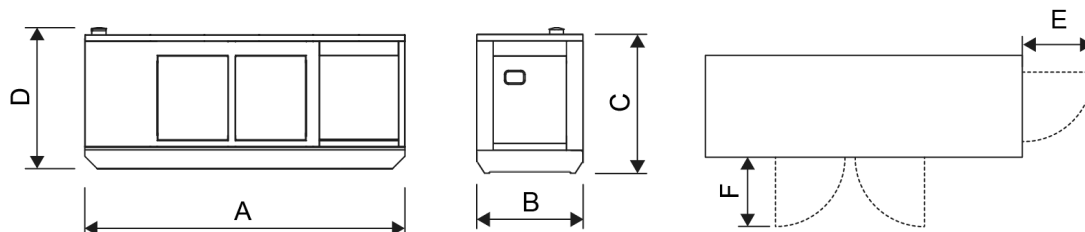
Dimensions

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	4500 (calculated)	4500 (calculated)	4500 (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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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	67	64	72
100%	L/h	61	57	65
75%	L/h	48	42	48
50%	L/h	32	29	33

Technical data

Heat rejection to exhaust system	kW	197	194	234
Heat rejection to cooling system	kW	116	93	102
Exhaust temperature	°C	515	471	493
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Exhaust noise from engine

1 m after turbocharger at max. power	dB (A)	117	117	119
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Dimensions

Length (A)	mm	3806	3806	3806
Width (B)	mm	1100	1100	1100
Height (C)	mm	1833	1833	1833

Weight

Incl. coolant and oil, excl. batteries and fuel	kg	2800 (calculated)	2800 (calculated)	2800 (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%.

