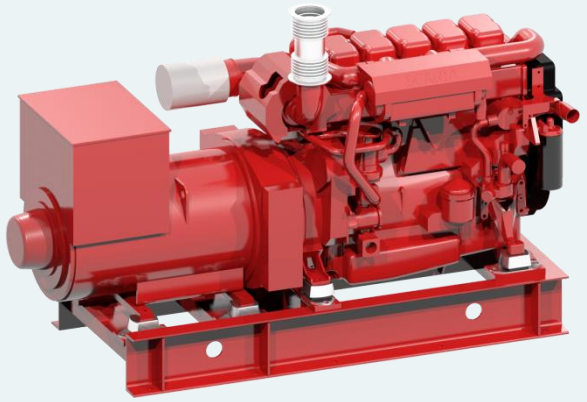
SCANIA DI09 074M

> 269-269 KW @ 1500-1800 RPM



- **Unit injector**
- **Wet cylinder liners**
- **Separate cylinder heads**
- **Excellent fuel economy**
- **Low emissions**

Scania Auxiliary Engine

Scania marine engines are designed for strength and durability. The basis of the design is an optimized cylinder block with replaceable water-cooled cylinder liners.

Individual cylinder heads with four valves per cylinder offers easier service and access for repairs. The engine is controlled by Scania EMS system that monitors the engines systems and verifies that the correct amount of fuel is delivered through the engines electronically controlled unit injectors. Scania EMS ensures low fuel consumption and the cleanest possible exhaust. The engine is type approved by the major classification societies and meets the current environmental standards.

Rated power and fuel consumption		
RPM / Hz	***1500 / 50***	***1800 / 60***
Generator effect	269 kW	269 kW
Torque	1713 Nm	1427 Nm
Fuel Consumption 100%	196 g/kWh	199 g/kWh
Fuel Consumption 75%	194 g/kWh	200 g/kWh
Fuel Consumption 50%	200 g/kWh	207 g/kWh
Emission ratings	EU Stage IIIa US Tier 2 and IMO Tier II	

Standard equipment

- Nogva Motor Computer V2-G
- Electronic regulation
- 2-pole electrical system
- Heat exchanger
- Exhaust compensator
- Silencer
- Bilge pump for lub.oil
- Engine brackets
- Water cooled manifold
- Vibration isolators
- Base frame in steel
- Heat elements in generator
- With droop transformer for parallel operation
- Closed crankcase ventilation with filter

Optional equipment

- Box cooler / Keel cooler
- Radiator cooling
- Engine heater

Dokumentnummer:

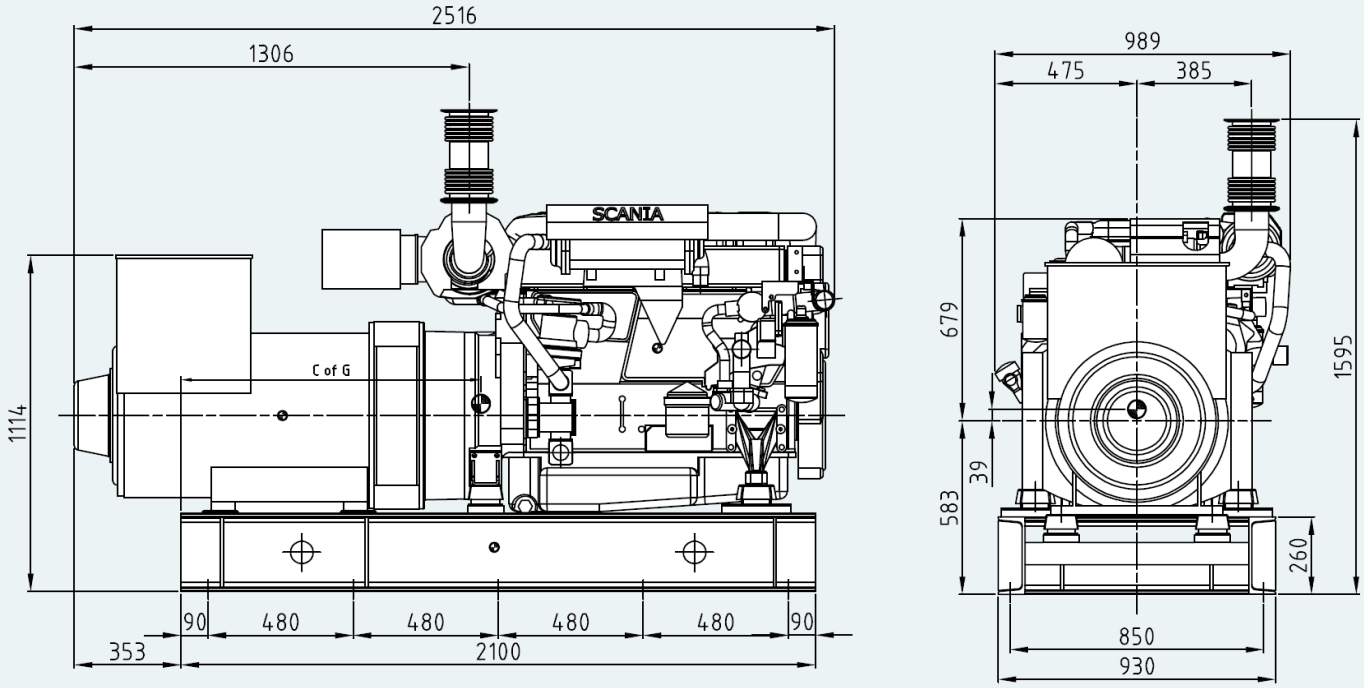
SCANIA DI09 074M

General Data	
Model	DI09 074M
Number of cylinders	5
Engine type	In-line, 4-cycle
Aspiration	Turbocharged
Bore and stroke	130 x 140 mm
Displacement	9,3 L
Compression ratio	18:1
Injection system	Unit injector, PDE
Oil capacity	Min 32 - Max 38 liter
Oil change intervals	500 hours
Oil cleaner	Centrifugal and filtration
Electrical system	2-pole, 24V, DC
Starter (standard)	2-pole, 24V, 7kW
Alternator (standard)	2-pole, 28V, 100A
Weight with HE	1150 kg
Weight with KC	1044 kg

Exhaust System		
RPM / Power	***1500 / 269 kW***	***1800 / 269 kW***
Exhaust temperature	483 °C	441 °C
Exhaust flow	$40{,}7\ m^3/min$	$44{,}5\ m^3/min$
Air consumption	$16{,}0\ m^3/min$	$18{,}6\ m^3/min$
Heat rejection		
To coolant*	188 kW	193 kW
To main coolant circuit**	154 kW	155 kW
To charge air cooler circuit**	34 kW	38 kW
To exhaust gas	164 kW	168 kW
To surrounding air	13 kW	13 kW
Cooling System	**HE**	**KC**
Coolant capacity	30 L	18 L
Coolant temperature	90-95 °C	83-88 °C
Opening temperature	80/87 °C	75 °C
Coolant flow @ back pressure in CAC circuit**	L/min @ bar 200 @ 0,5	L/min @ bar 240 @ 0,7
Coolant flow @ back pressure in main circuit	L/min @ bar 370 @ 0,5	L/min @ bar 460 @ 0,7

*Heat exchanger engines (HE) - **Keel cooled engines (KC)

Dimensions with Stamford HCM434CDE-2



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