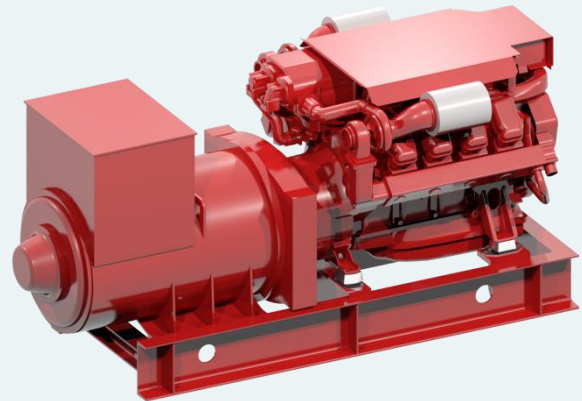


# SCANIA DI16 074M

> 480-553 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.

## 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

Rated power and fuel consumption		
<i>RPM / Hz</i>	<i>1500 / 50</i>	<i>1800 / 60</i>
Generator effect	480 kW	553 kW
Torque	3056 Nm	2934 Nm
Fuel Consumption 100%	198 g/kWh	201 g/kWh
Fuel Consumption 75%	200 g/kWh	203 g/kWh
Fuel Consumption 50%	203 g/kWh	206 g/kWh
Emission ratings	EU Stage IIIa US Tier 2 and IMO Tier II	

## Optional equipment

- > Electric seawater pump
- > Engine heater

# SCANIA DI16 074M

General Data		Exhaust System		
Model	DI16 074M	<b>RPM / Power</b>	<b>1500 / 480 kW</b>	<b>1800 / 553 kW</b>
Number of cylinders	V-8	Exhaust temperature	465 °C	430 °C
Engine type	4-cycle	Exhaust flow	75,3 m <sup>3</sup> /min	93,6 m <sup>3</sup> /min
Aspiration	Turbocharged	Air consumption	29,6 m <sup>3</sup> /min	38,0 m <sup>3</sup> /min
Bore and stroke	130 x 154 mm	<b>Heat rejection</b>		
Displacement	16,4 L	To coolant*	351 kW	416 kW
Compression ratio	16,7:1	To main coolant circuit**	---- kW	---- kW
Injection system	Unit injector, PDE	To charge air cooler circuit**	---- kW	---- kW
Oil capacity	Min 40 - Max 48 liter	To exhaust gas	293 kW	346 kW
Oil change intervals	500 hours	To surrounding air	23 kW	27 kW
Oil cleaner	Centrifugal and filtration	<b>Cooling System</b>	<b>HE</b>	<b>KC</b>
Electrical system	2-pole, 24V, DC	Coolant capacity	63 L	50 L
Starter (standard)	2-pole, 24V, 7kW	Coolant temperature	86-91 °C	78-83 °C
Alternator (standard)	2-pole, 28V, 100A	Opening temperature	80/87 °C	75 °C
Weight with HE	1670 kg	Coolant flow @ back pressure in CAC circuit**	L/min @ bar 200 @ 0,5	L/min @ bar 240 @ 0,7
Weight with KC		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 HCM634GHJK-2

