SCANIA
DI09 074M

> 199 KW

The marine engines from Scania are based on a robust design with a strength optimized cylinder block containing wet cylinder liners that can easily be exchanged. Individual cylinder heads with 4 valves per cylinder promotes reparability and fuel economy. The engines are type-approved in all major classification societies.

The engine is equipped with a Scania developed Engine Management System, EMS, to ensure the control of all aspects related to engine performance. The injection system is based on electronically controlled unit injectors, which gives low exhaust emissions with good fuel economy and a high torque already at low revs.

The engine can be fitted with many accessories such as air cleaners, PTOs, and instrumentation to suit a variety of installations.

	Engine speed (rpm)	
	1500	1800
Gross power, full load (kW)	199	199
Gross torque (Nm)	1267	1056
Fuel consumption at full load (g/kWh)	194	200
Fuel consumption at 3/4 load (g/kWh)	198	205
Fuel consumption at 1/2 load (g/kWh)	207	218
Heat rejection to coolant (kW)	144	152

Rating: PRP - Prime power
For continuous operation and unlimited yearly operating time at varying load. Max. mean load factor of 70% of rated power over 24 h of operation. 1 hour/12-hour period of overload to 110% load. Max. 25 h accumulated service time above 100% load per year.

Standard equipment

- Scania Engine Management System, EMS
- Unit injectors, PDE
- Turbocharger
- Fuel pre-filter with water separator
- Fuel filter
- Oil filter, full flow
- Centrifugal oil cleaner
- Oil cooler, integrated in cylinder block
- Oil filler, in cylinder block
- Oil dipstick, in cylinder block
- Starter motor, 2-pole 7.0 kW
- Alternator, 2-pole 100 A
- Flywheel SAE 14
- Silumin flywheel housing, SAE 1 flange
- Front-mounted engine suspension
- Protection covers
- Closed crankcase ventilation

Optional equipment

- Scania Instrumentation 2.1
- Hydraulic pump
- Side-mounted PTO
- Front-mounted PTO
- Exhaust connections
- Accelerator position sensor
- Engine heater
- Power pack engine suspension
- Stiff rubber suspension
- Air cleaner
- Studs in flywheel housing
- Reversible fuel filter
- Variable idle speed setting
- Low oil sump
- Long oil dipstick
- Oil level sensor
- Coolant level monitor
- Bilge pump

This specification may be revised without notice.

SCANIA DI09 074M

DI09 074M. 199 kW

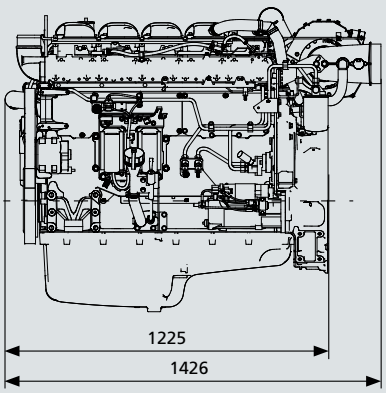
IMO Tier II, EU Stage IIIA

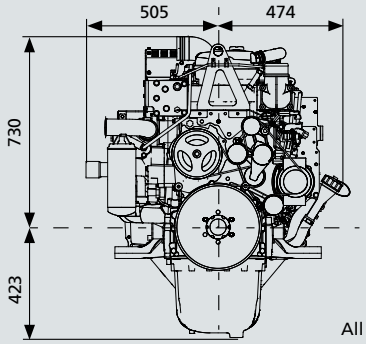
EMERGENCY / HARBOUR

Without heat exchanger and water-cooled CAC

Engine description

No of cylinders	5 in-line
Working principle	4-stroke
Firing order	1 - 2 - 4 - 5 - 3
Displacement	9.3 litres
Bore x stroke	130 x 140 mm
Compression ratio	18:1
Weight	1032 kg (excl oil and coolant)
Piston speed at 1500 rpm	7.0 m/s
Piston speed at 1800 rpm	8.4 m/s
Camshaft	High position alloy steel
Pistons	Aluminum pistons
Connection rods	I-section press forgings of alloy steel
Crankshaft	Alloy steel with hardened and polished bearing surfaces
Oil capacity	32-38 dm^3 (standard oil sump)
Electrical system	2-pole 24 V DC





All dimensions in mm