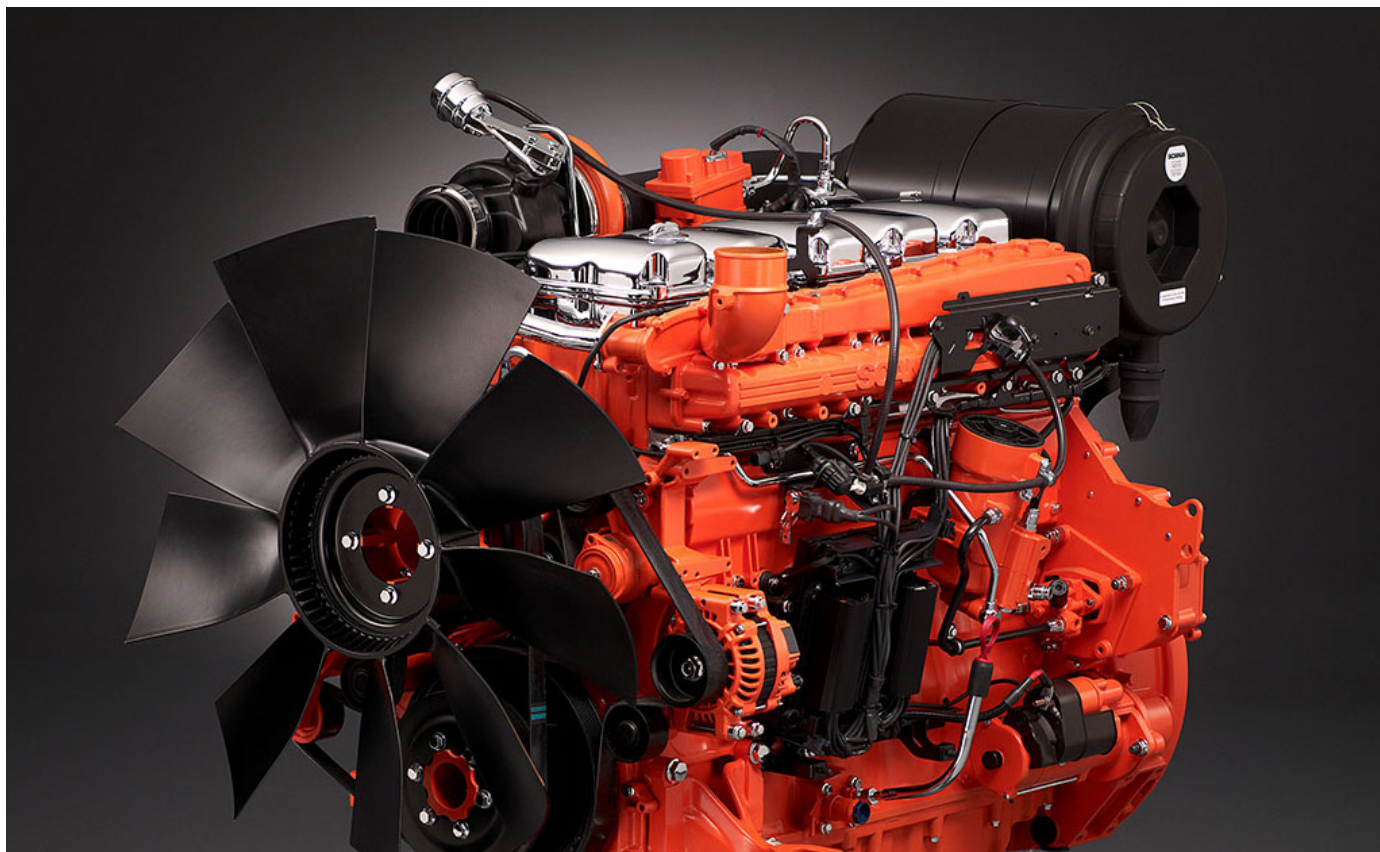


SCANIA INDUSTRIAL ENGINE: EU STAGE II, CHINA STAGE II AND RUSSIA STAGE I

9-LITRE ENGINE



Engine description

DC09 074A. 202 kW

Engine speed	2,100 rpm
Emission compliance	EU Stage II, China Stage II and Russia Stage I
Rating	ICFN
No of cylinders	5 in-line
Working principle	4-stroke
Displacement	9.3 litres
Weight	950 kg (excluding oil and coolant)
Oil capacity	31-36 litres (standard oil sump)
Electric system	1-pole, 24 V DC

Scania's industrial engines are based on a robust design with a strength-optimized cylinder block containing wet cylinder liners, which can easily be exchanged. Individual cylinder heads with 4 valves per cylinder promotes reparability and fuel economy.

The engines are equipped with a Scania developed Engine Management System, EMS, to ensure 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. The engines can be fitted with many accessories such as air cleaners, silencers, PTOs and flywheels, to suit a variety of installations.

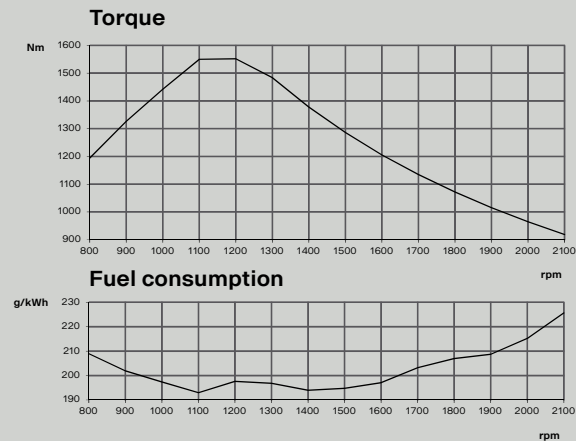
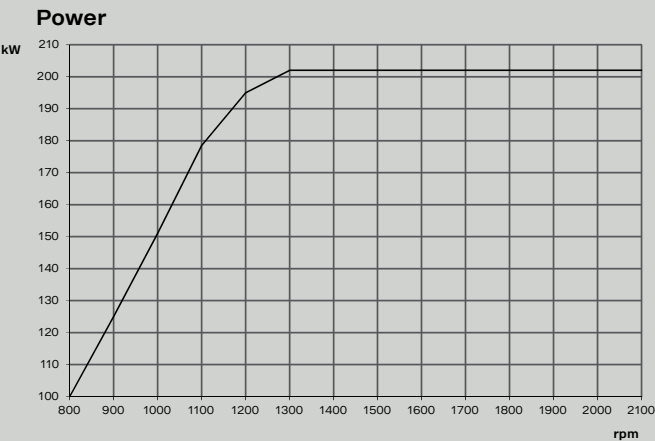
Standard equipment

- Scania Engine Management System, EMS
- Unit injectors, PDE
- Turbocharger
- Saver ring in cylinder liner
- Fuel filter and extra pre-filter with water separator
- Oil filter, full flow
- Centrifugal oil cleaner
- Oil cooler, integrated in cylinder block
- Oil filler, in valve cover
- Oil dipstick, in cylinder block
- Deep front oil sump with ladder frame
- Magnetic drain plug for oil draining
- Starter motor, 1-pole, 6.0 kW
- Alternator, 1-pole, 100 A
- Flywheel, for use with friction clutch
- Silumin flywheel housing, SAE 1 flange
- Front-mounted engine suspension
- Open crankcase ventilation

ICFN - Continuous service:

Engine speeds at 85% of rated speed or above:
100% output available for 1 hour/1-hour period with an average load factor of 100%.
Engine speeds below 85% of rated speed: 100% output available for 1 hour/6-hour period with a max average load factor of 80%.

Power charts

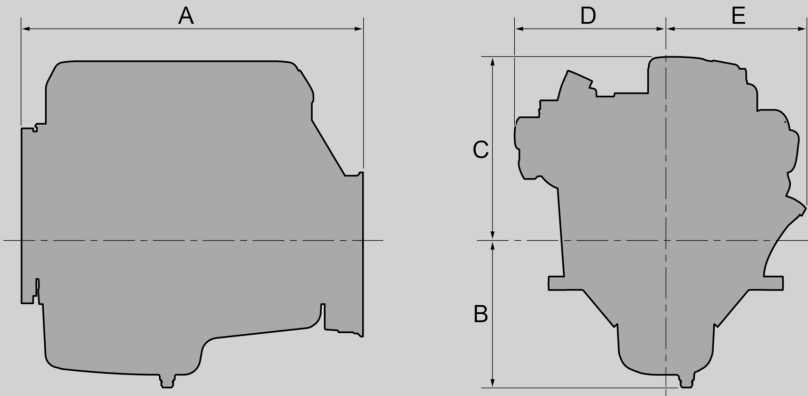


Test conditions. Air temperature 25°C. Barometric pressure 100 kPa (750 mmHg). Humidity 30%. Diesel fuel acc.to ECE R 24 Annex 6. Density of fuel 0.84 kg/dm³. Viscosity of fuel 3.0 cSt at 40°C. Energy value 42,700 kJ/kg. **Power test code** ISO 3046. Power and fuel values ±3%.

Dimensions

A Overall length	1,242
B Centre of crankshaft to bottom	437
C Centre of crankshaft to top	682
D Centre of crankshaft to right-hand side	434
E Centre of crankshaft to left-hand side	408

All dimensions indicated in mm



Technical data

	Engine speed (rpm)			
	1,200	1,500	1,800	2,100
Gross power (kW)	195	202	202	202
Gross power (hp, metric)	265	275	275	275
Gross torque (Nm)	1,552	1,286	1,072	919
Fuel consumption at full load (g/kWh)	198	195	207	226
Fuel consumption at 3/4 load (g/kWh)	197	198	210	237
Fuel consumption at 1/2 load (g/kWh)	202	208	222	254
Heat rejection to coolant (kW)	74	74	80	91