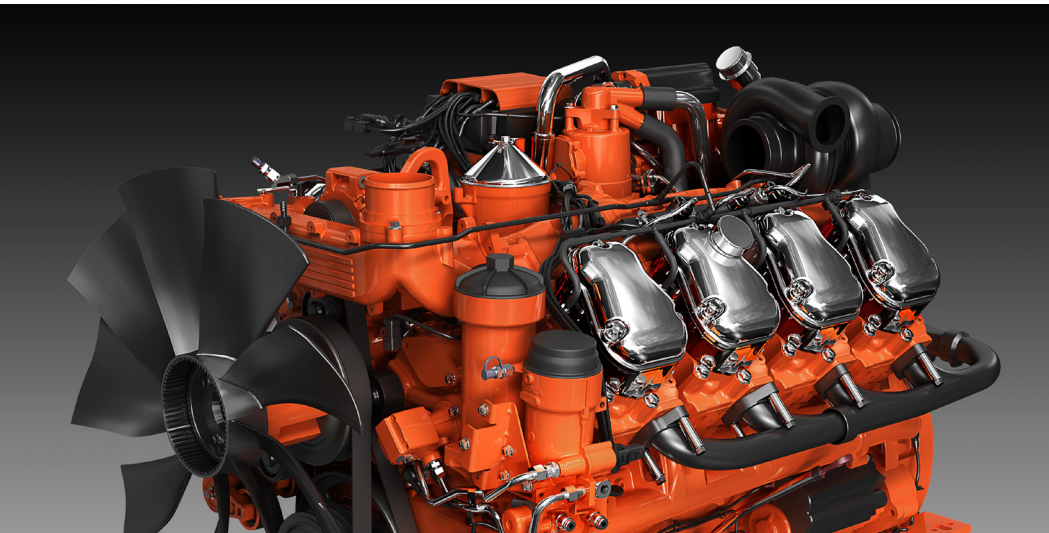




DC16 085A. 566 kW (770 hp)

US Tier 4f



The industrial 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 repairability and fuel economy.

The engine is equipped with a Scania developed Engine Management System, EMS, in order to ensure the control of all aspects related to engine performance. The injection system is Scania's XPI (Extra High Pressure Injection), a common rail system that in combination with SCR (Selective Catalytic Reduction) gives low exhaust emissions with good fuel economy and a high torque. The engine can be fitted with many accessories such as air cleaners, PTOs and flywheels in order to suit a variety of installations.

	Engine speed (rpm)			
	1200	1500	1800	2100
Gross power (kW)	345	500	566	546
Gross power (hp, metric)	469	680	770	743
Gross torque (Nm)	2745	3183	3003	2483
Spec fuel consumption. Full load (g/kWh)	198	199	209	220
Spec fuel consumption. 3/4 load (g/kWh)	200	199	206	221
Spec fuel consumption. 1/2 load (g/kWh)	203	203	211	228
Reductant consumption. Full load (g/kWh)	14	19	17	21

Rating: IFN – Intermittent service: Rated output available 1 h/6 hours period. Unlimited h/year service time at a load factor of 80%.

Note:

The fuel consumption values are valid when the engine uses fully warm aftertreatment system and in warm conditions. Fuel efficiency will be reduced during warm up and with colder ambient temperature, especially in combination with un-efficient thermal insulation of aftertreatment system.

Standard equipment

- Scania Engine Management System, EMS
- Extra high pressure fuel injection system, XPI
- Variable Geometry Turbocharger
- Fuel filter and extra pre-filter with water separator
- Fuel heater
- Oil filter, full flow
- Centrifugal oil cleaner
- Oil cooler, integrated in cylinder block
- Oil filler, in valve cover
- Deep front oil sump
- Oil dipstick, in cylinder block
- Magnetic drain plug for oil draining
- Starter, 1-pole 7.0 kW
- Alternator, 1-pole 100A
- Flywheel, for use with friction clutch
- Silumin flywheel housing, SAE 1 flange
- Front-mounted engine brackets
- SCR system
- Open crankcase ventilation

Optional equipment

- Cast iron flywheel housing
- Cooling package
- Prepared for cooling package
- Puller and pusher fans
- Fan ring with sealing
- Hydraulic pump
- Air compressor
- AC compressor
- Side-mounted PTO
- Front-mounted PTO
- Exhaust connections
- Engine heater
- Flywheel: SAE14"
- Stiff rubber engine suspension
- Air cleaner
- Closed crankcase ventilation
- Studs in flywheel housing
- External thermostat for extra oil cooler
- Coolant level sensor
- Oil level sensor
- Low oil sump

This specification may be revised without notice.