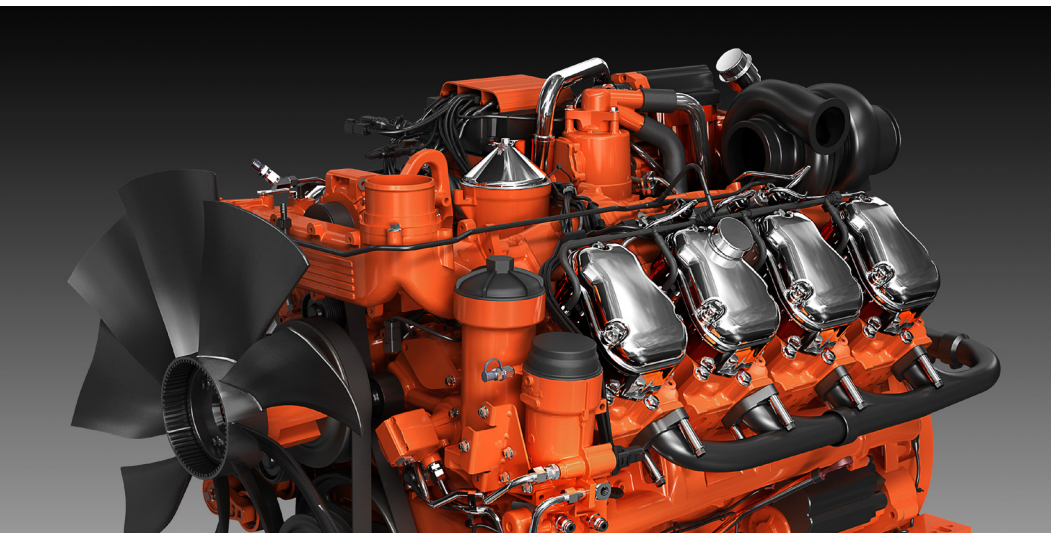




DC16 084A. 441 kW (600 hp)

US Tier 4f



Industrial engines from Scania are based on a robust design with a strength optimised 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 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 Scania's XPI (Extra High Pressure Injection), a common rail system that in combination with SCR (Selective Catalytic Reduction) and EGR (Exhaust Gas Recirculation) 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, to suit a variety of installations.

	Engine speed (rpm)			
	1200	1500	1800	2100
Gross power (kW)	383	441	441	441
Gross power (hp, metric)	521	600	600	600
Gross torque (Nm)	3050	2807	2340	2005
Fuel consumption at full load (g/kWh)	194	193	199	214
Fuel consumption at 3/4 load (g/kWh)	194	192	200	217
Fuel consumption at 1/2 load (g/kWh)	200	198	210	230
Reductant consumption at full load (g/kWh)	13	11	11	12

Rating: ICFN – Continuous service: Rated output available 1/1 h. Unlimited h/year service time at a load factor of 100%.

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 inefficient thermal insulation of the aftertreatment system.

Standard equipment

- Scania Engine Management System, EMS
- Extra high pressure fuel injection system, XPI
- Turbocharger (VGT)
- 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
- EGR 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.