



16 August 2019

Scania adds a 540 hp version to its 13-litre engine range

- The fifth member of Scania's industry-leading 13-litre range
- Offers fuel savings of up to 2 percent
- Ideal for weight-sensitive applications where solid power is crucial
- Saves fuel by low internal friction, new turbo and smart auxiliaries

Scania's range of industry leading 13-litre engines is now complemented by a 540 hp version. The new engine – DC13 166 – is primarily intended for applications and customers where lots of power and drivability are in demand while weight sensitivity or limitations such as front-axle loads hinder the use of Scania's slightly heavier V8 engines which start at 520 hp.

"True to our promise to always tailor-make our offers, we identified a customer need for a top-of-the-line version of our 13-litre hero," says Alexander Vlaskamp, Senior Vice President, Head of Scania Trucks. "Our inline six range is industry leading when it comes to fuel performance. Scania trucks with 13-litre engines have been crowned 'Green Truck' for three consecutive years in Germany, and that is a remarkable feat."

Scania is now offering five different performance steps of its most common engine, the inline six: 370, 410, 450, 500 and 540 hp (see chart below). The new 540 iteration shares most of its technology with its 500 hp sibling, like a robust fixed geometry turbo unit with ball bearings instead of journal bearings.

"The powerful 540 is mainly intended for customers and markets where legal aspects regarding front axle loads keep them from choosing a V8," says Vlaskamp. But it's perfect for anyone that needs extra power in their transport operation. Paired with the relevant gearing, this engine will work equally well for a timber truck or for a 'tulip express'. The latter travel European highways with rather light loads but are conscious about fuel consumption and average speeds."

What all DC13 engines have in common is their excellent fuel performance and the use of only SCR for exhaust after treatment. The inherent robustness along with services like Scania Maintenance with Flexible Plans contribute to favourable figures for cost and uptime, leading to outstanding total operating economy.

"The improved fuel figures and the power versus weight ratio will make this engine an attractive choice for many Scania customers," says Vlaskamp. 2700 Nm already from 1000 r/min allow for everything between fast gearing and low revs to excellent startability via hub reduction axles in forestry applications.



For more information, please contact:

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Scania's 13 litre Euro 6 engine range

Technical data DC13 370 – 450 hp

| | DC13 162 370 hp | DC13 163** 410 hp | DC13 164** 450 hp |
|---------------------|---------------------------------|---------------------------------|---------------------------------|
| Type | Inline | | |
| Displacement | 12.7 litres | | |
| Firing order | 1-5-3-6-2-4 | | |
| Cylinders | 6 | | |
| Valves per cylinder | 4 | | |
| Bore x stroke | 130 x 160 mm | | |
| Compression | 23.0:1 | | |
| Fuel injection | Scania XPI | | |
| Emission control | Scania SCR | | |
| Exhaust brake | 242 kW @ 2400 r/min | | |
| Oil capacity | 40 litres | | |
| Max. output | 370 hp (272 kW) @ 1800 r/min | 410 hp (302 kW) @ 1800 r/min | 450 hp (331 kW) @ 1800 r/min |
| Max. torque | 1900 Nm @ 900-1340 r/min | 2150 Nm @ 900-1340 r/min | 2350 Nm @ 900-1340 r/min |

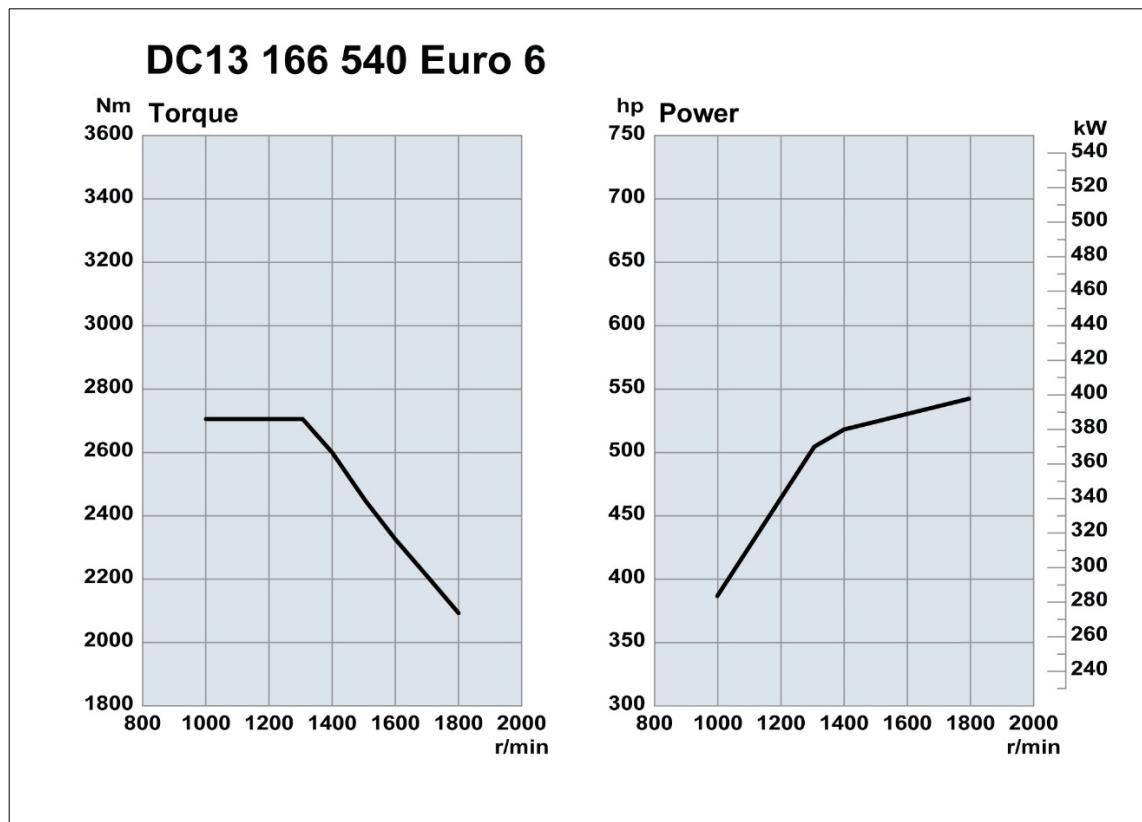


Technical data DC13 500 – 540 hp

| | DC13 165 500 hp | DC13 166 540 hp |
|---------------------|---------------------------------|---------------------------------|
| Type | Inline | |
| Displacement | 12.7 litres | |
| Firing order | 1-5-3-6-2-4 | |
| Cylinders | 6 | |
| Valves per cylinder | 4 | |
| Bore x stroke | 130 x 160 mm | |
| Compression | 21.0:1 | |
| Turbo unit | Ball bearings | |
| Fuel injection | Scania XPI | |
| Emission control | Scania SCR | |
| Exhaust brake | 242 kW @ 2400 rpm | |
| Oil capacity | 40 litres | |
| Max. output | 500 hp (368 kW) @ 1800 r/min | 540 hp (397 kW) @ 1800 r/min |
| Max. torque | 2550 Nm @ 925-1340 r/min | 2700 Nm @ 1000-1300 r/min |

*** Also available in a version that can use up to 100 percent biodiesel, such as FAME.*

All Scania's Euro 5 and Euro 6 diesel engines can run on a mixture of up to 100 percent hydrotreated vegetable oil (HVO) and any proportion of diesel and HVO, regardless of the engine family.



Scania is a world-leading provider of transport solutions. Together with our partners and customers we are driving the shift towards a sustainable transport system. In 2018, we delivered 88,000 trucks, 8,500 buses as well as 12,800 industrial and marine engines to our customers. Net sales totalled to over SEK 137 billion, of which about 20 percent were services-related. Founded in 1891, Scania now operates in more than 100 countries and employs some 52,000 people. Research and development are concentrated in Sweden, with branches in Brazil and India. Production takes place in Europe, Latin America and Asia, with regional production centres in Africa, Asia and Eurasia. Scania is part of TRATON SE. For more information visit: www.scania.com.

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