



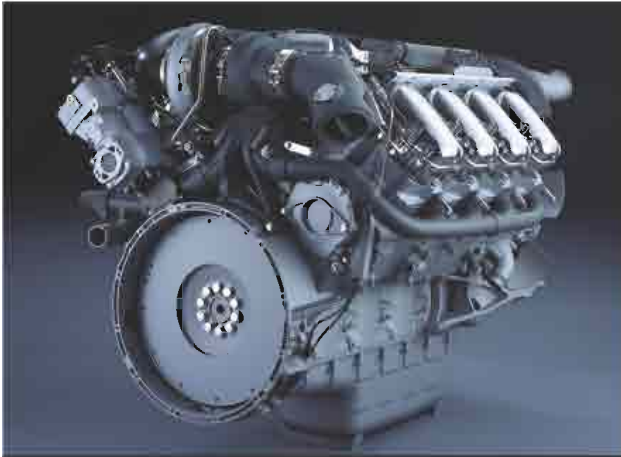
SCANIA HEAVY HAULAGE

SCANIA R 580 6X4 PULLER





Just what you need for total control



Effortless Performance with SCANIA V8 ENGINE

The Scania V8 engine offers complete customer and driver satisfaction with range of unique features like long engine life, increased uptime and increased productivity. V8 always gives a high initial power and Torque than the normal in-line engine which is of paramount priority in ODC applications. Since the load is spread over 8 cylinders engine ensures smoother running and fewer Torque fluctuations.

High Braking Performance with RETARDER Braking

Scania's Hydraulic Retarder is designed to handle all or the majority of the braking work which increases the service life of the wheel brakes by upto four times, Scania retarders provide better control of the vehicles when driving on downhill gradients with higher gross weights. With Automatic control the retarder is included in Brake Blending which means that the wheel brakes as well as the exhaust brake when required are applied immediately when the driver depresses the brake pedal.



Continuous operation with High Capacity AIR COMPRESSOR

Scania's twin cylinder Air Compressor in combination with increased capacity Air Processing system is the perfect combination for ODC Pullers as the air requirement for a multi axle hydraulic system is very demanding and it shall not be fulfilled with a single piston compressor as the air drains out very faster on the move and the compressor needs continuous operation to fulfil the requirements.

Scania's Intelligent Air Processing system activates and deactivates the compressor based on the pressure requirement which automatically reduces the load on the engine.

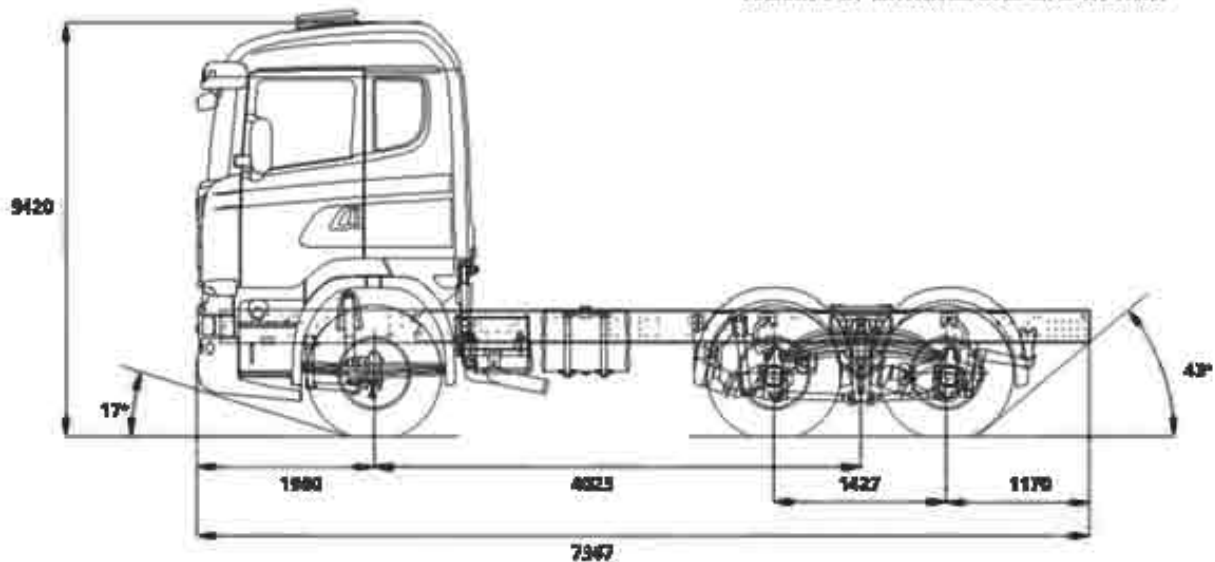
Getting Power to the Ground with Robust AXLE design

Scania's tandem bogie axle with hub reduction is upto 16 tonne capacity per axle with Multi leaf heavy duty suspension designed to suit high gross weights. In the axle, the maximum reduction happens at the hub which reduces strain on other driveline components such as half shafts, ensuring excellent mobility with high reliability and long service life.





Note: All dimensions are in mm



SCANIA R 580 6X4 Puller

DIMENSIONS

Wheel base.....	4,023 mm
Overall length.....	7,367 mm
Overall width.....	2,550 mm
Overall height.....	3,420 mm
Bogie distance.....	1,427 mm
Turning Circle Diameter.....	16,800 mm
Minimum Ground Clearance.....	330 mm

WEIGHTS

UNLOADED CHASSIS WEIGHT

Front Axle (approx).....	5,495 kg
Rear Axle (approx).....	4,505 kg
Total (approx).....	10,000 kg

Technical GCW.....200,000 kg

ENGINE DC18 03 580

Type.....	V Engine
No. of Cylinders.....	8 Cylinders
Engine Displacement.....	15.6 litres
Max. Power.....	580 hp @ 1,900 rpm
Max. Torque.....	2,700 Nm @ 1,100 – 1,300 rpm
Injection System.....	Unit PDE Injection
Emission Norms.....	Euro 3 / BS III

CLUTCH

Clutch Type.....	Single dry plate
Clutch Actuation.....	Electro hydraulic
Clutch plate Diameter.....	430 mm

GEARBOX 6RS0125R

Type.....	Range Splitter gearbox with Overdrive
Gear Shift Program.....	Scania optiscan
No. of Gears.....	14F + 2R
Crawler Gear.....	2 Numbers

RETARDER

Retarder Type.....	Hydraulic
Max. Brake Torque.....	4100 Nm
Retarder Gear Ratio.....	3.26
Operation Type.....	Manual & Automatic

SUSPENSION

FRONT

Type.....	Parabolic
No. of leaves.....	4 No's
Thickness.....	28 mm
With hydraulic shock absorbers and Anti Roll bar	

REAR

Type.....	Parabolic
No. of leaves.....	5 No's
Thickness.....	48 mm
Width.....	90 mm
With Heavy duty Anti Roll bar	

AXLES

FRONT

Forged I beam reverse Elliot semi high mounted

axle

REAR

Tandem bogie axle with Hub reduction Ratio 7.18:1

BRAKES

Dual circuit pneumatic drum brakes
Automatic slack adjusters
Anti lock braking system
Traction control system
Manual & Automatic exhaust brake control
Intelligent Air processing system

COMPRESSOR

Type.....	Twin Cylinder
Discharge capacity.....	900 L/min

TYRES & RIMS

Wheel rim.....	Steel disc type
Rim Size.....	8.5 x 20
Tyre Size.....	12.00 R 20.00
One complete spare wheel rim and tyre provided	

FUEL TANK

Type.....	Steel Fuel tank
Capacity.....	500 L (300 RHS + 200 LHS)

ELECTRICAL SYSTEM

Voltage.....	2 x 12 V
Battery Capacity.....	180 Ah
Alternator.....	100 A

STEERING SYSTEM

Hydraulic power assisted steering wheel	
Steering wheel dia.....	450 mm
Steering gear ratio.....	23.4 : 1
Pneumatically Adjustable Steering wheel Angle.....	0-52 degrees
Height.....	60 mm

CABIN CR19 N

Scania B Series Sleeper Cabin

INTERIORS

Air conditioned Cabin
V8 styling
Instrument Cluster features
• Fuel consumption display
• Engine hour indicator
• Idle hour indicator
• Scania Driver support system

EXTERIORS

Tinted Windscreen
Front & Rear drawbeam
Front & Rear tow coupling
4 point Suspension
External Sun visor
End Outline Marker lamps

PERFORMANCE DATA

(FOR GCW OF 200 TONS)**

Gradeability 1st gear***.....	12.0 %
Startability***.....	9.0 %

** When coupled with suitable hydraulic axle Trailer and subject to approval from MORTH

***Restricted by friction between tyre and road surface.



SCANIA HEAVY HAULAGE TRUCKS



Scania heavy-haulage tractors are based on components from our modular product range. This means significant savings in initial investment, gains in repair and maintenance costs and increased uptime for heavy-haulage professionals across the world. Performance can be tailored to a variety of needs.

Scania delivers efficient mechanical transmission, without torque converter, for gross train weights up to 250 tonnes. This creates a powertrain with minimum losses and excellent fuel economy even in the toughest conditions.

Power options range from 13-litre inline engine to the mighty 16.4-litre Scania V8 engine. Heavy-duty components are used throughout these trucks, from the overdrive gearbox and sturdy hub-reduction axles, to the suspension, chassis and cab mountings.



SCANIA

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