

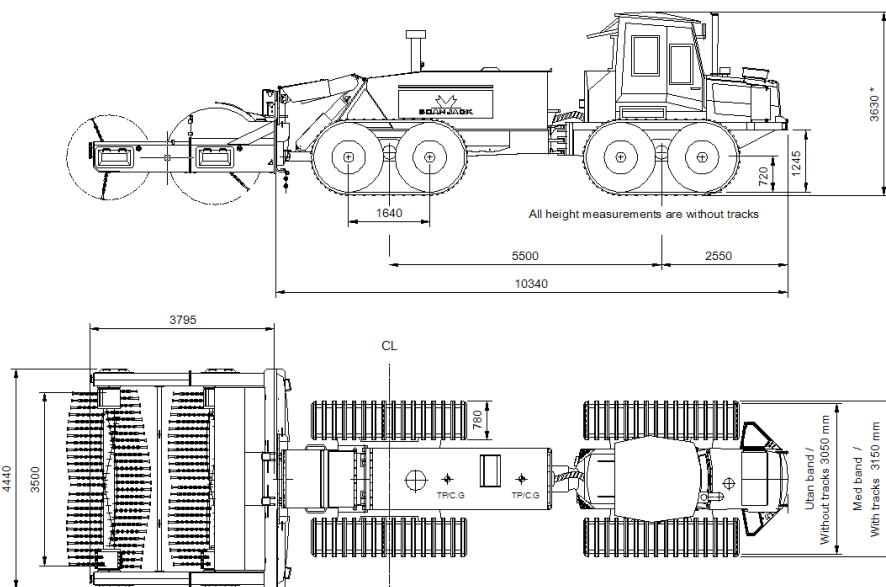
Technical Specification The SCANJACK 3500 double flail system



Scanjack 3500

Dimensions

Length:	14 135 mm
Width:	4 440 mm
Height:	3 630 mm
Weight:	36 300 kg
Weight with tracks:	39 950 kg



Scanjack AB

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Technical Specification

The SCANJACK 3500 double flail system



Base Machine

Dimensions

Length 10 340 mm
Width 3 150 mm
Height 3 630 mm
Ground clearance 720 mm
Weight 27 600 Kg

Engine

John Deere 6090 Power Tech Plus ECO III, water cooled, turbo charged 6-cylinder engine. Output 160 kW (215hp)/2100 rpm. Max torque 1090 Nm/1400rpm. Cooling system capacity: 49° C outdoor temp. Diesel Pre-heater

Transmission

Hydrostatic mechanical power transmission. Range gear with low and high range. Inching, smooth start through pedal without dropping engine revolutions. Travel speed max: 23 km/h. Max. tractive force: 200kN.

Axles

Bogie axles with portal bogie beams including patented balancing units. Similar axels at front and rear. Power transmission trough gears in bogie beams. Hydraulically operated mechanical differential locks on front and rear axle.

Steering

Articulated frame steering with two hydraulic steering cylinders. Steering angle $\pm 42^\circ$. Proportional steering with electric joystick.

Brakes

Service and working brakes are hydraulically actuated, oil immersed multiple disc brakes. Identical in both axels. Spring actuated parking and emergency brakes in front and rear bogie. Brake release pump for safe towing.

Electrical system

Voltage 24 V. Batteries 2x140Ah. Alternator 140A/24V. Working lights 10x70 W. Built-in 220V battery charger

Cabin

Safety.

Armoured for mine protection according to STANAG 4569, edition 1, annex B, level 4, and for splinter protection FSP. Seat with safety belt. Two exit ways.

General.

Spacious, light and comfortable cab giving the operator excellent vision. Efficient heating and air conditioning. Thanks to the unique cab mounting, the noise and vibration levels are low. Noise level according to ISO 5131:1993 below 72dB (A). The cabin can be raised and shifted to the side for easy service access.

Standard Equipment

2 automatic fire extinguishing systems. Travel distance gauge and constant engine revolution regulator on TMC. Run Flat Tyres
Tools according to accessory list.



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Engine Flail Unit

Scania DC16 turbocharged V8 diesel, stage II engine. Output 420 kW (571hp)/ 1800 rpm.
Normal working speed 1800 rpm
Max. torque 2300 Nm /1400 rpm.
Water cooled, Cooling system capacity: 49°C outdoor temp.



Flail Unit

2 rotating flail axels.
76 tools on each axel.
Cylinder speed max 400 rpm.
Working width 3 500 mm
Ground penetration: Depth up to 300 mm
6 times per sec. x 1900 J

Dimensions

Length 3 840 mm (1 765 mm + 2 075 mm)
Width 4 440 mm
Weight 8 690 kg (5 620 kg + 3 070 kg)

Depth control

Hydraulic pressure
Optional, Ultrasonic sensor system



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Remote control

Transmitter with ergonomic design for easy manoeuvring
Waist belt for operator to hold transmitter
External antenna for use when operator manoeuvring from protected vehicle
HBC FSE 419
Range 750 m, free sight
Frequency 433,050-434,790 MHz
Power 15mW



Remote control

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