



## Technical Data

### Dimensions

Length	6600 mm
Width	2620 mm (600 tires) 2780 mm (700 tires)
Height	3620 mm
Ground clearance	570 mm

### Weight

Depending on equipment, min 13800 kg

### Engine

Power output	123 kW/2000 rpm
Torque	694 Nm/1500 rpm
Type Cummins	6BTA5.9
Fuel tank	300 l

### Transmission

Hydrostatic-mechanical	
Two-speed gearbox	
Speed	0-25 km/h
Tractive force max	120 kN

### Steering

Articulated frame steering  
Steering angle  $\pm 40^\circ$   
Electrical proportional off-road steering

### Brakes

Service and working brakes are hydraulically actuated oil immersed multiple disc brakes. Spring actuated parking and emergency brakes.

### Axles

Front: Bogie axle with electro-hydraulic differential lock  
Rear: Single rigid axle with electro-hydraulic differential lock

### Hydraulic system

Load-sensing system	
Pump displacement	130 cm <sup>3</sup> /r
Flow	230 l/min/1800 rpm
Working pressure	240 bar
Hydraulic tank capacity	170 l

### Timberjack TMC™-system

(Total Machine Control) Controls engine, transmission and crane. Driver specific parameters for 7 operators and two factory settings.



## Electrical system

Voltage	24 V
Batteries	2 x 140 Ah
Alternator	140 A
Working lights: 30 lux in the working area of the crane	

## Tires

Front:	600x22,5 or 700x22,5
Rear:	650x26,5 or 600x30,5

## Crane

Parallel motion knuckle boom TJ 180 H 83/97	
Reach with head	8.6 or 10 m
Gross lifting torque	135 kNm
Gross slewing torque	38 kNm
Tilt angle	±15°
Slewing angle	220°

## Cab

Spacious, well-lit and comfortable cab with an ergonomic seat and low-effort mini-grip controls. Efficient heating and

## Timberjack harvester heads

Model	742	745	752
Max opening upper knives, mm	465	560	490
Max opening feed rollers, mm	460	560	500
Delimiting diameter tip to tip, mm	350	400	410
Max cutting diameter, mm	470	550	550
Weight, incl. rotator and link, kg	770	850	930
Feed force at 24 MPa gross, kN	15.4/18.4 *	16.0/20.0**	18.2/20.0/21.8***
Feed speed, m/s	0-5 m/s	0-5 m/s	0-5 m/s
Chain speed, m/s	40	41	40
Operating pressure max, MPa	24	24	24
Saw bar, cm	64	64	75
Max reach with the TJ 180 H 97 crane, m	10	10	10
Max reach with the TJ 180 H 83 crane, m	8.6	8.6	8.6

\* = with 332/398 cm<sup>3</sup> motor

\*\* = with 400/500 cm<sup>3</sup> motor

\*\*\* = with 468/514/560 cm<sup>3</sup> motor

air conditioning. Excellent visibility on all sides and up to the tree tops. Noise level meets ISO standards. Radio/cassette player. Connection for cellular phone. Light green polycarbonate windows. Safety tested according to ISO and BC standards.

## Measuring system

Timberjack 3000 measuring and control system:

- Easy to use, information is displayed on a large screen with clear graphic symbols and text
- Highly automated harvester head control including saw bar control, automatic pressure adjustment of the delimiting knives and automatic harvester head tilt-up
- Modular based CAN-bus reduces the amount of cabling needed, ensuring accuracy and reliability
- Compact and efficient design of the push buttons and joysticks, for good ergonomics
- Easy calibration of measuring length and diameter
- Printer for production reports, machine settings, log charts, etc.
- Fault finding function
- Memory card for transferring data, including production data and machine settings (PCM CIA-card)

Different levels of software programs depending on customer needs:

- Control for color marking and stump treatment
- Price and priority-based optimization
- Operation and service follow-up program
- Versatile data transfer options
- Option to use electronic calipers

The features above are available as part of various software packages. The Timberjack 3000 can include any or all of them depending on your specific needs.

## Optional equipment

- Preheater for cabin, engine and hydraulic oil tank
- Sun blinds
- Vacuum pump for hydraulics
- Chains, tracks
- Spare wheel

Note! Standard and optional equipment may vary. For details contact your local dealer.

**The 742 and 745 heads available with both 600 and 700 front tire options, the 752 head only available with 700 series front tires.**

# Timberjack

Doing more

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