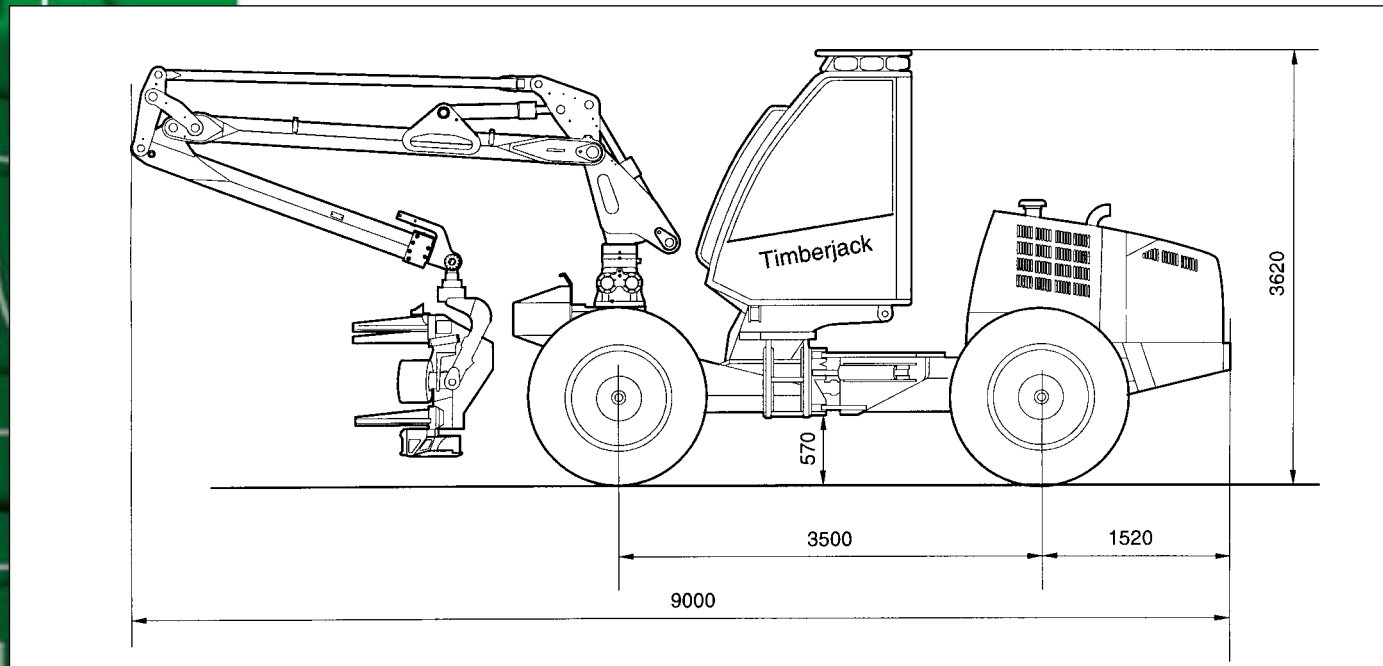


Timberjack 770 Harvester



Technical Data

Dimensions

Length	5880 mm
Width	2300 mm (600 tires)
	2400 mm (650 tires)
Height	3620 mm
Ground clearance	570 mm

Weight

Depending on equipment, min	10800 kg
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Engine

Type	Cummins 4BTA3.9 4-cylinder turbocharged, aftercooled diesel engine
Cylinder volume	3.9 liters
Power output	82 kW / 2200 rpm
Torque	445 Nm / 1500 rpm
Fuel tank	250 l

Transmission

Hydrostatic-mechanical	
Two-speed gearbox	
Speed	0-25 km/h
Tractive force	100 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 and rear: Single rigid axle with electro-hydraulic differential lock

Hydraulic system

Load-sensing	
Flow	216 l/min 1800 rpm
Working pressure	24 MPa
Hydraulic tank	170 l



Electrical system

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

Tires

Front:	650x26.5 or 600x30.5
Rear:	650x26.5 or 600x30.5

Boom

Parallel motion knuckle boom TJ 140 H	
Reach 7.9 m with the 742 head, 9.2 m with the 732C head	
Gross lifting torque	95 kNm
Gross slewing torque	24 kNm
Tilt angle	±15°
Slewing angle	220°

Timberjack harvester head

Model	742	732C
Max opening upper knives, mm	465	375
Max opening feed rollers, mm	460	350
Delimiting diameter tip to tip, mm	350	250
Max cutting diameter, mm	470	400
Weight, incl. rotator and link, kg	800	540
Feed force at 24 MPa gross, kN	15.4/18.4 ¹⁾	11.9/15.0 ²⁾
Feed speed, m/s	0-4.5	0-4.5
Chain speed, m/s	40	40
Pump capacity, l/min (recom.)	160	160
Operating pressure max, MPa	25	25
Saw bar, cm	59	54
Max reach with the TJ 140 H 76/89 boom, m	7.9	9.2

1) with 332/398 cm³ motor

2) with 250/315 cm³ motor

Cab

Spacious, well-lit and comfortable cab with an ergonomic seat and low-effort mini-grip controls. Efficient heating and air conditioning. Excellent visibility on all sides and up to the tree tops. Noise level meets ISO standards. Radio/cassette/CD-player. Connection for cellular phone. Light green polycarbonate windows. Safety tested according to ISO standards and BC-standards.

Measuring system

Timbermatic 300, PC/Windows® based measuring and control system integrates harvester head measuring and control system with TMC base machine control system

- Modular based CAN-bus reduces the amount cabling needed, ensuring accuracy and reliability
- Easy to use, information is displayed on large color display with clear and user friendly icons and two-level menus, keyboard with integrated mouse
- Highly automated harvester head control software, including e.g. automatic controls for sawing, harvester head tilt-up, pressure adjustments of the delimiting knives and feed rollers, stem feed, color marking and stump treatment
- Compact and efficient design of the push buttons, joysticks and keyboard for excellent ergonomics

- Easy calibration of length and diameter measuring system
- Full tree prediction, price and/or distribution and/or limitations –based optimization, unlimited number of sites
- A4 color printer for printing production reports, work and repair statistics, production instructions, calibration history, stem data, log table, machine parameters
- User friendly interface help and trouble shooting
- CD-ROM, floppy disc and USB port for data transfer
- E-mail software installed
- SilviA program
- Software for optional electronic caliper
- Easy to install and update softwares
- TJ 3000 and separate TMC-system available as option

Optional equipment

- Preheater for cabin, engine and hydraulic oil tank
- Sun blinds
- Vacuum pump for hydraulics
- Chains
- Spare wheel
- Electronic calipers
- Stump treatment device

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

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