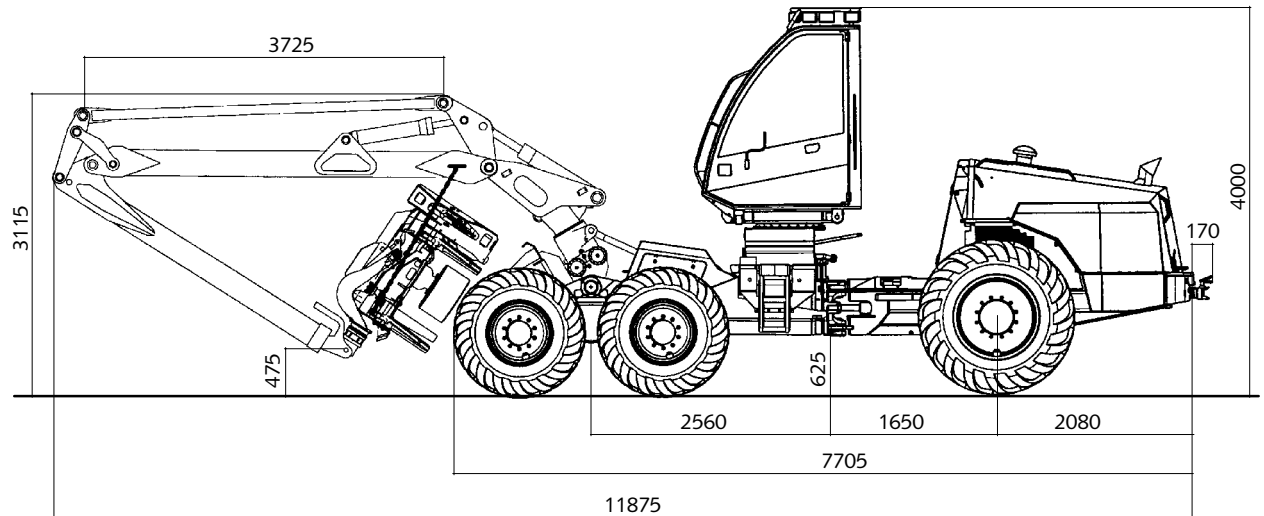


Timberjack 1470 Harvester



Technical Data

Dimensions

Length	7705 mm
Width	2990 mm (700 tires)
Height	4000 mm
Transportation height	3800 mm
Ground clearance	625 mm

Weight

Depending on equipment, min	17700 kg
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Engine

Type Cummins 6CTA8.3 6-cylinder turbocharged, aftercooled diesel engine	
Cylinder volume	8.3 liters
Power output	183 kW / 2100 rpm
Torque	990 Nm / 1300-1500 rpm
Fuel tank	465 l

Transmission

Hydrostatic-mechanical	
Two-speed gearbox	
Speed	0-25 km/h
Tractive force	170 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	190 cm ³ /r
Flow	280 l / 1500 rpm
Working pressure	24 MPa
Control system	TMC™
Hydraulic oil system capacity	~190 l

Electrical system

Voltage	24 V
Batteries	2 x 140 Ah
Alternator	140 A
Working lights: 14 twin power and 4 single lamps on the boom	
30 lux in the working area of the boom	



Tires

Front: 700x26.5
Rear: 700x34

Boom

Parallel motion knuckle boom
TJ 210 H 90 or 97
Reach with head 9.3 or 10 m
Gross lifting torque 178 kNm
Gross slewing torque 43.6 kNm
Tilt angle -15° +30°
Slewing angle 195°

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. Light green polycarbonate windows. Safety tested according to ISO standards.

Timberjack harvester head

Model	758	762C
Max opening upper knives, mm	680	550
Max opening feed rollers, mm	700	606
Delimiting diameter, tip to tip, mm	480	430
Max cutting diameter, mm	650	650
Weight, incl. rotator and link, kg	1080-1150	1270-1350
Feed force at 24 MPa gross, kN	22.0/27.0 ¹⁾	23.4/25.7/28.0 ²⁾
Feed speed, m/s	0-4.7	0-4.5
Chain speed, m/s	40	40
Operating pressure max, MPa	25	25
Saw bar, cm	75	75/80
Max reach with the TJ 210 H boom, m	10	9.3

1) with 630/800 cm³ motor
2) with 780/857/934 cm³ motor

Timberjack cab-leveling system

The tilting cab is mounted on a leveling platform on the front frame that provides for three degrees of freedom. Tilting sideways 15°, forward 15°, backward 18°. Rotation +/- 90°

Tilting functions are independent, and can be controlled individually or in combination. The leveling and rotation can be actuated automatically or manually.

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, tracks
- Spare wheel
- Electronic calipers
- Stump treatment device

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