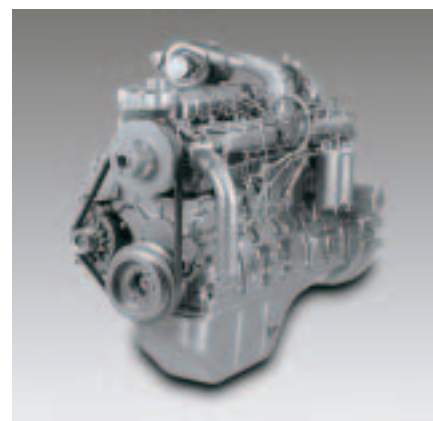




Valmet ***901.2***







Valmet 901.2

The thinning professional with higher performance

The best thinning harvester has become even better. Longer crane, two light-weight harvester heads, a six-cylinder engine under the bonnet and six wheels as an option; these are only a few of the new features.

The Valmet 901.2 is essentially a new machine – but it has retained all the positive qualities of its predecessor.

There are lots of good things to be said about the 901. Productive and reliable like few others, the red thinning harvester ensures profitability even on sites of doubtful viability.

The 901 is acknowledged as being fast, manoeuvrable and stable. Stability is excellent thanks to pivot axle locking and automatic levelling, which always transfer the centre of gravity to the right position. Then there is the concept of the full-circle slewing cab and side-mounted crane, which gives a large working range and a good view.

We could go on. The 901 has become a familiar concept in thinning stands, synonymous with profitability. And now we are broadening the concept – development of the thinning king has taken a further leap forward.

Six cylinders with mighty torque

The new Valmet 901.2 now has a six-cylinder, turbocharged diesel engine specially

developed for use in forestry machines. It is a six-cylinder unit without compromises – no other forestry machine engine can produce such an optimized torque curve. The new engine matches the powerful hydraulics perfectly.

The power curve is optimized for the lowest fuel consumption at normal operating speeds. This gives very good operating economy. And high operating reliability – so that wear is minimized.

New, longer crane: CRH 14

Mounted on the Valmet 901.2 is the new, parallel-guided CRH 14 knuckle boom crane that is available in two versions: 10 and 11 metres. The longer version has a double extension based on a new principle with only a single cylinder and no parallel chains.

The crane is easy to operate over its entire working range – rapid extension from, and powerful retraction to the machine. The lifting power has been increased compared with its predecessor, the CRH 12. A long, powerful crane in harmony with its machine. The effect can be felt in the action and in your wallet.

Reach 11 metres with the Valmet 330

Fit the new, lightweight Valmet 330 harvester head at the tip of the crane, and you can use its full reach of 11 metres. The Valmet 330 weighs only 680 kg, has four limbing

knives and a felling diameter of 50 cm. The design is ingenious but simple. With few moving parts, the harvester head is reliable and particularly service-friendly.

With the rather heavier Valmet 945.1, the reach is 10 metres. The harvester head is reinforced at vital points and is equipped with new technical solutions, which together have increased the availability and reduced the maintenance costs. A new measuring wheel unit gives very high precision in length measurement.

Six or four wheels, the choice is yours

You can specify the 901 with a bogie and six wheels, which naturally reduces ground pressure and increases stability.

The new geared bogie is perfectly balanced and gives a highly responsive action. Regardless of the number of wheels, the Valmet 901.2 winds its way with equal manoeuvrability along the strip road.

More positive new features

Other new features in the Valmet 901.2 are increased capacity of the air conditioning system and an environmental filter for a healthy cab climate.

The MaxiHarvester control system has been improved in a number of points, including a new 12-inch colour screen and new menus together with an even more powerful on-board PC.

Valmet 901.2 / Technical data

Weights and dimensions

Approx. weight
4WD/6WD ... 14 080/14 850 kg (31040/32738 lb)
Minimum width 2 650 mm (104 in)
Optimal transport height 3 950 mm (156 in)

Engine

Valmet 620 DWRE, 6 cylinder turbo-diesel engine.
124 kW DIN (169 hp) at 2 200 r/min.
670 Nm at 1 400 r/min (369 lb ft at 1 400 rpm).

Transmission

Hydrostatic transmission controlled by MaxiHarvester.
Pulling power 108 kN (11 000 kp) (24,250 lbs)

Wheels and axles

Pivoting rear axle with hub reduction gear. Pivot angle $\pm 17^\circ$. Rigid front axle with hub reduction gear.
Wheel equipment 4WD fram/bak 600/65x34
6WD fram 700/55x22,5
..... 600/50x22,5
bak Nokia 650/65x26,5
Trelleborg 620/55x30,5

Braking system

Dual-circuit with fully hydraulic brakes of the multi-disk type, acting on all wheels.

Hydraulic system

Load-sensing system with variable piston pump.
Flow 0-221 l/min (56.0 gpm) at 1 700 rpm
Max. working pressure 230 Bar (23 MPa) (3,336 psi)

Cab

Cab and crane mounted on a slew ring which is tiltable in all directions. The cab is safety-approved. AC, combined heating and cooling system. Filtered supply air via an allergy filter.

Crane

Parallel-action knuckle boom crane with telescope: Cranab CRH14.
Reach (including harvester head)
Cranab CRH14 (knuckle boom) (945.1) 10 m (32.8 ft)
Cranab CRH14DT (330) 11 m (36.0 ft)

Harvester head

Valmet harvester harvester head 330
Weight compl. with rotator and anti-skid device 680 kg (1500 lb)
Opening between feed rollers .. 530 mm (20,86 in)
Opening upper limbing knives 475 mm (18,7 in)
Cutting diameter 540 mm (21,25 in)
Feeding power, gross 12 kN (2698 lbf)

Valmet harvester harvester head 945.1
Weight compl. with rotator and anti-skid device 875 kg (1929 lb)
Opening between feed rollers 460 mm (18,1 in)
Opening upper limbing knives 480 mm (18,9 in)
Cutting diameter 640 mm (25,2 in)
Feeding power, gross (engine 400 cc) 15,8 kN (35,52 lbf)
Feeding power, gross (engine 500 cc) 19,8 kN (4451 lbf)

Measurement, control and information system

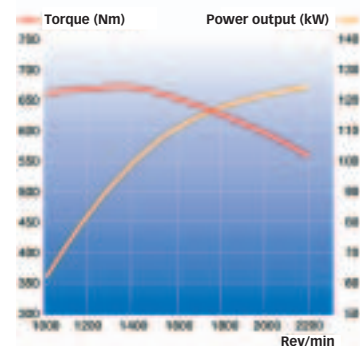
MaxiHarvester is a computerized control system in which all the functions of the machine are controlled with the help of a user-friendly computer. The system includes high-quality marking for cross-cutting with functions for the simple handling of input and output data, follow-up and print-outs and is prepared for external communication.

Extra equipment

Standard and extra equipment is adapted to the market and varies from country to country. Your dealer has an up-to-date list of what is included.

Note

Technical data/dimensions may vary depending on the alternative equipment. We reserve the right to alter specifications or designs without prior notice. Photographs, diagrams and drawings do not always show a standard version of the (unit). The machine driver must at all times conform to national legislation and regulations.



Highlights

Six-cylinder, fuel-efficient engine. Lowest fuel consumption at normal operating speeds. Very high torque. Reliable and silent-running.

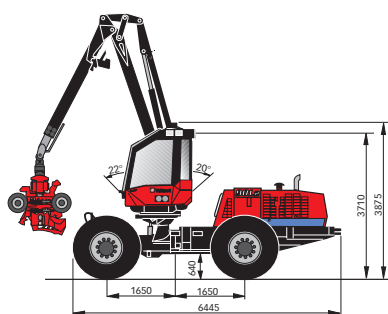
Choose between six and four wheels. Specify a balanced geared bogie. Replaceable steel wear plates on the under side.

Safety-approved comfort cab with tilting in all directions and automatic self-levelling. Spacious and quiet. Good view. Increased AC/ACC capacity.

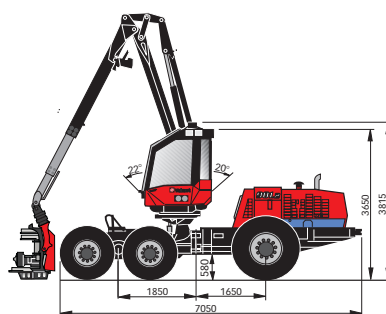
New, powerful on-board PC.

CRH 14 – a new, powerful parallel crane with a longer reach. Available with double-telescoping outer boom to give a reach of 11 metres. The crane is also available in a 10-metre version.

Valmet 330 – a new, light-weight single-grip harvester head lets you use the reach of the crane to its full extent. Alternative harvester head: Valmet 945.1 with upgrades including a new measuring wheel unit for high precision length measurement.



New, dual-circuit braking system.



MaxiHarvester controls and optimizes all functions. User-friendly computer, clear display. Settings for high-quality cross-cutting.

Outstanding stability in all directions thanks to pivot axle locking and evelling.

Full-circle slewing crane and cab gives a large working range and a good view.



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