

H414

HARVESTER HEAD



The Waratah H414 is specially designed for mid-sized wheeled and tracked machines, and features an excellent power-to-weight ratio and compact size — making it highly maneuverable even in dense thinning stands as well as in early regeneration.

Characterized by its powerful and slip-free four-wheel-drive feed with four hydraulic feed motors, the H414's proven EV02 valve provides efficient hydraulic oil flow and head control. Its mainframe is machined after being welded as one piece, giving it high durability and dimensional accuracy. New feed roller arms feature more durable bearings, built-in feed roller guards, strengthened cylinders and pins, and well-protected hose routings.

Four moving delimiting knives, along with one fixed top knife and one fixed back knife, follow the contours of the stem. The redesigned knife geometry and long cutting edges ensure excellent delimiting quality for all stem diameters.

The highly efficient SuperCut 100 saw unit has a maximum felling diameter of 620 mm (24.4 in.), giving the H414 superb performance from early thinnings up to early regeneration felling.

The automatic chain lubrication and tensioning of the SuperCut saw unit improves the H414's cutting performance and reduces maintenance time.

 **waratah**
BUILT TO WORK

H414

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TECHNICAL DATA

| | | | |
|--|--|----------------------|-------------|
| Dimensions: | Width arms open | 1520 mm | 5.0 ft. |
| | Width arms closed | 1305 mm | 4.3 ft. |
| | Height without rotator and link | 1400 mm | 4.6 ft. |
| Weight: | Without rotator and link | 1030 kg | 2,270 lb. |
| Felling/Cutting: | Maximum diameter saw cut | 620 mm | 24.4 in. |
| | Saw bar | 750 mm | 29.5 in. |
| | Bar type | 10 mm | .404 in. |
| | Chain speed (m/s, ft./s) | 40 m/s | 131 ft./s |
| Feeding: | 4WD with hydraulically driven steel feed rollers | | |
| | Feed force gross | | |
| | With 620/400-cc motors | 27 kN | 6,070 lbf |
| | Speed | 4.5–6.0 m/s | 15–20 ft./s |
| Delimiting: | Maximum feed roller opening | 640 mm | 25.2 in. |
| | Delimiting knives | 4 moving and 2 fixed | |
| | Delimiting diameter tip to tip | 430 mm | 17.0 in. |
| | Maximum opening upper knives | 610 mm | 24.0 in. |
| Hydraulic Requirements: | Maximum opening lower knives | 660 mm | 26.0 in. |
| | Maximum operating pressure | 28 MPa | 4,061 psi. |
| | Recommended pump capacity | 200–340 l/min. | 53–90 gpm |
| Control and Measuring System, Adaptation: (assuming the base machine already has a control and measuring system) | Timbermatic 300, H09 | | |
| | TimberRite, Motomit IT/PC, Dasa 4 | | |
| Control and Measuring System, New Delivery: (systems that can be ordered with the head) | TimberRite | | |

OPTIONAL EQUIPMENT

- Color marking system
- Stump treatment
- Steel-spiked, ribbed, or V-type rollers
- Multi-tree handling
- Mense and Moipu rollers
- Rotator valve
- Alternative chain lubrication
- Rotator and link

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