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 delimbing 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 delimbing 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.

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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*
	Maximum feed roller opening	640 mm	*25.2 in.*
Delimbing:	Delimbing knives	4 moving and 2 fixed	
	Delimbing diameter tip to tip	430 mm	*17.0 in.*
	Maximum opening upper knives	610 mm	*24.0 in.*
	Maximum opening lower knives	660 mm	*26.0 in.*
Hydraulic Requirements:	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

We reserve the right to amend these specifications at any time without notice. The only warranty provided by Waratah Forestry Attachments is its written Limited Warranty, which accompanies and applies to each product sold by Waratah Forestry Attachments. Waratah disclaims responsibility for liability for any economic loss or personal injury that may occur as a result of any changes to a Waratah product that has not been approved by Waratah as a result of the non-approved inclusion on any Waratah product or any equipment not to Waratah's design or manufacture. Not all products are available in all markets. The manufacturer reserves the right to make changes or add improvements at any time without incurring any obligation to make such changes on machines manufactured previously.

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