H480C

HARVESTER HEAD

The Waratah H480C harvesting head combines large timber cutting-power with an excellent delimbing quality throughout its diameter range.

Optimized feed force and speed are a result of new feed motor options. 400/630 cc motors provide high performance in early to late thinnings. 500/800[780] cc motors are the preferred choice in late thinnings and regeneration fellings. The H480C gives an unprecedented excellent tree processing performance, especially in large timber. New feed roller arm geometry ensures that feed rollers have solid grip and reliably carry trunks in all diameter ranges. Operators also appreciate the continuous powerful four-wheel feed for efficient feeding with low friction.

New manufacturing processes have led to even more durable frame structures. New tilt frame rubber stoppers protect structures and prolong the frame lifetime. New feed roller arms feature more durable bearings, strengthened cylinders and pins, and well-protected hose routings. Four moving delimbing knives, one fixed top knife, and one fixed bottom knife follow the contours of the stem. Knife geometry and long cutting edges of the H480C ensure an excellent delimbing quality for all stem diameters.

The proven EVO2 valve provides efficient hydraulic oil flow and head control, and leads to fuel efficiency of the base machine. The SuperCut 100 saw unit has a maximum felling diameter of 710 mm, and can be factory equipped with either Parker or Bucher saw motor options. The saw units' automatic chain tensioning prolong saw bar and chain lifetime, and the integrated chain lubrication ensures economical oil consumption. Daily maintenance has been further simplified, e.g. improved service of the optional color marking system saves time and costs.

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BUILT TO WORK

H480C HARVESTER HEAD

TECHNICAL DATA

Dimensions:	Width arms open	1880 mm	*6.2 ft.*
	Width arms closed	1200 mm	*4.0 ft.*
	Height without rotator and link	1350 mm	*4.4 ft.*
Weight:	Without rotator and link	1240 kg	*2,734 lb.*
Felling/Cutting:	Maximum diameter saw cut	710 mm	*28.0 in.*
	Saw bar	825 mm	*32.5 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 400/630 cc motors (4xDanfoss)	27 kN	*6,070 lbf*
	With 500/800 cc motors (4xDanfoss)	30 kN	*6,789 lbf*
	With 400/630 cc motors (2xDanfoss/2xPoclain)	27 kN	*6,070 lbf*
	With 500/780 cc motors (2xDanfoss/2xPoclain)	30 kN	*6,789 lbf*
	Speed	4.2–5.3 m/s	*14–17 ft./s*
	Maximum feed roller opening	680 mm	*26.8 in.*
Delimbing:	Delimbing knives	4 moving and 2 fixed	
	Delimbing diameter tip to tip	460 mm	*18.1 in.*
	Maximum opening upper knives	680 mm	*26.8 in.*
	Maximum opening lower knives	710 mm	*28.9 in.*
Hydraulic Requirements:	Maximum operating pressure	28 MPa	*4,061 psi*
	Recommended pump capacity	290-340 l/min.	*77-90 gpm*
Control and Measuring System, Adaptation: (assuming the base machine already has a control and measuring system)	Timbermatic H09, 300 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, 2 colors:
  – Knife nozzles or Supermark
- Stump treatment system:
  – Saw bar or Nozzles in saw box
- Feed rollers: Moipu, Mense, MTH, V-type MTH, Steel thumbnail, Steel V-profile, Eucalyptus debarking
- Rotator and link
- Rotator valve
- Top knife: fixed wide shape, fixed wave shape, hydraulically activated, Butterfly-knives
- Various types of length measuring wheels
- MTH equipment
- Saw motor: Parker, Bucher
- Chain and saw bar kits
- Tool kits

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