



PONSSE

OPTIMISED PRODUCTIVITY

PONSSE H10

THE PONSSE H10 PROCESSING HEAD offers PONSSE quality and productivity to a new size class. The PONSSE H10 is designed and built for heavy-duty processing work in tough conditions. Robust structure, strong grip and powerful feeding guarantee high efficiency and reliability. With a flexible and widely adjustable Opti system, you are always in full control of you operations. PONSSE H10 harvester head is designed to keep you productive through the years.



- For track based machines over 25 tons
- Robust and powerful head for felling and the processing of very big trees
- Heavy-duty structure for tough work
- Easy settings, exact measuring and bucking with PONSSE Opti control system
- Available with or without Top Saw
- 360° continuous rotation, rear delimiting knife and find-end sensor options available
- H10 is easy to install on various brands of carriers

PONSSE H10 is a heavy-duty harvester head for processing hardwood and softwood in difficult conditions. It can also be used for felling. Strong grip, powerful feeding and fast sawing are packed in a robust and reliable package that can be fitted into various tracked carriers. Strong frame and tilt arm provides the durability needed in tough operations. The geometry of the feed rollers and delimiting arms support larger stems centered in the head. This allows using lower pressure on knives, improving fuel economy and feeding speed as well as measuring accuracy. Optimal tilt pivot geometry minimizes the upward torque of the head, providing smoother feeding and a better grip of the tree.

PONSSE Opti control system is designed specifically for PONSSE harvester heads. All adjustments and settings work perfectly together with the head, offering easy but versatile functions to perfectly fit the base machine and work requirements. PONSSE systems offer mobile follow-up of production and working with either manual or automatic data transfer.

• Strong and reliable structure

- Well protected hydraulic hoses
- Strong tilt power
- All PONSSE Harvester Heads are factory tested

• Advanced Opti system

- Accurate length and diameter measuring
- Adaptive automatic cutting window is operator friendly
- Adjustable damping on all movements for longer lifetime of components.
- Possibility for proportional manual control
- Useful and easy-to-use reporting program
- Possibility to use GPS positioning, wireless data transfer and different kinds of Windows-compatible software
- Good support from the manufacturer in all situations

• Fast and strong processing

- Accurate feeding to length
- Fast and powerful feeding with low friction structure and protected feed rollers
- Great grip due to optimal geometry with stem centering
- Fast sawing
- Extremely good delimiting

The PONSSE H10 is available also with a top saw for processing curvy trees with multiple branches and maximize raw material use. Processing delimiting knives are longer than standard knives for picking up logs more easily from a pile.

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MEASUREMENTS

Weight	from 2 600 kg (5,732 lbs) excl. rotator
Length	2 120 mm (83.5 in)
Width (max)	2 080 mm (82 in)
Height without rotator, processing position:	2 360 mm (93 in)

FEEDING UNIT

Feed system	3 rollers
Feed force (max)	43 kN (9 667 lbf)
Feed speed (max)	5.3 m/s at 340 l/min (17 ft/s at 90 gpm)
Opening of feed rollers (max)	895 mm (35.2 in)
Feed motors	1 250/630 cc or 940/500 cc

DELIMBING UNIT

Number of knives	1 floating, 1 fixed, 2 or 3 moving knives
Opening of front knives (max)	900 mm (35.4 in)
Opening of rear knives (max)	930 mm (36.6 in)
Delimiting knives and feeding rollers are separately controlled.	

OPTIONAL EQUIPMENT:

Plenty of optional equipment is available in addition to the comprehensive PONSSE H10 standard equipment. Consult your nearest Ponsse Service Center or dealer for more information on the standard and optional equipment.

SAW UNIT

Hydraulic chainsaw	
Saw bar length	1 100 mm (45 in)
Cutting diameter	950 mm (37.5 in)
Chain speed	30-35 m/s (98 -115 ft/s)
Chain	3/4"

TOP SAW

Top saw bar	750 mm (29.5 in)
Top saw cutting diameter	550 mm (21.7 in)
Top saw chain	0.404"

CARRIER REQUIREMENTS

Engine power (min)	175 hp (130–140 kW)
Operating pressure (max)	31 MPa (4,496 psi)
Recommended flow	320–340 l/min (85-90 gpm)

TRACKED CARRIER

Operating pressure	31 MPa
Carrier weight (min)	25 tons

The manufacturer reserves the right to make technical changes and improvements.
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