



PONSSE



H7

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EFFICIENT FELLING

The versatile PONSSE H7 harvester head is well suited for subsequent thinning and regeneration felling. The excellent roller assembly geometry offers large trunk load-bearing capacity, and the smooth grip adjustment of the delimiting knives and feed rollers, as well as the locking connection of the non-slip grip feed motors make the H7 an unbeatably powerful harvester head.



The PONSSE H7 harvester head represents state-of-the-art technology in harvester heads that are characterised by effectiveness, reliability and easy control and service operations. The reliable grip of the H7 harvester head on trunks is mainly based on roller traction. The grip pressure of delimiting knives and feed rollers is adjusted easily according to the size of the trunk, which guarantees minimal friction between the trunk and harvester head during feeding. This allows unrivalled efficiency and profitability in different conditions.

The PONSSE H7 harvester head is remarkably agile. This is due to the control functions of its front and rear delimiting knives and feed rollers. The controlled feed acceleration and deceleration reduce feed damage and pressure peaks that increase efficiency. The proportional manual feed speed can be activated using the rocker control button on the handle, which makes it easier to handle trees even in extremely demanding conditions.

EFFECTIVE AND EASY TO USE

The automatic control of the PONSSE H7 harvester head ensures that the cutting is precise and the wood is always fed at maximal speed to the desired length. This considerably speeds up the harvesting operation. It also ensures excellent sawing efficiency. The easy-

to-use automatic features control the saw motion according to the tree diameter, and guarantee fast cutting. While it increases sawing efficiency, it also increases the service life of the saw blade and the chain. Saw control calibration is achieved simply by the push of a button. The tilt force and speed are based on its superb geometry. The motion is exceptionally smooth and soft, reducing the amount of strain directed to the harvester head. The proportional tilt function also allows you to lock or float the tilt when feeding, even when sawing.

Due to its amazing feed force and speed, the PONSSE H7 harvester head is superbly effective for both softwood and hardwood. Its short and durable structure, large feed rollers, excellent delimiting capacity, and the low grip friction of the knives are features that guarantee high productivity also in difficult conditions.

MULTI-STEMMING WITH PROGRAM LOGIC

The H7 harvester head is also well suited for multi-stemming by means of program logic. It makes the harvester head to handle several trunks at a time. Multi-stemming is performed with the control function of delimiting knives and feed rollers: when the machine grabs a new trunk, the rollers hold the trunk in place in the harvester head while the

knives grab a new tree. After this, the rollers automatically open and close, and the new trunk is cut. The operator can control all collecting features by the push of a button. Finally, the bundle is bunched as whole trees or it is delimiting by feeding the bundle through the harvester head.

TECHNICAL SPECIFICATIONS

MEASUREMENTS

Weight: (incl. rotator and hanger)	from 1200 kg (2646 lbs)
Length:	1500 mm (59 in)
Height without rotator:	1 680 mm (66 in)
Width:	1540 mm (61 in)
Power consumption:	130–140 kW
Operating pressure:	28 MPa (4060 psi)
Oil flow requirement:	300 l/min (66 gal/min)

SAW UNIT

Hydraulic chainsaw	
Saw bar length:	750/820 mm (30/32 in)
Cutting diameter:	640/720 mm (25/28 in)
Chain speed:	40 m/s (131 ft/s)
Chain:	0.404" / 3/4"

FEEDING UNIT

Feed system:	3 rollers
Largest opening (feed rollers):	650 mm (26 in)
Feed power:	30 kW
Feed speed:	0–5,0 m/s (0–16,4 ft/s)

DELIMITING UNIT

One stationary and four movable knives	
Separately controlled delimiting knives and feed rollers	
Proportional adjustment of rollers and knives	