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**PONSSE**

Dedicated to Excellence

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ENGLISH

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**BEAR**  
HARVESTER



# HARVESTER FOR BIG CHALLENGES

## BEST of its breed

**PONSSE BEAR IS AN EXTREMELY POWERFUL AND PRODUCTIVE HARVESTER EQUIPPED FOR TOUGH CHALLENGES OF PROCESSING LARGE WOOD OR DEALING WITH REGENERATION HARVESTING.**

The PONSSE Bear harvester offers extreme performance for heavy weight timber harvesting. Its key strengths include unparalleled motor and hydraulics efficiency, Ponsse's most powerful crane ever and the durable PONSSE H8 har-

vester head providing unequalled performance.

Thanks to its usability and reliability, the new PONSSE Bear exceeds all the special demands that accompany a first-class harvester. The product development is based on Ponsse's extensive experience and close co-operation with customers and other industry experts. Once again PONSSE has taken the basic strengths of its forest ma-

chines to a new level – and built a new cut-to-length harvester that provides superior productivity with unmatched component efficiency.

### **READY FOR DEMANDING CONDITIONS**

The new PONSSE Bear harvester performs best in stands with larger diameter trees. Its well designed features enable quick, precise and safe han-

dling of sizeable trees in demanding terrains and conditions. The exceptionally powerful crane uses two slewing motors, which results in an enormous 50 kNm (36,882 lb-ft) of swing torque. The powerful crane, the exceptional swing torque, and the 20-degree tilt of the crane table provide unforeseen timber handling on sloping terrains.

PONSSE H8 harvester head has been designed specifically for efficient handling of large challenging stems. The superb feed roller geometrics and the state-of-the-art hydraulics guarantee a tight grip on the tree. Thanks to its unbelievable feeding power, delimiting capacity and refined sawing features, the harvester head can handle larger stems at a

speed we have come to expect only with smaller trunks.

The crane and the cabin are located in different parts of the frame, which improves the vision and reduces vibrations on the driver. Great visibility and a comfortable and functional working environment increase efficiency, productivity and reduce operator fatigue.





# PONSSE BEAR'S SUPERIORITY



- PONSSE H8 technical specifications:**
- Maximum opening: 740 mm (29 in)
  - Power: 45 kW (60 hp)
  - Cutting diameter: 640 / 720 mm (25 / 28 in)
  - Feed system: 3 rollers
  - Feed force: 36 kN (8 094 lbf)
  - Feed speed: 0-5 m/s (0-17 ft/s)

## STRENGTH

The PONSSE Bear harvester achieves better engine and hydraulic efficiency with lower RPM use than its competitors. This means, among other things, reduced fuel consumption, less operating noise and better performance in handling larger trees.

## FRAME STRUCTURE

The optimised balance reduces vibration and ensures a solid and steady feel to the controls. This improves productivity, especially in demanding

conditions, such as difficult terrains with big trees.

## HYDRAULICS

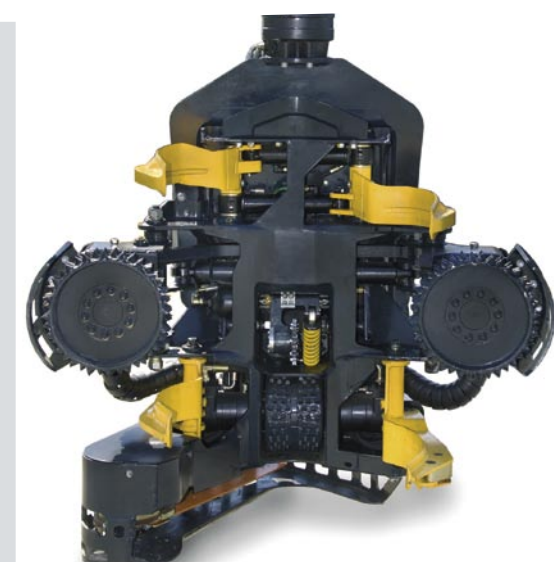
The efficient hydraulics enable quick and simultaneous harvester head and crane movements, which allow for accelerated handling of small and medium-sized stems. The feed power for large stems is also exceptional when the crane is moving, which makes delimiting even more efficient.

## CABIN

The most comfortable cabin on the market keeps the operator alert and productive at all times, even during long shifts. The cabin comfort is a result of many factors, such as sufficient space, extremely low vibration and noise level, excellent vision, and ergonomic and logical location of controls.

## SUPERIOR AND POWERFUL FEED AND FAST DELIMITING

The PONSSE H8 harvester head has tremendous feed force and with its considerable capacity it is specifically designed to handle large-sized trees. The feed roller opening is 40 to 740 mm (1.57 to 29 in) and with its unique grip geometry makes the handling of large stems easy. The firm grip on trunks, high feed power and good knife geometry enable precise and powerful delimiting.







# TECHNICAL SPECIFICATIONS

## DIMENSIONS

Length	8,800 mm / 346 in (12,630 mm / 497 in with the crane)
Width (with 710 tires):	2990 mm (117.7 in)
Transport height (max):	3860 mm (152 in)
Ground clearance:	615 mm (24.2 in)
Net weight:	23 500 kg (51 809 lb) (from)

## ENGINE

Model:	MB OM926LA
Power:	240 kW (322 hp)
Torque:	1300 Nm (1200–1500 rpm)
Tractive force	200 kN (44,962 lbf)
Fuel tank	400 l (105.67 US gal)

## TIRES

Front:	700/70 - 34"
Rear:	750/55 - 26,5"

## HYDRAULIC SYSTEM

Load-sensing system controlled by the PONSSE OptiControl system. Separate filtering and cooling circuit.

Harvester head pump	190 cm <sup>3</sup> / 280 bar (11.6 cu in / 4061 PSI)
Crane pump	190 cm <sup>3</sup> / 235 bar (11.6 cu in / 3408 PSI)
Hydraulic oil tank	350 l (92.46 US gal)

## CABIN

Tiltable and air-conditioned cabin that complies with all the required safety standards. Gauge-free technology Bege 9000 SE seat with headrest

## CRANE

Model:	PONSSE C55
Reach:	11 m (36 ft)
Gross Lifting Torque:	255 kNm (188 lb-ft)
Gross Swing Torque:	50 kNm (36,882 lb-ft)
Turning angle:	280°
Base tilt angle:	±20°

## HARVESTER HEAD

Model:	PONSSE H8
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## STANDARD EQUIPMENT

PONSSE OptiControl system
PONSSE Opti4G measuring device
Radio/MP3 player
Vacuum pump
Extra heater
Air conditioning
Hydraulic steps
Dry powder extinguisher
PONSSE 2000 handles

## OPTIONAL EQUIPMENT

Plenty of optional equipment available in addition to the comprehensive PONSSE Bear standard equipment. Consult your nearest retailer for more information.

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



## OPTICONTROL™ – the operator's intelligent companion

At the heart of every PONSSE forest machine lies the PONSSE OptiControl system. This system is based on Ponsse's own, reliable and user-friendly technology. The system integrates the crane, the drive transmission, and the motor's control functions into one easily manageable entity. All measurements, controls and monitoring features for various functions can be seen on one display, which makes the operator's work

easier and more efficient.

The OptiControl system controls modern diesel technology that combines economy, reliability and environmentally friendly operation. It monitors the machine's functions at all times, and adjusts the engine power precisely for the current load. By doing so, the system provides the needed power and performance for the current task and reduces operating costs significantly.

