

PONSSE



RELIABLE
EFFICIENCY



PONSSE ELEPHANT

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PRODUCTIVITY IN CHALLENGING CONDITIONS



The PONSSE Elephant forwarder carries loads with unprecedented speed and transport efficiency. The torque and tractive force of this powerhouse with an 18-tonne carrying capacity have been designed for extremely demanding purposes and conditions. The machine's superior performance becomes particularly evident on steep slopes and in thick snow, and when the forwarding distances are long.

PONSSE Elephant's frame structure is very rigid, and components and service points have been positioned considering the ease of serviceability. Extremely long service intervals increase effective operating hours and reduce maintenance costs.

Its excellent movement, 6.25 m² cargo space, efficient drive transmission and powerful crane ensure that loads will be transported to the roadside quickly and securely – regardless of the logging site location.

The Mercedes-Benz/MTU engine offers high torque and excellent fuel economy, while the upgraded transmission offers practical tractive force and more accurate



handling. The superior hydraulic power of the PONSSE Elephant forwarder also makes loader operation extremely fast and smooth.

The durable, heavy-duty structure of the PONSSE Elephant forwarder is based on very hard materials, such as stronger steel structures combined with larger more robust pins, for example, in the crane and slewing cylinders. The frame oscillation lock with cylinders ensures a 100% grip and makes its connection and disconnection stepless and smooth. The cast frame joint equipped with a large and sturdy bearing and the well-

protected slewing cylinders ensure a wide steering angle, superb power in turns and a durable structure. The PONSSE Elephant is designed to last.

PONSSE MANAGER

PONSSE Manager allows you to easily monitor and control your company's daily operations. The comprehensive and user-friendly tool helps in maintaining your harvester fleet and increases the efficiency of work planning and reporting. PONSSE Manager provides you with real-time, comprehensive data on your fleet – both performance and sites. Manager can be used conveniently on a smartphone, tablet or PC. Forest machines equipped with data transfer and GPS transmit the data automatically to an Internet-based reporting service.

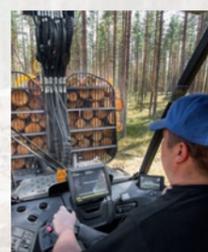


PONSSE ELEPHANT

NEW TORQUE AND TRACTIVE FORCE



ACTIVE FRAME
PONSSE Elephant is available with a new cabin suspension system for 8-wheelers. With two part front frame structure it smoothly eliminates the sideways movement directed to the operator.



ERGONOMICS
Ergonomics and ease of use are important factors when it comes to productivity. The cabin offers plenty of storage space, the most ergonomic controls available in the market and excellent visibility which is characteristic of all PONSSE forest machines.



SERVICEABILITY
Ease of maintenance can be achieved through an improved positioning of service points, service lights and safe service platforms.



ACTIVE CRANE
PONSSE Active Crane is a new crane control system, where the direction and speed of the boom tip is controlled instead of individual movements of the crane. It's enough for the operator to give the grapple a desired direction, and the automation controls lifting, luffing and extension automatically.



ENGINE
A powerful Mercedes-Benz engine with high torque has low emissions and fast response!



TRANSMISSION
The transmission offers more practical tractive force and an even better feel in all types of terrain.



LOADER
Maneuvering the powerful PONSSE K100+ loader is easy and effective. Loader reach is 7,8 or 9,5 meters (26/31 feet). PONSSE K121 is a loader for most demanding logging operations with 8 m or 10 m (26/33 feet) reach and it has exceptional slewing torque and lifting moment.



FRAMES
A simple and strong frame structure. In addition to reliability, the functional positioning and serviceability of components are typical characteristics of the structure.

LESS SERVICE, MORE OPERATION

The technology and hydraulics offer longer service intervals, increasing effective operating hours and reducing operating costs.

Easy access to important components speeds up maintenance. In all PONSSE models a special attention has been put into positioning

of components and service points, as well as the ease of maintenance, as requested by our customers.



SERVICE LIGHTS

Service lights are located in the bumper casings and under the cabin and engine cover.



EASY ACCESSIBILITY

Batteries, Webasto heating systems, the central lubrication unit, electrical centre, pneumatic connectors and measuring points are easily accessible under opening bumper casings.



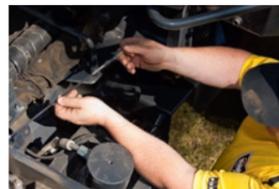
STORAGE SPACE FOR ACCESSORIES

The machine provides plenty of storage space for tools and accessories in various locations.



CLARITY FOR MAINTENANCE

Machine designs have been clarified and machine models standardised. In addition, an owner's manual and a service book are always delivered with the machine.



INSPECTION POINTS

Daily checks are easy to perform without climbing or stretching.



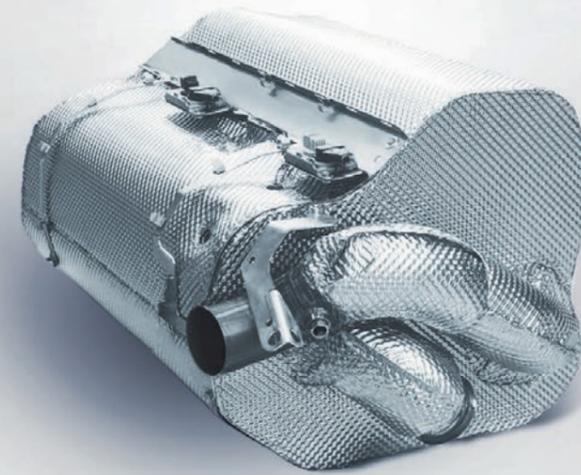
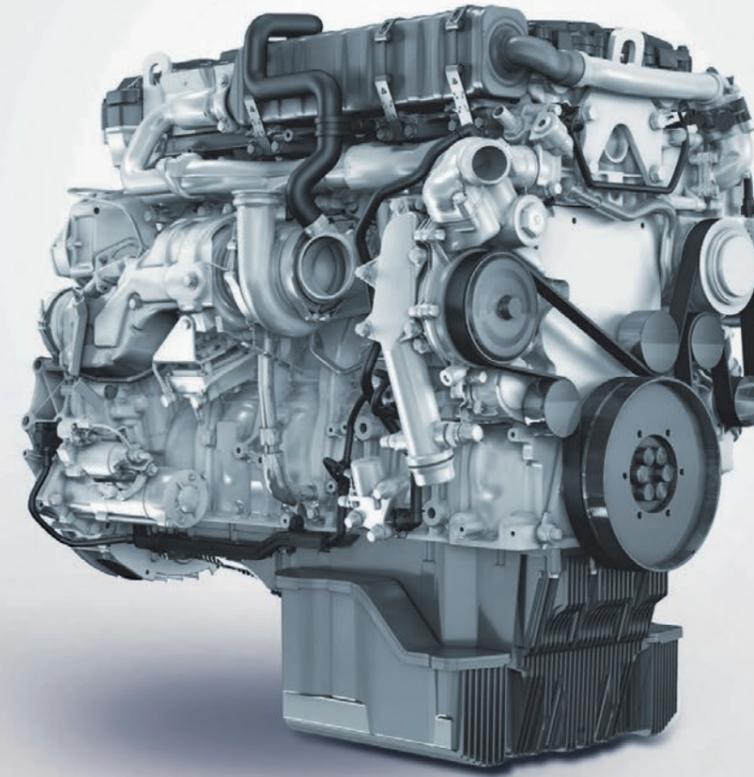
SERVICE PLATFORMS AND STEPS

The anti-slip service platforms and attachments of the new service steps enable easier and safer maintenance procedures.

CLEAN PERFORMANCE WITH NEW ENGINES

Ponsse uses the latest Mercedes-Benz/MTU engine technology to provide the highest performance and fuel economy with excellent reliability.

They provide high torque at lower rpm level, as well as significantly lower emission levels. In Europe Stage V-engines are used where particle mass (PM) and amount of nitrous oxides are significantly lowered. Along with particle mass, in the new STAGE V level engines also number of particles is reduced by a diesel particulate filter (DPF).



In North America PONSSE machines use the powerful and responsive Tier 4F level Mercedes Benz/MTU engines. In other countries, a Stage III level engines are used.

THE MOST COMFORTABLE OFFICE IN THE FIELD

THE PONSSE ELEPHANT CABIN offers a viewpoint to the latest forest machine technology. It provides a working environment for skilled professionals who value comfort, safety and ergonomics. The ergonomics of the controls represent the cutting edge of forest machines and, thanks to the large cabin, wide windows and thin window pillars, the visibility from the cabin is excellent in all directions. The PONSSE Comfort forest machine user interface has been developed together with operators and it utilises years of experience.

THE BEST COACH FOR OPERATORS



THE PONSSE ECODRIVE application provides operators with useful and easily understandable information about the use of the machine. Through the machine's control system, it monitors machine load and fuel consumption for each function and indicates in real time whether the operator's working methods and machine controls are economical and efficient. Eco-Drive lets you focus on what is essential in order to develop working methods.

PONSSE ELEPHANT

DIMENSIONS

Minimum weight:	22 000 kg (48,500 lbs)
Typical weight:	22 800 kg (50,260 lbs)
Length:	10 150–11 060 mm + glide bunk 700mm (400-436 in +glide bunk 28 in)
Width:	2 990–3 300 mm (118-130 in)
Transportation height:	3 990 mm (157 in)
Ground clearance:	800 mm (31,4 in)
Steering angle:	± 44 degrees

LOADER

Model:	PONSSE K100+ / K121
Lifting moment (gross):	K100+: 160 kNm (118.001 lb ft) K121: 195 kNm (143.824 lb ft)
Reach:	K100+ S / M: 7,8 m / 9,5 m (26/31 ft) K121 S/M: 8 m / 10 m (26/33 ft)

TIRES

Front and back:	26.5"
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GRAPPLE

Model:	Several different grapple alternatives
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ENGINE

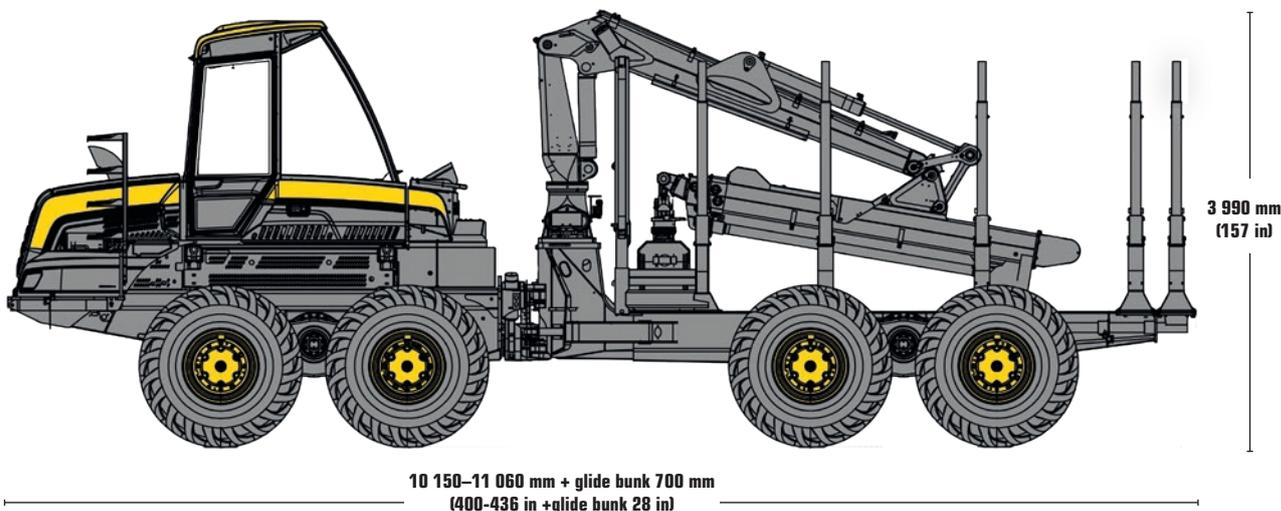
Model:	MB OM936 LA EU Stage V/Tier 4 Final or MB OM906 LA EU Stage IIIA (according to legal requirements)
Power:	Stage V and Tier 4F: 210 kW (286 hp) Stage IIIA: 205 kW (275 hp)
Torque:	1 200–1 600 rpm (Stage V: 1 200 Nm, Tier 4F: 1 150 Nm, Stage IIIA: 1 100 Nm)
Tractive force:	220 kN (49,500 lbf)
Driving speed:	0–20 km/h (0–12 mph)
Fuel tank volume:	260 l (69 gal US)

HYDRAULIC SYSTEM

Control system:	PONSSE OptiControl
Working pump:	190 cm ³ (11.6 cu in)
Oil tank volume:	170 l (45 gal US)

LOAD SPACE

Capacity:	18 000 kg (39,683 lbs)
Load space cross-sectional area:	5,8–6,25 m ² (62.5-67.3 sq ft)
VLA:	5,2-6,7 m ² (56-72 sq ft)
Load space length:	4 540–5 450 mm + glide bunk 700 mm (179-214 in + glide bunk 28 in)
Log gate can be moved hydraulically.	



The manufacturer reserves the right to make technical changes and improvements. PONSSE Elephant 8/18 2. Copyright © 2018 Ponsse Plc. PONSSE is a registered trademark of Ponsse Plc and other product names are trademarks of Ponsse Plc.

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