

**MAMMOET**

**PONSSE**

***THE BIG PICTURE  
OF PRODUCTIVITY***





**PONSSE MAMMOTH**

# ***THE BIG PICTURE OF PRODUCTIVITY***

**PONSSE MAMMOTH** forwarder has what it takes to ensure productive operations even in the most demanding logging sites. Performing at its best in challenging situations such as plantations and long-distance transport, PONSSE Mammoth smoothly takes care of business wherever exceptional efficiency and reliability are valued.

PONSSE Mammoth's superior performance is based on leading load-carrying capacity and high-performance K121 loader. By seamlessly combining these two key factors with smart power transmission, PONSSE Mammoth can significantly reduce the overall cost per cubic meter delivered to the roadside.

Stepless gearbox and advanced hydraulics that utilizes two pumps instead of one – as well as sturdy components – ensure that ideal torque levels are in use at all times. In addition to further improving efficiency, this contributes to PONSSE Mammoth's durability and helps avoid any unexpected downtime at the site.

The frame and power transmission have been designed and synchronized for this particular forwarder, making PONSSE Mammoth swift, agile and fun to drive. It is a real forwarder for real loggers, able to carry loads of up to 25 tons – and the productivity of your operations to yet another level.





# RETHINKING THE IDEA OF PRODUCTIVE HARVESTING

INDUSTRY-LEADING LOAD-CARRYING  
CAPACITY, EFFICIENT K121 LOADER AND  
EXCELLENT FUEL ECONOMY ARE PONSSE  
MAMMOTH'S WEAPONS IN PROVIDING  
SUPERIOR COST PER CUBIC METER OF  
TREES BY THE ROADSIDE.





# PONSSE MAMMOTH

**PONSSE Mammoth's frame structures and sturdy bogies have been designed to withstand loads of 25 tons, even in the most demanding conditions. The trail may not always be smooth and comfortable which means that the new Active Cabin – cabin suspension system, available as optional equipment, is more than welcome. It prevents the operator from swaying in the cabin and helps the operator to keep working. The large load space and smooth transmission and loader control system ensure that PONSSE Mammoth is the most productive forwarder on the market.**

## ENGINE AND HYDRAULICS

As Mammoth is a large machine, it must have a lot of power. And it certainly does. A powerful Mercedes-Benz engine with high torque has low emissions and fast response!

## CVT TRANSMISSION

Unprecedented in the field, the CVT (continuously varying transmission) drive ensures that the Mammoth boasts more practical tractive force, enabling faster forest haulage. This improves the machine's productivity, especially when driving long distances.



## LOADERS

The super-strong hydraulics and the K121 loader is designed for this heavy-duty machine. The strong crane with its precise feel makes working fast and productive. A machine of this size handles large loads, and the loader is under heavy stress. The K121 loader has been designed and built to last. The K121 loader is available as S or M. S has a reach of 8 meters and M has a reach of 10 meters.

## IMPRESSIVE LOAD CARRYING ABILITY

The large load space and durable structure of the Mammoth allows it to carry loads of up to 25 tons.

## FRAME STRUCTURES AND FRAME OSCILLATION LOCK

The design of the Mammoth frame focuses particularly on durability and ease of maintenance. The reliable frame oscillation lock, equipped with hydraulic cylinders, is solid and acts as a shock absorber when driving.



# WORKPLACE WITH A VIEW

## THE MAMMOTH HAS NO OBSTACLES TO PRODUCTIVITY IN SIGHT.

The PONSSE Mammoth cabin is your vantage point to the latest in forest machine technology. It is a work environment for professionals who value comfort, safety and ergonomics.

The control devices are the best you will find in forest machines in terms of their ergonomics. The large cabin, expansive windows and thin window pillars ensure excellent visibility in all directions.

Optionally the cabin can also be equipped with the best forest machine seat in the world, PONSSE Seat.

### PONSSE SEAT

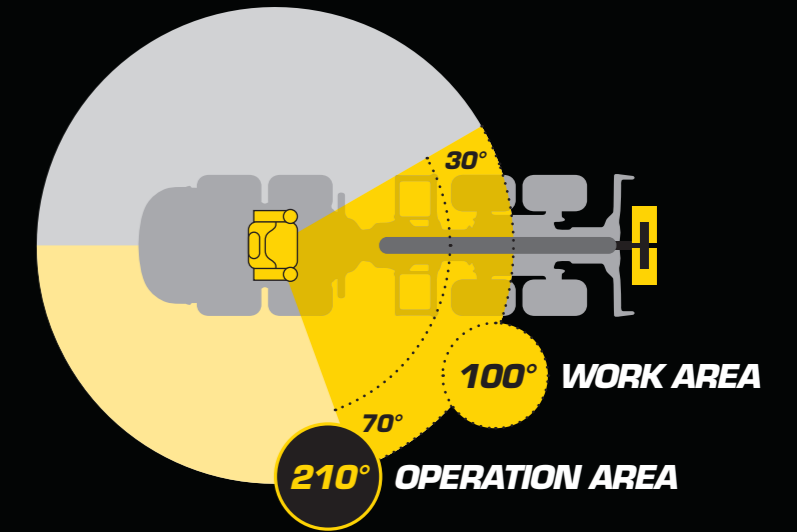
The breathable fabric and ergonomic seat supports, guarantee improved working comfort. Seat fabric is especially durable and the dirt repellent surface makes cleaning effortless. A strong base provides the seat with superior reliability and stability. Thanks to the suspension specifically designed for forest machines, the PONSSE Seat effectively decreases swinging and impacts towards the operator. All adjustment controls are conveniently located at the front of the seat cushion. The removable cushion gives easy access to the seat base for maintenance.



### PONSSE ACTIVE SEAT

PONSSE Active Seat provides a full view straight on the job, at all times. It accomplishes this through technology where the operators seat automatically follows the tip of the loader while working. This results in a lot less head movement which significantly contributes to both driver well-being and operating efficiency.

The automatic rotation function covers the entire 100-degree working area. In addition, the operator can manually control the seat: this increases rotation span to 210 degrees, enabling convenient driving to the roadside.



### PONSSE FORWARDER EXTRA DISPLAY

Quite often, having another viewpoint on what is happening out there helps – especially when you have to make accurate decisions quickly. PONSSE Forwarder Extra Display mirrors the content of the mounted Opti display which is left behind the driver's back when the forwarder is moving to the direction of the engine. This frees the driver from the need to constantly turn around, contributing significantly to the forwarder's smooth movement and operational safety.



### PONSSE ACTIVE CABIN

Not even the toughest logger is immune to all the tremble and shocks that operating a forwarder unavoidably includes. We listened to our customers from all over the world and developed PONSSE Active Cabin to help them take care of their daily tasks without having to worry about unnecessary moments of pain.

The basic idea of PONSSE Active Cabin is simple, yet effective: four sliding elements and four shock absorbers dampen the vibration of the cabin efficiently, so that operating the forwarder on uneven forest roads and rough terrain becomes more comfortable – and thus more productive.





**ACTIVE  
CARE**

**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 special attention has been put into the positioning of components and service points, as well as the ease of maintenance, as requested by our customers.

**ENSURE MAXIMUM PRODUCTIVITY**

PONSSE Active Care service agreements offer the best possible service for forest machine entrepreneurs. You can focus on your logging, while Ponsse will make sure that the machine will maintain its performance and productivity from one logging site to the next. With the PONSSE Active Care service agreement, you can outsource the scheduled maintenance of your forest machine to Ponsse. Machines are maintained regularly by our professionals using only high-quality and original PONSSE parts, lubricants and filters to keep the machines in good operating condition to retain its value.



**MERCEDES-BENZ -MOTORS**

# ***CLEANER AND MORE EFFICIENT***

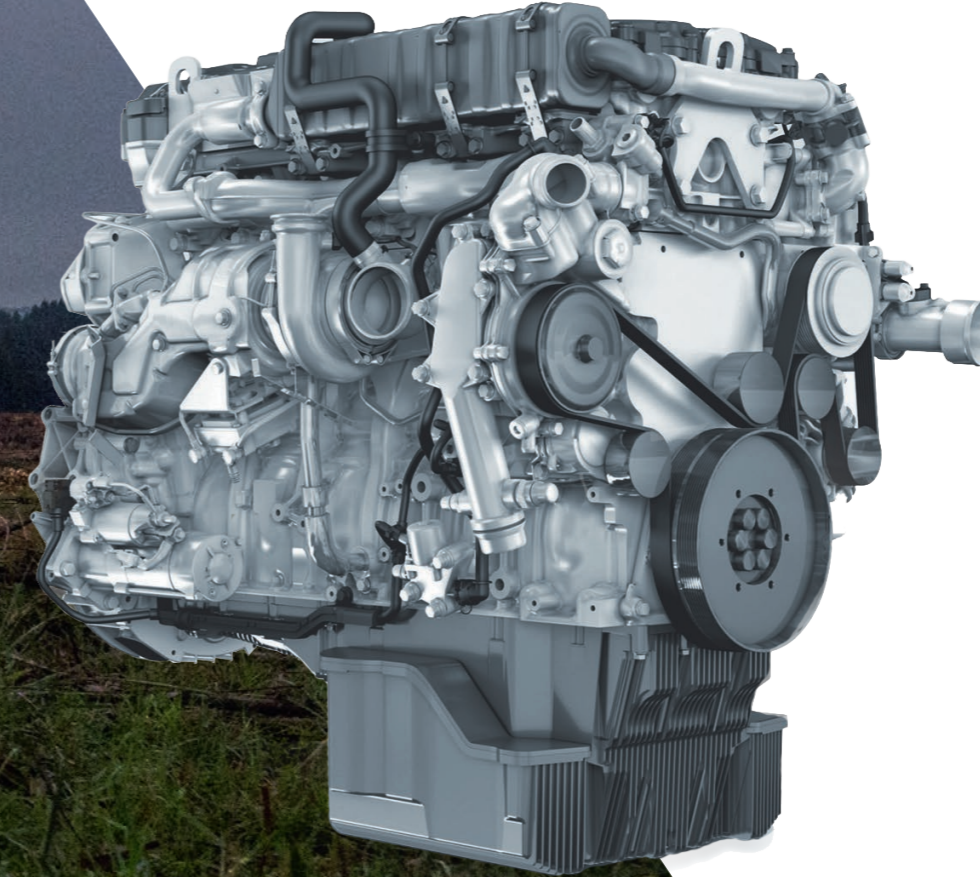
**Explosive power and increased torque.  
Lower emission level and fuel consumption.**

The new Mercedes-Benz STAGE V emission engines are efficient and economical. The torque has been increased, and maximum torque can be reached at lower engine speeds.

The Mercedes-Benz STAGE V emission engines are modern, low-emission engines with significantly lower particulate matter (PM) and nitrogen oxide (NOx) emissions compared to engines of the previous emission levels (STAGE III and IV).

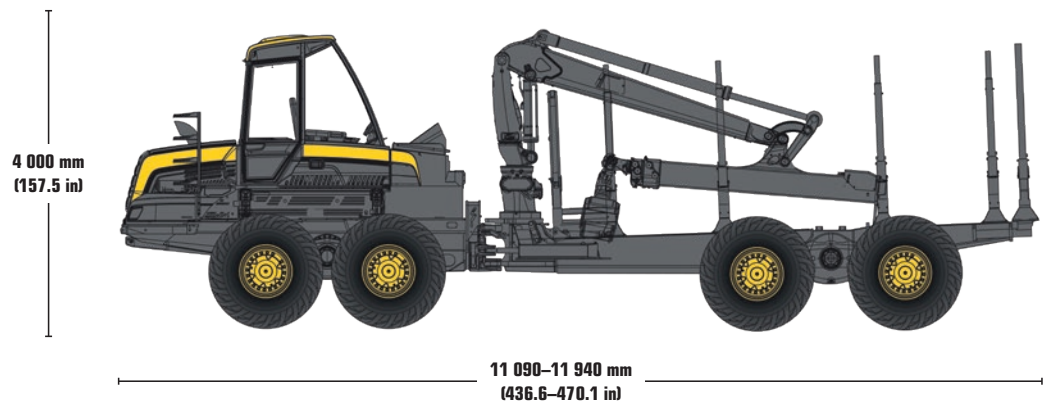
In addition to particulate matter, the STAGE V engines also now control particulate volume with a particulate filter (DPF).

*Outside Europe an EU Stage V/Tier 4F or Stage IIIA level Mercedes-Benz engine is used depending on market specific emission requirements.*





# PONSSE MAMMOTH



## DIMENSIONS

Length:	11 090–11 940 mm (436.6–470.1 in)
Width:	3 168–3 298 mm (124.7–129.8 in)
Transportation height:	4 000 mm (157.5 in)
Minimum weight:	28 500 kg (62,832 lbs)
Typical weight:	28 500 kg (62,832 lbs)
Ground clearance:	770 mm (30.3 in)
Steering angle:	± 42,5°

## LOADER

Model:	PONSSE K121 S and M model
Lifting moment (gross):	180–190 kNm (132.761–140.136 lb-ft)
Reach:	K121M: 10 m (32.8 ft), K121S: 8 m (26.2 ft)

## GRAPPLE

Model:	Several different grapple alternatives
--------	--

## TIRES

Front and rear:	28.5"
-----------------	-------

## ENGINE

Model:	MB OM936 LA (EU Stage V) MB OM936 LA (Dual Certification) MB OM906 LA (3A)
Power:	MB OM936 LA (EU Stage V) 210 kW (286 hp) MB OM936 LA (Dual Certification ) 210 kW (286 hp) MB OM906 LA (3A) 220 kW (299 hp)
Torque:	MB OM936 LA (EU Stage V) 1200 Nm, 1200–1600 rpm MB OM936 LA (D.C) 1200 Nm, 1200–1600 rpm MB OM906 LA (3A) 220 kW
Tractive force:	320 kN (71,938 lbf)
Driving speed:	0–20 km/h (0–12 mph)
Fuel tank volume:	265 l (70 gal US)

## HYDRAULIC SYSTEM

Control system:	PONSSE Opti 4G
Working pump:	112 l x 2
Oil tank volume:	90 l (23.8 gal US)

## LOAD SPACE

Load capacity:	25 000 kg (55,116 lbs)
Load capacity cross section:	6,8 m <sup>2</sup> (73.2 sq ft) 8,0 m <sup>2</sup> (86.1 sq ft) Mechanical VLA



### Ponsse Plc

Ponssentie 22  
FI-74200 Vieremä  
FINLAND  
Tel. +358 20 768 800  
www.ponsse.com

### Ponsse UK Ltd.

4 Annan Business Park  
Annan  
Dumfriesshire  
DG12 6TZ  
UNITED KINGDOM  
Tel. + 44 1461 207 510

### Ponsse Machines Ireland Ltd

Cappakeel, Emo  
Portlaoise  
R32NN28  
Laois  
IRELAND  
Tel. +353 57 863 3762

### Ponsse North America, Inc.

4400 International Lane  
Rhineland, WI 54501  
USA  
Tel. +1 715 369 4833  
Fax +1 715 369 4838



**A logger's best friend**  
[www.ponsse.com](http://www.ponsse.com)