

***BIGGEST LOAD,
BIGGEST RESULTS***

**EL
EPHANT
KING**





PONSSE ELEPHANT KING

BIGGEST LOAD, BIGGEST RESULTS

PONSSE Elephant King is the sturdiest machine in our forwarder line. When forest machines are designed and manufactured in Finland, it is guaranteed that requirements set by different conditions have been taken into account. Conditions vary from the extreme coldness to extreme heat, but the durable structure is reliable and holds no surprises, even in heavy-duty operations. The technology, tested in extreme conditions, caters for productivity and helps the operator to keep working. Its powerful engine, combined with its never-ending tractive force and 20-ton load-carrying capacity, ensures that wood is moved efficiently, also at sites located on slopes, and over long distances, with fewer trips.

PONSSE ELEPHANT KING

PONSSE Elephant King's frame structures and sturdy bogies have been designed to withstand loads of 20 tons, even in the most demanding conditions. The large load space and smooth transmission and loader control system ensure that PONSSE Elephant King is the most productive forwarder on the market.

ENGINE AND HYDRAULICS

As Elephant King 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!

FRAME STRUCTURES AND FRAME OSCILLATION LOCK

The design of the Elephant King 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.



CABIN AND CONTROL SYSTEM

The most spacious and comfortable cabin and the most ergonomic controls guarantee the best working comfort. PONSSE Opti information system is an advanced and easy-to-use interface for machine and work management.

K121
ACTIVE CRANE

LOADER

The super-strong hydraulics and the K121 loader is designed for this heavyduty 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.

ACTIVE CRANE

PONSSE Active Crane offers a new way of controlling the loader and boosting efficiency. It is a forwarder system which the operator uses to control the grapple movement instead of individual functions, allowing the operator to concentrate efficiently on loader work. Active Crane is easily controlled using two levers, one of which controls the grapple height from the ground and the other controls the direction of movement. What is essential is that the operator does not need to control all the functions simultaneously. Once the appropriate grapple location has been given to the machine, it will perform the lift and use the boom and extension automatically. The operator can easily switch between Active Crane and conventional loader control with a push of a button. Active Crane is based on Ponsse's unique Sensor Module technology, which is used, for example, in the PONSSE Scorpion levelling system. This provides Active Crane with the best reliability and easy maintenance.

CABIN

WORKPLACE WITH A VIEW

THE ELEPHANT KING HAS NO OBSTACLES TO PRODUCTIVITY IN SIGHT.

The PONSSE Elephant King 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

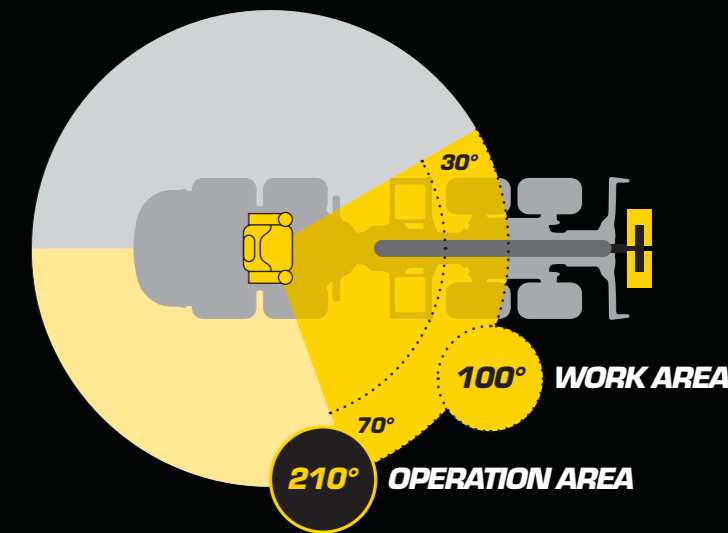
The breathable fabric and ergonomic seat supports, guarantee improved working comfort. Seat fabric is especially durable and the dirt repellent surface makes cleaning effortless. A strong base provides the seat with superior reliability and stability. Thanks to the suspension specifically designed for 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

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 ENGINES

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 MANAGER REAL-TIME MANAGEMENT

PONSSE Manager connects forest machines to an information network.

PONSSE Manager, the modern digitalization platform for forest machines, enables comprehensive services now and in the future. The easy-to-use tool offers assistance in harvesting equipment maintenance and work planning, along with providing access to functional and extensive reporting.

PONSSE Manager provides real-time information on equipment performance and work site status. The solution can be easily used via a smartphone, tablet or computer.



PONSSE MANAGER TAKES YOU TO THE NEXT LEVEL IN DIGITALIZED FOREST MACHINES

Ponsse Manager is an operations management system for forest machine entrepreneurs and fleet loggers. Ponsse Manager was created for customers in order to provide important information concerning their fleet. Ponsse Manager keeps loggers up to date on matters that influence the profitability of their fleet and enables more efficient operations.

MACHINE MANAGEMENT

The right machine in the right place at the right time. Monitor the progress of stands by comparing the estimated timber volume to the cut timber volume.

With the map view and progress of the job site, the user can plan the move to the next site.

MANAGEMENT OF PRODUCTIVITY

PONSSE Manager displays the production volumes of the machines by stand. The application displays the total volume cut, breakdown of timber grades and average size of trees for each on-going stand.

REMOTE MANAGEMENT

The features of PONSSE Manager support efficient machine operations. The application informs the user what is happening with the machine, so the operator can focus on the actual work.

The application makes it possible to contact the information system of the forest machine with a single press of a button.

INSTRUCTIVE PONSSE ECODRIVE

The PONSSE Ecodrive feature makes it possible to monitor productivity and work phases of an individual machine in detail. It also enables momentary productivity comparison to the productivity of the shift. Work phase -specific indicators make it possible to develop working methods to be more productive and economical and ensure the correct functionality of adjustments.

PONSSE Ecodrive is a system that instructs the user and gives feedback based on actual measurements. Ecodrive can measure also the effect of service on the productivity of the machine.

TRANSPORT MANAGEMENT

When machine transport is needed, the operator can place the order directly via the menu of Opti control system.

MANAGEMENT OF MACHINE SERVICING NEEDS

The service section of PONSSE Manager makes it easy to check when the machines require service. The application displays the machine hours, and a scheduled maintenance interval can be set for the machines so that the application reports when the time of service is approaching.

In addition, the operator can record notes on servicing needs directly via the Opti control system of the machine.

REPORTS

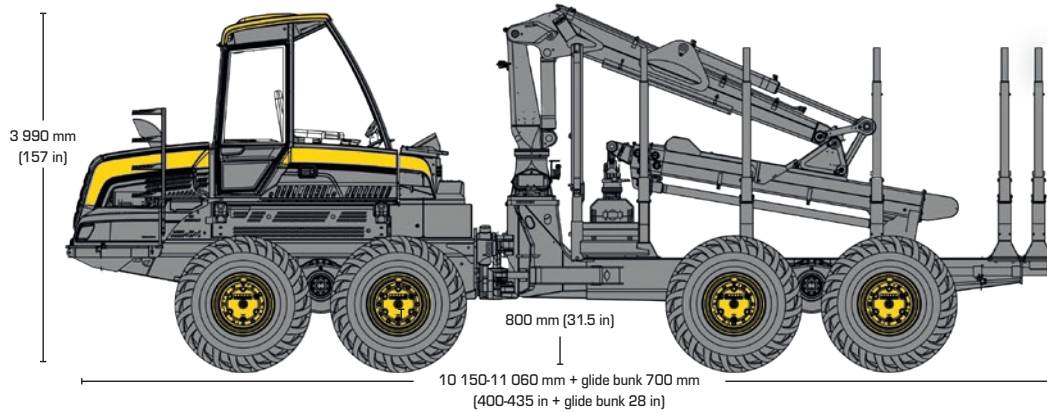
Reports help the user to analyze the amount of production and fuel consumption in different ways. You can also follow and print out measurement certificates.

With the reports produced by PONSSE Manager you can, for example, compare different machines' productivity and follow fuel consumption of any machine.

In work area reports you will see clearly and precisely the amounts of cut assortments and average stem sizes. You can also compare various statistics within a chosen time span. This way you can easily monitor your company's operational efficiency and utilize the information in operational planning.



PONSSE ELEPHANT KING



DIMENSIONS

Length:	10 150-11 060 mm + glide bunk 700 mm (400-435 in + glide bunk 28 in)
Width:	3 070-3 210 mm (121-126 in)
Transportation height:	3 990 mm (157 in)
Minimum weight:	22 900 kg (50,486 lb)
Typical weight:	23 700 kg (52,250 lb)
Ground clearance:	800 mm (31.5 in)
Steering angle:	± 44 degrees

HYDRAULIC SYSTEM

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

TIRES

Front and rear:	26,5"
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ENGINE

Model:	MB OM 936 LA EU Stage V MB OM 936 LA EU Stage V/Tier 4F MB OM 906 LA Stage IIIA
Power:	EU Stage V & EU Stage V/Tier 4F: 210 kW (286 hp) Stage IIIA: 205 kW (275 hp)
Torque:	1 200–1 600 rpm (EU Stage V & EU Stage V/Tier 4F: 1 200 Nm, Stage IIIA: 1 100 Nm)
Tractive force:	240 kN (53,954 lbf)
Driving speed:	0–20 km/h (0–12 mph)
Fuel tank volume:	260 l (69 gal US)

LOADER

Lifting moment (gross):	195 kNm (143.824 lb-ft)
Reach:	8 m / 10 m (26/33 ft)

K121

GRAPPLE

Model:	Several different grapple alternatives
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LOAD SPACE

Capacity:	20 000 kg (44,092 lb)
Load space	
cross-sectional area:	5,8-6,7 m ² (62.5-72.1 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.

Plenty of optional equipment is available in addition to the comprehensive PONSSE Elephant King standard equipment. Consult your nearest Ponsse retailer for more information on the standard and optional equipment.



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