

PONSSE

***BIGGEST LOAD,
BIGGEST RESULTS***

**ELLEPHANT
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 of Siberia to extreme heat in South America, 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 trail may not always be smooth and comfortable which means that the Active Frame 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 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

LOADERS

The super-strong hydraulics and the K100+ and K121 loaders are 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 K100+ and K121 loaders have 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 and the PONSSE Active Frame cabin suspension 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*

UNBEATABLE COMFORT

THE ONLY SEAT ON THE MARKET SPECIALLY DESIGNED FOR FOREST MACHINE DRIVERS.

COMFORT ABOVE ALL ELSE.

The breathable fabric and ergonomic seat supports, guarantee improved working comfort.

DURABLE AND EASILY MAINTAINABLE FABRIC.

Seat fabric is especially durable and the dirt repellent surface makes cleaning effortless.



DURABLE AND STABLE BASE.

A strong base provides the seat with superior reliability and stability. Thanks to the suspension specifically designed for forest machines, the PONSSE Seat decreases effectively swinging and impacts towards the operator.

EASY ACCESS TO SEAT CONTROLS AND BASE.

All adjustment controls are conveniently located at the front of the seat cushion. The base can also be accessed easily by removing the cushion.

* PONSSE Seat is available as option to all PONSSE machines.



**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.

EXTREME COMFORT AT HIGH SPEEDS

TOP PRODUCTIVITY HOUR AFTER HOUR

Unparalleled comfort and first-rate control.

Active Frame helps the driver keep alert and productive.

PONSSE Elephant King Active Frame features robust frame structures. Easy maintenance has been taken into account in the positioning of the components and maintenance targets. In addition to this, the machine's extremely long maintenance intervals increase effective operating hours and reduce maintenance costs.

Even at increased speeds, excellent driver comfort and machine handling are maintained. Ponsse's proprietary Active Frame cabin suspension system ensures that lateral swings affecting the driver are eliminated in an efficient and unnoticeable manner.

The structurally simple yet effective system ensures an exceptionally comfortable ride. The driver's body is subjected to significantly less stress than ever before. The Active Frame system helps the driver keep alert and productive for hours on end, even at high speeds.



PONSSE MANAGER

REAL-TIME MANAGEMENT

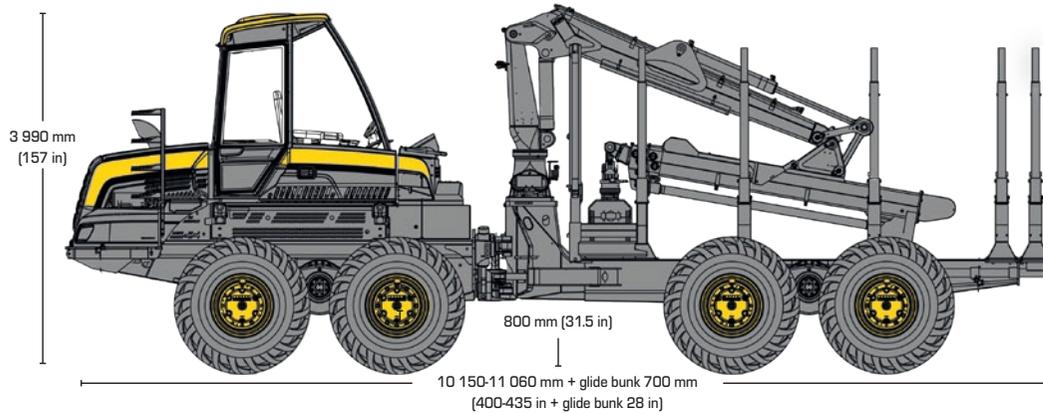
PONSSE Manager connects forest machines to an information network.

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

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



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

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

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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A logger's best friend
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