

**ELIK**

**PONSSE**

***STURDY AND  
COMPACT***



**PONSSE ELK**

# ***A COMPACT POWERHOUSE***

PONSSE Elk is a smaller machine in a highly versatile size class. Its compact design makes it very agile, while its components, shared with larger machines, make it a powerful and durable forwarder with a first-rate load-carrying-capacity. Its engine with a fast response, impressive torque and sturdy loader make working comfortable, especially when the operator can enjoy the most spacious cabin and ergonomic controls on the market. PONSSE Elk is an excellent choice when you need an economical but a powerful workhorse for thinning-based logging.



# PONSSE ELK

With its load-carrying capacity of 13 tons, PONSSE Elk is a powerful tool, which feels smaller thanks to its agility. Its economical engine and large fuel tank increase the refuelling interval. It is safe to say that the Elk is an excellent machine for thinning sites where the machine needs to cover long distances. The best machine for every need, with technical systems proven in operations round the world, can be easily found from the broad range of models and optional equipment.

## 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.

## ENGINE AND HYDRAULICS

PONSSE Elk is a powerful machine. The consistent power of the Mercedes-Benz engine is available over a broad rpm range. Its fast response to the throttle, steady torque and strong hydraulics make the machine humble and easy to use.

## FRAME STRUCTURES AND FRAME OSCILLATION LOCK

The design of the Elk frame focuses particularly on durability and ease of maintenance. In addition to reliability, the functional positioning and serviceability of components are typical characteristics of the structure.

## ELK 10W

In place of the long bogie, the machine can also be equipped with Ponsse's unique 10W solution to make it a true beast of soft terrain. Ten wheels make the machine's ground pressure very low. 10W also stands for flexibility. When you do not need an extra pair of wheels, the machine can also be used as an eight-wheeled version.



## POWER AND PRECISION

Elk's strong hydraulics and precise feel make loading easy and reliable. The maximum reach of the loaders extend all the way to 10 meters.

## 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 in the PONSSE Scorpion leveling system and the PONSSE Active Frame suspension system. This provides the Active Crane with easy maintenance and reliability.

## LONG BOGIE

A long bogie, a new bogie option designed for harvesting in soft conditions, reduces the ground pressure of the machine significantly compared to a standard bogie when using tracks.

## CABIN

# WORKPLACE WITH A VIEW

THE ELK HAS NO OBSTACLES TO PRODUCTIVITY IN SIGHT.

The PONSSE Elk 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 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 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, 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.*



Our goal is to manufacture the most productive and economical forest machines on the market. We call this the PONSSE Boost/Save operating model.

At Ponsse, we have always put the customers first.

For decades now, we have been developing the world's best cut-to-length forest machines as well as related services and information systems. The users of the machines are the best specialists in their field, and we closely listen to their feedback. Together, we have managed to continue increasing the productivity and efficiency of harvesting and reduce the costs. This has been the result of longterm collaboration. However, we want to serve our customers even better.

Boost/Save means even more efficient products and better services for our customers. It means efficient and productive machines, agile product development, thorough training, comprehensive maintenance, original spare parts and the most modern information systems in the field.

Boost/Save means efficient and productive harvesting!

## PONSSE BOOST/SAVE **POWER AND SAVINGS**



## PONSSE MANAGER **REAL-TIME MANAGEMENT PONSSE**

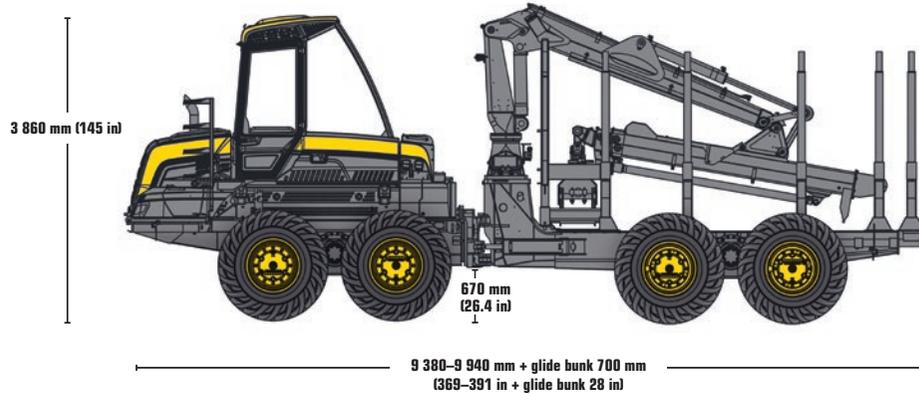
Manager connects forest machines to an information network.

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 ELK



## DIMENSIONS

Minimum weight:	17 700 kg (39.022 lb)
Typical weight:	18 800 kg (41.447 lb)
Length:	9 380-9 940 mm + glide bunk 700 mm (369-391 in + glide bunk 28 in)
Width:	2 690-3 085 mm (106-121.4 in)
Transportation height:	3 860 mm (145 in)
Ground clearance:	670 mm (26.4 in)
Steering angle:	± 44°
Outer turning radius:	7,8 m (25.6 ft) (short rear frame)

## LOADER

	K70+	K90+
Lifting moment (gross):	106 kNm (78.182 lb-ft)	140 kNm (103.300 lb-ft)
Reach:	M: 10 m (32'10 ft)	S/M: 7,8/10 m (25'7/32'10 ft)

## TIRES

Front and back:	26.5"
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## ENGINE

Model:	MB OM 934 LA EU Stage V MB OM 934 LA EU Stage V/Tier 4F MB OM 924 LA Stage IIIA
Power:	EU Stage V & EU Stage V/Tier 4F: 150 kW (204 hp) Stage IIIA: 145 kW (197 hp)
Torque:	1 200 - 1 600 rpm (EU Stage V & EU Stage V/Tier 4F: 850 Nm, Stage IIIA: 705 Nm)
Tractive force:	175 kN (39,341 lbf)
Driving speed:	0-20 km/h (0-12 mph)
Fuel tank volume:	150 l (39.6 gal US)

## HYDRAULIC SYSTEM

Control system:	PONSSE Opti Control
Working pump:	145 cm <sup>3</sup> (8.8 cu in)
Oil tank volume:	130 l (34.3 gal US)

## GRAPPLE

Model:	Several different grapple alternatives
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## LOAD SPACE

Load carrying capacity:	13 000 kg (28.650 lb)
Load space cross-section:	4,5-5,0 m <sup>2</sup> (48-54 sq ft)
VLA:	4,5-6,0 m <sup>2</sup> (48-65 sq ft)
Load space length:	4 210-4 770 mm + glide bunk 700 mm (167-188 in + glide bunk 28 in)

Log gate can be moved hydraulically.

In addition to the comprehensive standard equipment, plenty of optional equipment is available for the PONSSE Elk. Consult your nearest PONSSE retailer for more information on our standard and optional equipment.



### Ponsse Plc.

Ponssentie 22  
74200 Vieremä  
FINLAND  
Tel.: +358 20 768 800  
Fax: +358 20 768 8690  
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  
Rhinelander, WI 54501  
USA  
Tel. +1 715 369 4833  
Fax +1 715 369 4838



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www.ponsse.com