

PONSSE



**GUARANTEED POWER AND
COMFORT**

PONSSE BUFFALO

THE NEW CHAMPION OF FORWARDERS

Whether you are working at regeneration or thinning sites, the new PONSSE Buffalo provides you with power and comfort that you have never experienced before. The productivity and usability of the PONSSE Buffalo with its 14-tonne carrying capacity are based on several years of development work carried out on the basis of user feedback: the durable frames withstand heavy loads and are extremely easy to maintain. The sturdy bogies and cylinder-powered frame lock provide reliability under demanding conditions, while increasing the comfort during driving and loading.



The powerful engine and hydraulic system combined with the effective loaders make the Buffalo an extremely productive forwarder. The turbocharged Mercedes-Benz engine with six cylinders is effective and has low fuel consumption. The hydraulic components are of the best available quality and installed in service-friendly locations.

The PONSSE OptiControl machine control system controls the power production of the engine and hydraulics based on the existing load.

Therefore optimal power with optimal fuel consumption is always provided. The positioning, data transfer and reporting systems and other PC applications of the OptiForwarder information system*) make your work more efficient than ever before.

The spacious cabin, ergonomic controls and the ease of maintaining ensure that Buffalo drivers won't feel exhausted while working, thereby improving their overall productivity.

*) Optional equipment



POWER AND PRECISION

Buffalo's strong hydraulics and precise loader control enable easy and secure loading operation. The loaders have a maximum reach up to 33 feet.

BUFFALO SETS NEW STANDARDS FOR PERFORMANCE

LOADER

You can choose between the PONSSE K90+ and K100+ models. Both models have hoses in a protected location inside the boom. The strong loaders, large working pump with a 29 square inches capacity, long reach and accurate loader control bring force and precision to loading and unloading jobs. Durability and power guarantee effective operation also when handling large trunks or when working on sloping terrain. The Buffalo can also be equipped with a tilting loader base.



LOAD SPACE

The load space is able to carry heavy loads with unbelievable efficiency. Thanks to the two-part frame and different load space alternatives, the machine equipment level can be modified to best suit the length of the logs or the transported material from roundwood to energy fractions. The Buffalo can be provided with narrow and wide load spaces, both of which can be equipped with extensions. A VLA load space can also be selected. It permits increasing the cross-sectional area up to 65 square feet, making better use of the machine capacity when transporting lighter energy wood.



FRAMES AND BOGIES

The frame structures are durable and easy to maintain. The high-quality material choices and modern manufacturing technology maximise the service life and reliability of the machine even under demanding conditions. The new bogies with stronger construction provide carefree operating hours even in heavy operating conditions. You can choose either the standard bogies or the balanced bogies offered as optional equipment, depending on your specific needs.



MIDDLE PIVOT AND FRAME LOCK

The extremely strong and cast middle pivot of the Buffalo guarantees carefree operation even with heavier loads. The frame oscillation lock implemented with hydraulic cylinders is sturdy and exceptionally strong. When driving, the smooth operation of the cylinder-powered frame lock makes operation comfortable and minimises machine swaying. During loading, it is sturdy and has a firm grip also when lifting heavy loads.



CABIN AND CONTROL SYSTEM

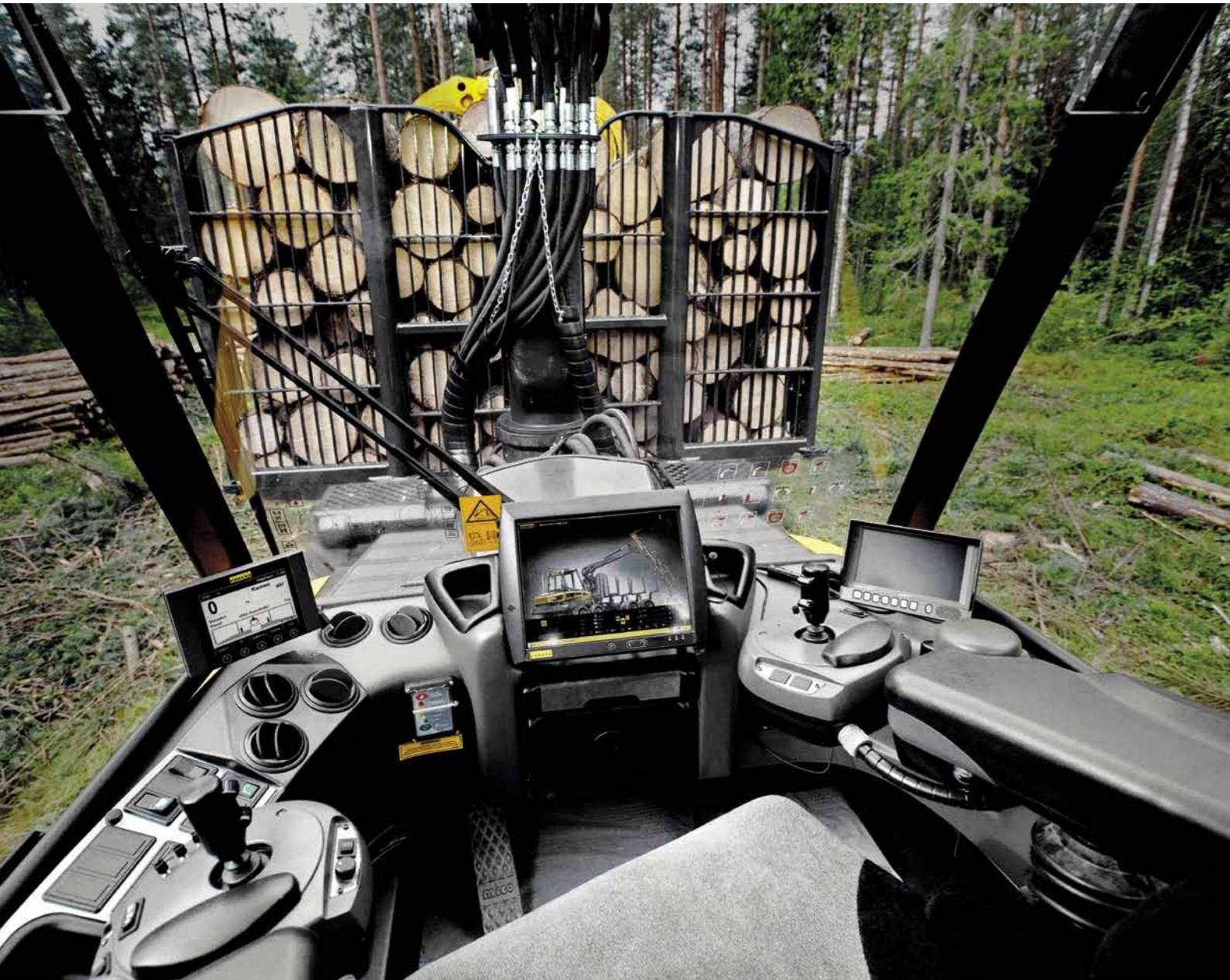
The spacious, quiet and ergonomic cabin maintains a high level of performance. Excellent visibility and ergonomic controls make the driver's job easier and more efficient. Due to the low vibration and noise levels, the driver is able to work in a brisk and efficient manner for longer periods.



ENGINE AND POWER TRANSMISSION

The efficient and economical 205 kW Mercedes-Benz OM-906LA diesel engine and the accurate control system produce a high torque with an extensive working rpm range (1,100 Nm/1,200–1,500 rpm). The hydrostatic drive transmission together with the 18-tonne tractive force guarantee a smooth ride under all conditions. Power transmission is controlled with the PONSSE OptiControl machine control system. Drivers can choose between different driving programs based on the prevailing conditions and their personal preferences.





PONSSE BUFFALO

DIMENSIONS

| | |
|--|--|
| Weight | |
| 8-wheeler | Minimum weight 38,360 lbs (17,400 kg) Typical weight 41,667 lbs (18,900 kg) |
| 6-wheeler | Minimum weight 34,613 lbs (15,700 kg) Typical weight 37,700 lbs (17,100 kg) |
| Length 371-417 in + sliding bunk 28 in (9,430 – 10,580 mm + sliding bunk 700 mm) | |
| Width 710-tyres 114-120 in (2,895/3,045 mm) 800-tyres 121 in (3,085 mm) | |
| Ground clearance 26 in (680 mm) | |
| Transportation height 150 in (3,800 mm) | |
| Steering angle + 44° | |
| Outer turning radius 26.1 ft (7,960 mm) (short rear frame) | |

LOADER

| | | |
|----------------|--|-------------------|
| Model | PONSSE K90+/K100+ | |
| Lifting moment | K90+: 91.458 lb ft (124 kNm) K100+: 106.947 lb ft (145 kNm) | |
| Reach | K90+ S: 26 ft (7.8 m) | M: 33 ft (10.0 m) |
| | K100+ S: 25 ft (7.6 m) | M: 31 ft (9.5 m) |

Engine

| | |
|------------------|--------------------------|
| Model | Mercedes-Benz OM906 LA |
| Power | 275 hp (205 kW) |
| Torque | 1200-1500 rpm (1,100 Nm) |
| Tractive force | 40,466 lbf (180 kN) |
| Driving speed | 0-14 mph (0-23 km/h) |
| Fuel tank volume | 44 gal (UK) (200 l) |

HYDRAULIC SYSTEM

| | |
|-----------------------------------|---------------------------------|
| PONSSE OptiControl control system | |
| Working pump | 12 cu in (190 cm ³) |
| Oil tank volume | 37 gal (UK) (170 l) |

TYRES

| | | |
|------------------|----------------------|--------------|
| 6-wheeler, front | 700/55 or 710/45-34" | |
| 6-wheeler, back | 710/45-26.5" or | 800/40-26.5" |
| 8-wheeler, front | 710/45-26.5" or | 800/40-26.5" |
| 8-wheeler, back | 710/45-26.5" or | 800/40-26.5" |

GRAPPLE

| | |
|-------|--|
| Model | Several different grapple alternatives |
|-------|--|

LOAD SPACE

| | |
|--------------------------------------|---|
| Capacity | 30,865 lbs (14,000 kg) |
| Load space cross-sectional area | 48-59 sq ft (4.5-5.5 m ²) |
| VLA | 48-65 sq ft (4.5-6.0 m ²) |
| Load space length | 165-211 in + sliding bunk 28 in (4,200-5,350 mm + sliding bunk 700 mm) |
| Log gate can be moved hydraulically. | |

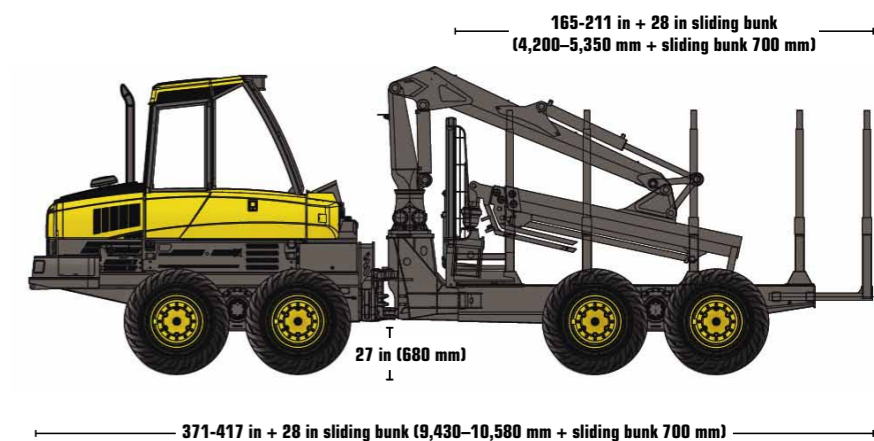
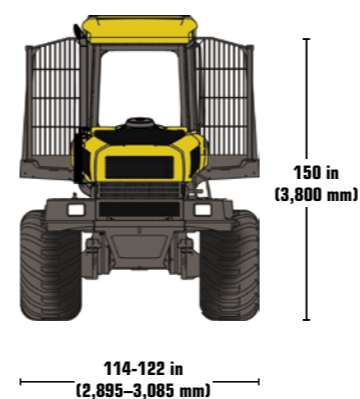
Plenty of optional equipment is available in addition to the comprehensive PONSSE Buffalo standard equipment. Consult your nearest Ponsse Service Center or dealer for more information on the standard and optional equipment.



FIVE STAR WORKPLACE

The PONSSE forest machine cabin offers a viewpoint to the latest forest machine technology. It provides a working environment for skilled professionals who value good visibility, comfort, safety and ergonomics. The quiet cabin, detailed design of the control devices and clear control panel along with the air conditioning and heating system dimensioned for demanding conditions all play a key role in productive operation.

The ROPS/OPS/FOPS protective structures of the PONSSE forest machine cabins comply with all the valid ISO standards. The windows of the safety cabin are designed to withstand heavy impacts. To ensure their scratch resistance and safety, the windows are manufactured of hard-coated polycarbonate. The glue fastening of the windows minimises vibration and contributes to making the cabin an extremely quiet working space.



Ponsse Plc

Ponssentie 22
FI-74200 Vieremä
FINLAND
Tel. +358 20 768 800
Fax +358 20 768 8690

Ponsse North America, Inc.

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

Ponsse UK Ltd.

Unit 3, Broomhouses 1
Industrial Estate
Lockerbie,
Dumfrieshire DG11 2RZ
UNITED KINGDOM
Tel. +44 1576 203 000
Fax +44 1576 202 202



PONSSE Buffalo Q2/10 1.

Copyright: © 2011 Ponsse Plc. PONSSE is a registered trademark of Ponsse Plc and other product names may be trademarks or trade names of Ponsse Plc.

A logger's best friend

www.ponsse.com