

PONSSE



**STABLE EFFICIENCY AND
ERGONOMICS**

PONSSE ERGO



VERSATILE PERFORMANCE

PONSSE Ergo can be equipped for different needs, for example, by selecting the number of wheels, the crane type and the harvester head according to needs and preferences.



PRODUCTIVITY, ECONOMIC EFFICIENCY AND ERGONOMICS IN ONE PACKAGE

PONSSE Ergo is a very versatile harvester for different conditions with six or eight wheels. The efficient Mercedes-Benz engine and the dual circuit hydraulic system ensure that Ergo's performance in its size class is unbeatable – it is a real power pack at all sites. The cabin ergonomics, the service-friendly and sturdy structure of the machine, and the best customer support on the market ensure that PONSSE Ergo has productive working hours – year after year.

The versatility of Ergo helps find the best solution for different conditions. The eight-wheeled machines' excellent stability and gravity are useful when working on steep hills and other challenging terrain. At the same time, the low surface pressure guarantees operation even when the terrain is soft. The six-wheel Ergo is an agile mover whose patented active sus-

pension balances the bumps experienced in the cabin while driving.

According to the driver's preference, it is possible to select a sliding boom crane or parallel crane for the Ergo. The sturdy and light PONSSE C44 parallel crane is flexible to use and has very low fuel consumption. Due to its simple structure

it is also reliable and easy to service. The PONSSE C4 is strong and fast, and it is a very productive option for the fans of sliding boom crane cranes. There are three options for the harvester head: small but powerful H5 for thinning, light but efficient H6 for a general harvester head, and very strong H7 for regeneration felling.

PRODUCTIVITY WITH COMPUTERS

Opti4G is a new generation information system for harvesters. It helps the driver cut trunks precisely to correct measurements and remarkably increases the productivity and processing degree of harvesting.

It is very easy to use Opti4G, because it is based on an ordinary Windows operating system and a personal computer. The computer's massive calculation power and memory capacity guarantee that bucking is quick. The precise identification of trunk shape creates an exact forecast and log

distribution. Trunk-specific information that the Opti4G saves can be utilized after several years – which is a good foundation for the development of quality systems.

A Windows operating system enables the use of versatile data transfer and map applications during harvesting. With the help of satellite positioning and electronic stand maps, the driver can, on a clear color screen, see the location of the machine, the limits of the stand and possible targets that are limited outside the harvesting.



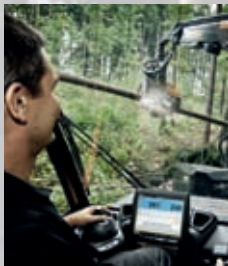
PONSSE ERGO 8W AND 6W – A POWERFUL DUO

CHOOSE THE BEST ERGO FOR YOUR FOREST



ENGINE AND HYDRAULICS

Ergo's unrivalled power comes from the effective Mercedes-Benz engine and the dual circuit hydraulic system which offer the best efficiency and utilization ratio – resulting in impressive power with low fuel consumption.



CABIN AND CONTROL SYSTEM

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



EST



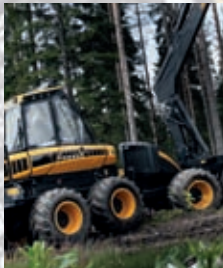
HARVESTER HEADS

Ponsse harvester heads are known for their unbeatable efficiency/weight relationship and their robust structure. Ergo offers the best harvester head selection on the market: small but powerful H5 for thinning, light but efficient H6 for a general purpose, and very strong H7 for regeneration felling.



CRANES

With Ergo you can use the efficient and fast PONSSE C4 sliding boom crane or the economical and simple PONSSE C44 parallel crane. In the dual circuit hydraulic system the crane has a separate working pump which ensures that power is available whenever needed. All Ponsse crane models are designed and manufactured by Ponsse to ensure the best quality and functionality of the crane/basic machine combination.



FRAME STRUCTURES AND FRAME LOCK

In Ergo's frame design, special attention has been paid to durability and ease of service. The reliable frame lock, equipped with hydraulic cylinders, is sturdy and works as a shock absorber when driving, which makes the machine move smoother.



EIGHT WHEELS

Ergo 8w offers the benefits of an eight-wheel machine for varying and demanding sites. Superb stability, tractive force and grip enable efficient working especially on steep hills. Due to low surface pressure it can be also used on soft and vulnerable surfaces.



ACTIVE SUSPENSION (only Ergo 6w)

The patented active suspension of Ergo 6w effectively balances the swinging directed to the driver due to the unevenness of terrain and keeps the cabin in a laterally horizontal position. The active suspension improves the driver's comfort significantly.



FIVE STAR WORKPLACE

The cabin on the PONSSE forest machine offers a glimpse into the latest forest machine technology. It provides a working environment for skilled professionals who value comfort, safety and ergonomics. The cabin frame's patented active suspension system ensures excellent working conditions for the driver. The ergonomics of controls is the top-of-the-line for forest machines and, thanks to the large cabin, wide windows and thin window pillars, the visibility from the cabin is excellent in all directions.

The new PONSSE Comfort forest machine user interface has been developed together with drivers and it utilizes years of experience. It includes new control handles, arm rests with switches and a cabin switch panel. The development work included an in-depth analysis of driver's ergonomics, habits and wishes. The analysis formed a basis which helped achieve a new level of driver ergonomics. Control handles can be selected as new ball handles or mini handles.

PONSSE ERGO

DIMENSIONS

Length:	8-wheeler 26.4 ft (8 060 mm)
	6-wheeler 25.6 ft (7 800 mm)
Width:	8-wheeler 8.8-10.2 ft (2 670-3 100 mm)
	6-wheeler 8.7 ft-9.9 ft (2 640-3 030 mm)
Transportation height:	8-wheeler 12.3 ft (3 770 mm)
	6-wheeler 12.6 ft (3 830 mm)
Minimum weight:	8-wheeler from 43 872 lbs (19 900 kg)
	6-wheeler from 37 920 lbs (17 200 kg)
Typical weight:	8-wheeler 45 195 lbs (20 500 kg)
	6-wheeler 43 652 lbs (19 800 kg)
Ground clearance	23.6 in (600 mm)

ENGINE

Model:	MB OM906LA
Power:	205 kW (275 hp)
Torque:	1100 Nm/1200-1500 rpm
Tractive force:	8-wheeler: 40 466 lbf (180 kN)
	6-wheeler: 35 969 lbf (160 kN)
Fuel tank volume:	88 gal UK (400 l)

TIRES

Front, 6-wheel:	600-34 or 710-34
Rear, 6-wheel:	600-26.5, 710-26.5 or 800-26.5
Front and Rear, 8 wheel:	600-26.5, 710-26.5 or 800-26.5

HYDRAULIC SYSTEM

PONSSE OptiControl	
Separate hydraulic circuits for the harvester head and crane	
Harvester head pumps:	11.6 cu in (190 cm ³)
Crane pump:	8.8 cu in (145 cm ³)
Hydraulic oil tank volume	77 gal UK (350 l)

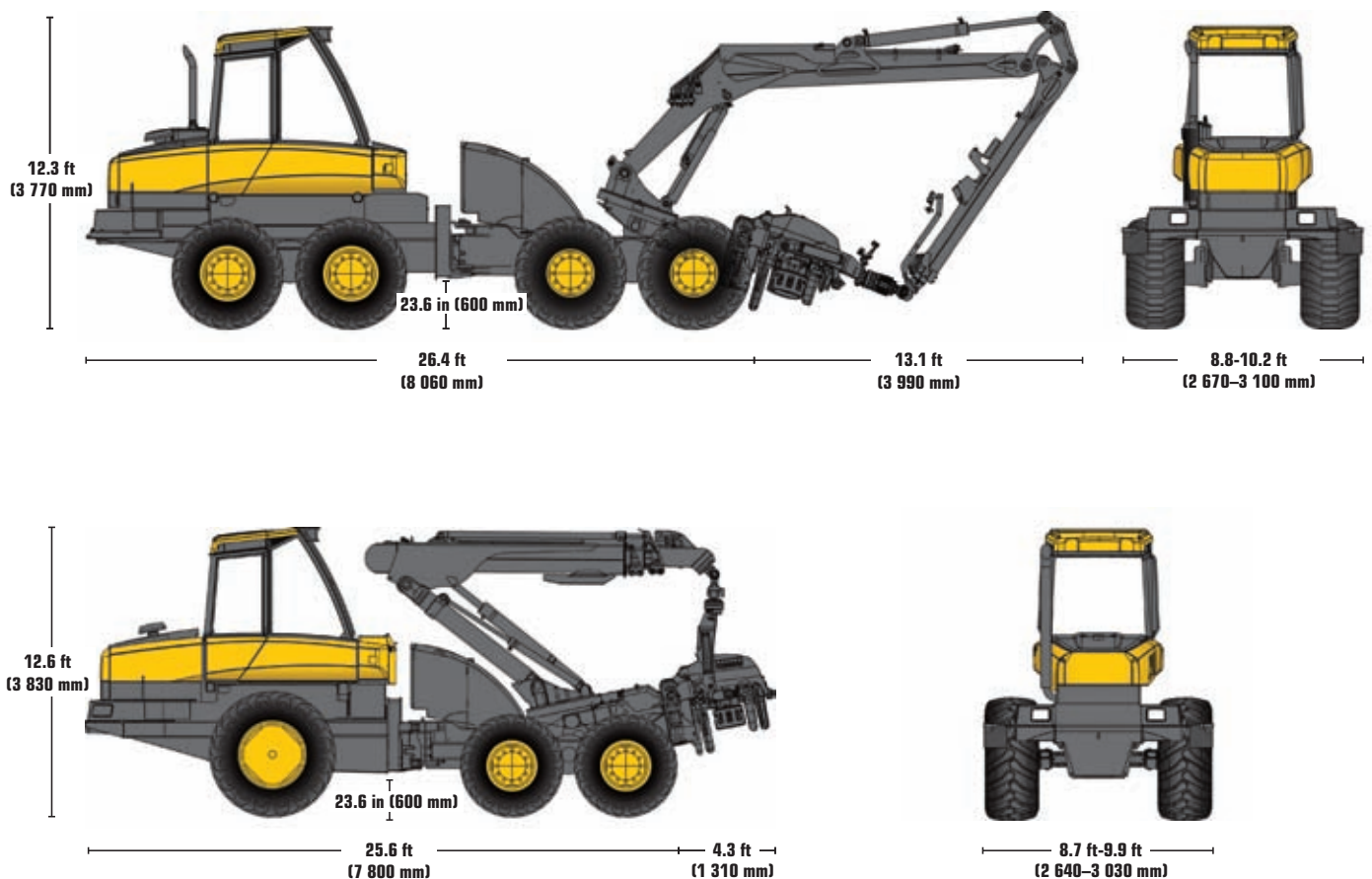
CRANE

Model:	PONSSE C4 / C33 / C44
Reach:	10-11 m
Lifting torque:	190-228 kNm
Slewing torque:	35 kNm
Turning angle:	280°
Base tilt angle:	30°

HARVESTER HEAD

PONSSE H5
PONSSE H6
PONSSE H7

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.



The manufacturer reserves the right to make technical changes and improvements.

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

Ponsse UK Ltd.

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



PONSSE Ergo 08/11 1. Eng

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