

PONSSE

PRODUCT LINE



ENGLISH

A logger's best friend
www.ponsse.com

SUSTAINABLE SOLUTIONS FOR THE BENEFIT OF OUR CUSTOMERS AND ENVIRONMENT

PONSSE

We exist for our customers and our relationship with our network is always based on trust.

Ponsse's roots are deep in the forest. Forest connects us with our customers and partners globally. We are in the centre of the forest ecosystem and our passion is to ensure its sustainability. We believe that we are part of the solution to climate change.

Our customers' needs are driving our innovations. Being close to our customers is how we continuously develop and innovate forestry solutions that make a difference.

A logger's best friend

TABLE OF CONTENTS

Harvesters

Bear	8
Ergo.....	9
Cobra.....	10
Scorpion Giant	11
Scorpion King.....	12
Scorpion.....	13
Beaver	14

PONSSE Active Seat.....	16–17
--------------------------------	--------------

PONSSE Active Cabin	18
----------------------------------	-----------

PONSSE Active Crane.....	19
---------------------------------	-----------

Forwarders

Mammoth.....	20
Elephant King.....	21
Elephant.....	22
Buffalo King	23
Bison Active Frame.....	24
Buffalo	25
Elk	26
Wisent.....	27

Forwarder Extra Display.....	28
-------------------------------------	-----------

PONSSE Synchronwinch	29
-----------------------------------	-----------

Harvester heads	30–41
------------------------------	--------------

Harvester cranes	42–43
-------------------------------	--------------

Loaders	44–47
----------------------	--------------

Information systems.....	48–49
---------------------------------	--------------

PONSSE Opti.....	50–51
-------------------------	--------------

PONSSE Manager	52–53
-----------------------------	--------------

PONSSE Simulator	54–55
-------------------------------	--------------

Bioenergy.....	56–57
-----------------------	--------------

Ponsse Worldwide.....	58–59
------------------------------	--------------



The factory in Vieremä, Finland is designed to serve customers not only in machine acquisitions but also throughout the lifespan of their products. Ponsse

designs, tests and manufactures all of the key components for its products. This way we can keep the lifespan, risk management and quality control of our key components under our own control. Our customers are able to get high-quality parts for their machines throughout the machine's lifetime. Part manufacturing and assembly operations are standardised so that our product development can produce modular product structures. Customers can flexibly select the desired components and features for their machines; our production department can satisfy these requirements and all machine product information is recorded in Ponsse's systems. During the years the machine is operational, machine part replacements, maintenance jobs and control system upgrades are automatically recorded in the system.

THE BIG PICTURE OF PRODUCTIVITY

PONSSE MAMMOTH

PONSSE Mammoth forwarder has what it takes to ensure productive operations even in the most demanding logging sites. Performing at its best in challenging situations such as plantations and long-distance transport, PONSSE Mammoth smoothly takes care of business wherever exceptional efficiency and reliability are valued.



PONSSE SCORPION GIANT

The newest member of the Scorpion family seamlessly complements the entire PONSSE harvester range. Developed according to the requests from our customers, PONSSE Scorpion Giant conveniently fulfils the gap between Scorpion King and Bear in the PONSSE harvester line-up comparison.



PONSSE BEAR

The 8-wheeler PONSSE Bear is the largest harvester in the Ponsse product range and an unbeatable powerhouse for large trees and demanding conditions.

Power	260 kW (354 hp) EU and North America 240 kW (322 hp) other countries
Crane pump	190 cm³ (11.6 cu in)
Harvester head pump	190 cm³ (11.6 cu in)
Measuring and control system	Opti 4G
Harvester heads	H7, H7 HD, H8, H8 top saw or H8 HD
Crane	C6
Minimum weight	23 800 kg (52,470 lbs)
Typical weight	24 500 kg (54,013 lbs)
Tires	26,5"



PONSSE ERGO ACTIVE FRAME*

An ergonomic and efficient harvester for demanding harvesting conditions and hilly terrain.

Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Crane pump	145 cm³ (8.85 cu in)
Harvester head pump	190 cm³ (11.6 cu in)
Measuring and control system	Opti 4G
Harvester heads	H6, H7, H7 HD Euca or H8
Crane	C5 or C44+
Minimum weight	20 500 kg (45,194 lbs)
Typical weight	21 500 kg (47,399 lbs)
Tires	Front and rear: 26,5"

* Optional



PONSSE COBRA

A multi-talented machine for all harvesting methods.

Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Working pump:	210 cm ³ (12.8 cu in)
Measuring and control system	Opti 4G
Harvester heads	H5, H6, H7 or H7 HD Euca
Crane	C5 or C44+
Minimum weight	19 800 kg (43,651 lbs)
Typical weight	20 900 kg (46,077 lbs)
Tires	26,5"



PONSSE SCORPION GIANT

The new and powerful Ponsse Scorpion Giant has what it takes to find new opportunities in efficient harvesting.

Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Crane pump	145 cm ³ (8.9 cu in)
Harvester head pump	190 cm ³ (11.6 cu in)
Measuring and control system	Opti 4G or Opti 5G
Harvester heads	H6, H7, H7 HD Euca or H8
Crane	C50+
Minimum weight	23 000 kg (50,706 lbs)
Typical weight	24 000 kg (52,911 lbs)
Tires	26,5"



PONSSE SCORPION KING

PONSSE Scorpion King offers improved productivity, cost-efficiency and comfort to the most challenging logging sites.

Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Crane pump	145 cm ³ (8.85 cu in)
Harvester head pump	190 cm ³ (11.6 cu in)
Measuring and control system	Opti 4G or Opti 5G
Harvester heads	H5, H6, H7 or H7 HD Euca
Crane	C50
Minimum weight	22 200 kg (48,943 lbs)
Typical weight	23 200 kg (51,147 lbs)
Tires	26,5"



PONSSE SCORPION

PONSSE Scorpion raises productivity and ergonomics in harvesting to a whole new level and sets the future standard for the driver's working environment.

Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Working pump	210 cm ³ (12.8 cu in)
Measuring and control system	Opti 4G or Opti 5G
Harvester heads	H5 or H6
Crane	C50
Minimum weight	21 700 kg (47,840 lbs)
Typical weight	22 700 kg (50,045 lbs)
Tires	26,5"



PONSSE BEAVER

An efficient and economical all-round machine for thinning and final felling.

Power	150 kW (204 hp) EU and North America 145 kW (197 hp) other countries
Working pump	190 cm ³ (11.6 cu in)
Measuring and control system	Opti 4G
Harvester heads	H5 or H6
Crane	C44+
Minimum weight	16 700 kg (36 817 lbs)
Typical weight	17 700 kg (39 022 lbs)
Tires	26,5"

**SWIFT, YET
POWERFUL**



PONSSE Scorpion Giant can be equipped with the H8 harvester head. Smaller heads are available for customers who mainly require more lifting power. With the new C50+ crane offering more lifting power and advanced transmission more tractive force, PONSSE Scorpion Giant is right at home in working with larger trees, even in snow, slopes, and soft grounds.

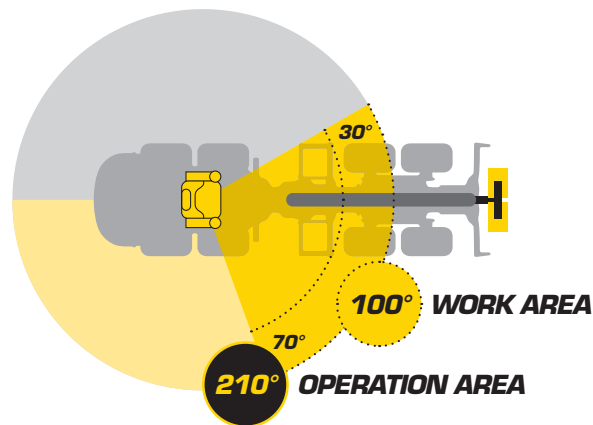


PONSSE ACTIVE SEAT

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 Active Seat is available as an option on any PONSSE forwarder that is equipped with PONSSE Active Crane.





PONSSE ACTIVE CABIN

NO PAIN, PLENTY OF GAIN

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.

Currently, Active Cabin is available as an option to PONSSE Buffalo, PONSSE Buffalo King, PONSSE Elephant, PONSSE Elephant King and PONSSE Mammoth forwarders.



PONSSE ACTIVE CRANE

LOAD FASTER - PRODUCE MORE

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. Active Crane option available for all forwarder loader models.



PONSSE MAMMOTH

PONSSE Mammoth forwarder has what it takes to ensure productive operations even in the most demanding logging sites.

Load carrying capacity	25 000 kg (55,116 lbs)
Power	210 kW (286 hp) EU and North America 220 kW (299 hp) other countries
Tractive force	320 kN (71,938 lbf)
Loader	K121 M/S
Load space cross-section	6.8 m ² (73.2 sq ft) VLA 8.0 m ² (86.1 sq ft)
Ground clearance	800 mm (31.5 in)
Minimum weight	28 500 kg (62,832 lbs)
Typical weight	28 500 kg (62,832 lbs)
Tires	28,5"

PONSSE ELEPHANT KING

The king of loads: superior carrying capacity and tractive force.

Load carrying capacity	20 000 kg (44,093 lbs)
Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Tractive force	240 kN (53,954 lbf)
Loader	K121 M/S
Load space cross-section	5.8– 6.7 m ² (62.4–72.2 sq ft) VLA 5.2–6.7 m ² (56–72 sq ft)
Ground clearance	800 mm (31.5 in)
Minimum weight	22 900 kg (50,486 lbs)
Typical weight	23 700 kg (52,249 lbs)
Tires	26,5"



PONSSE ELEPHANT

A powerful machine with great load carrying capacity and superior tractive force designed for demanding operating conditions.

Load carrying capacity	18 000 kg (39,683 lbs)
Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Tractive force	220 kN (49,459 lbf)
Loader	K121 M/S
Load space cross-section	5.8–6.25 m ² (62.4–67.3 sq ft) VLA 5.2–6.7 m ² (56–72 sq ft)
Ground clearance	800 mm (31.5 in)
Minimum weight	22 000 kg (48,502 lbs)
Typical weight	22 800 kg (50,265 lbs)
Tires	26,5"



PONSSE BUFFALO KING

The king-size carrier of heavy loads.

Load carrying capacity	18 000 kg (39,683 lbs)
Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Tractive force	190 kN (47,210 lbf)
Loader	K100+ M/S, K101 M/S or K111 M/S
Load space cross-section	5.2–5.8 m ² (56–63 sq ft)
Ground clearance	730 mm (28.7 in)
Minimum weight	20 600 kg (45,415 lbs)
Typical weight	21 100 kg (46,517 lbs)
Tires	26,5"



PONSSE BISON ACTIVE FRAME

Unprecedented forwarder productivity.

Load carrying capacity	16 000 kg (35,274 lbs)
Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Tractive force	210 kN (44,961 lbf)
Loader	K90+ M/S, K100+ M/S, K101 M/S or K111 M/S
Load space cross-section	4.5–5.5 m ² (48.4–59.2 sq ft) VLA 4.5–6.0 m ² (48.4–64.6 sq ft)
Ground clearance	680 mm (27 in)
Minimum weight	22 000 kg (48,500 lbs)
Typical weight	22 600 kg (49,824 lbs)
Tires	26,5"



PONSSE BUFFALO

Guaranteed power and comfort.

Load carrying capacity	14 000 kg (30,865 lbs) 15 000 kg (33,069 lbs) with balanced bogies
Power	210 kW (286 hp) EU and North America 205 kW (275 hp) other countries
Tractive force	185 kN (41,589 lbf)
Loader	K90+ M/S, K100+ M/S, K101 M/S or K111 M/S
Load space cross-section	4.5–5.5 m ² (48.4–59.2 sq ft) VLA 4.5–6.0 m ² (48.4–64.6 sq ft)
Ground clearance	680 mm (26.8 in)
Minimum weight	18 600 kg (41,005 lbs)
Typical weight	19 800 kg (43,651 lbs)
Tires	26,5"



PONSSE ELK

The most powerful forwarder in its size category, it offers sturdy performance for hilly and rocky terrain.

Load carrying capacity	13 000 kg (28,660 lbs)
Power	150 kW (204 hp) EU and North America 145 kW (197 hp) other countries
Tractive force	175 kN (39,341 lbf)
Loader	K70+ M or K90+ M/S
Load space cross-section	4.5–5.0 m ² (48.4–53.8 sq ft) VLA 4.5–6.0 m ² (48.4–64.6 sq ft)
Ground clearance	670 mm (26.38 in)
Minimum weight	17 700 kg (39,022 lbs)
Typical weight	18 800 kg (41,447 lbs)
Tires	26,5"



PONSSE WISENT

A powerful all-around forwarder suitable for various tasks from thinning to final felling.

Load carrying capacity	12 000 kg (26,455 lbs)
Power	150 kW (204 hp) EU and North America 145 kW (197 hp) other countries
Tractive force	165 kN (37,093 lbf)
Loader	K70+ M
Load space cross-section	4.0–4.5 m ² (43.1–48.4 sq ft)
Ground clearance	645 mm (25.4 in)
Minimum weight	16 300 kg (35,935 lbs)
Typical weight	17 300 kg (38,140 lbs)
Tires	26,5"



PONSSE FORWARDER EXTRA DISPLAY

Seeing things from a different angle

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 SYNCHROWINCH

PONSSE traction assistance winch helps achieve high productivity in steep ground operations. It preserves soil from rutting and erosion, saves fuel and reduces stress in drive transmission components. The winch cable is hooked into a tree or a stump uphill, and the driving speed is automatically synchronized to machine driving speed.

PONSSE Synchronwinch is available for PONSSE Cobra, Ergo and Bear harvesters and Buffalo, Elephant and Elephant King forwarders.



HARVESTER HEADS

The PONSSE harvester head collection covers the entire range of harvesting needs, from energy wood harvesting to heavy-duty regeneration felling. PONSSE harvester heads are widely used in both wheeled and tracked base machines. All PONSSE models offer productivity and accuracy as well as durability and long service life.

STRONG, RELIABLE STRUCTURE

- Durability through high-grade materials and good design
- Correct frame length to control the stems well but also pass curves
- Service friendly

WIDE FEED ROLLER GEOMETRY

- Even large stems are carried underneath by feed rollers, improving grip and lowering friction
- Allows lower pressure settings, giving higher effectiveness and lower fuel consumption

FAST SAWING

- Large saw motor gives high speed and lots of power
- Good saw geometry prevents bending saw bars and cracking trees
- Large sawing diameter to handle flares at the base of the tree

ACCURATE FEEDING TO LENGTH

- Controlled acceleration and deceleration
- Large tilt angle allows smooth head feed without hitting tilt frame stoppers causing less stress

STRONG FEEDING

- Balance of high power and speed in different harvester head size classes
- Optional motor sizes to fit different needs

CLEAN DELIMBING

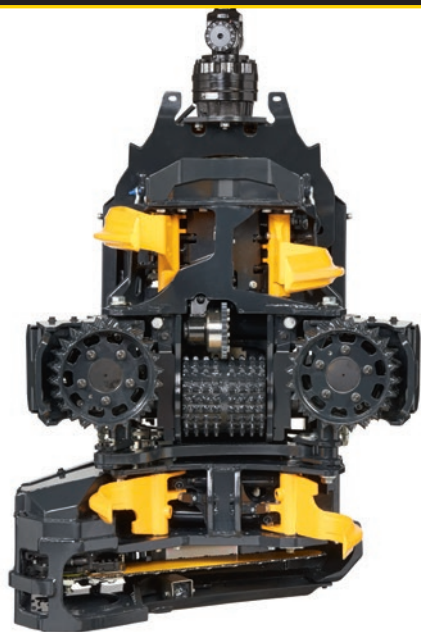
- Long knives to grab trees easily
- Four optimally designed movable knives and one adjustable bolted top knife ensures clean delimbing result
- Longer processor knives and rear knife available as options

ADVANCED OPTI SYSTEM

- Accurate measuring
- Easy settings
- Useful and easy-to-use reporting program
- Possibility to use GPS positioning, data transfer and different kinds of Windows-compatible software

WIDE VARIETY OF OPTIONS, SUCH AS

- Top saw
- Saw chain grease lubrication
- Heavy-duty version for tracked carriers
- Saw box lights
- Processor knives
- Bolted rear knife
- Find end sensor



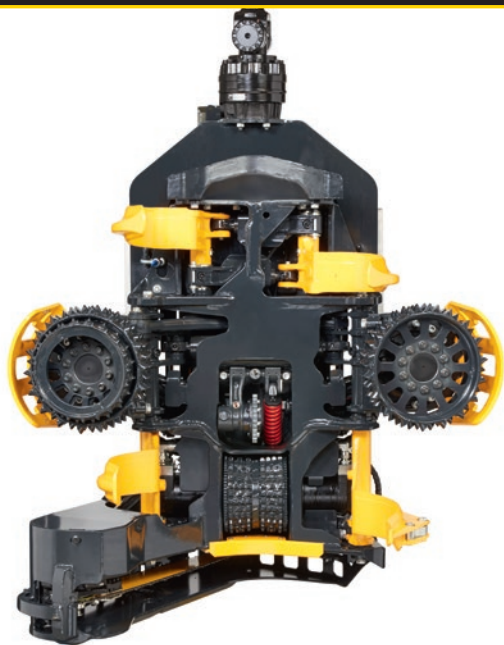
PONSSE H5

Maximum opening (feed rollers)	530 mm (20.8 in)
Cutting diameter, one pass	640 mm (25.2 in)
Feed system	3 driving feed rollers
Feed force	19 kN (4,271 lbf)
Feeding speed	6 m/s (19.7 ft/s)
Starting weight from	900 kg (1,984 lbs)



PONSSE H6

Maximum opening (feed rollers)	600 mm (23.6 in)
Cutting diameter, one pass	640 mm (25.2 in)
Feed system	3 driving feed rollers
Feed force	25 kN (5,620 lbf)
Feeding speed	6 m/s (19.7 ft/s)
Starting weight from	1 050 kg (2,315 lbs)



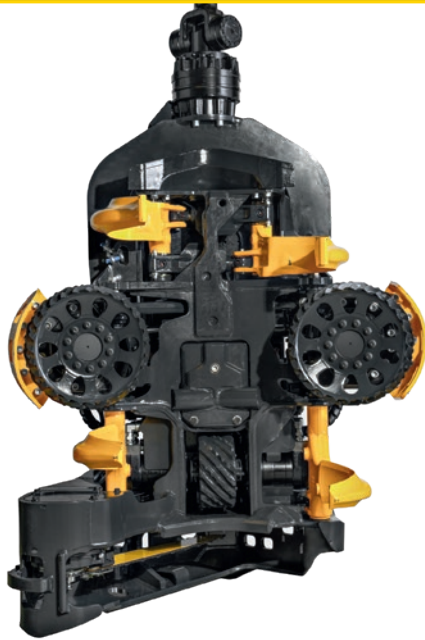
PONSSE H7

Maximum opening (feed rollers)	650 mm (25.6 in)
Cutting diameter, one pass	640/720 mm (25.2/28.3 in)
Feed system	3 driving feed rollers
Feed force	30 kN (6,744 lbf)
Feeding speed	5 m/s (16.4 ft/s)
Starting weight from	1 150 kg (2,535 lbs)



PONSSE H7 HD

Maximum opening (feed rollers)	650 mm (25.6 in)
Cutting diameter, one pass	640 mm (25.2 in)
Feed system	3 driving feed rollers
Feed force	30 kN (6,744 lbf)
Feeding speed	5 m/s (16.4 ft/s)
Starting weight from	1 200 kg (2,646 lbs)



PONSSE H7 HD EUCA

Maximum opening (feed rollers)	630 mm (24.8 in)
Cutting diameter, one pass	640 mm (25.2 in)
Feed system	3 driving feed rollers
Feed force	30 kN (6,744 lbf) + 25 kN (5,620 lbf)
Feeding speed	5 m/s (16.4 ft/s)
Starting weight from	1 300 kg (2,866 lbs)



PONSSE H8

Maximum opening (feed rollers)	740 mm (29.1 in)
Cutting diameter, one pass	CT+: 660/790 mm (26.0/31.1 in) C150: 650/785 mm (25.6 / 30.9 in)
Saw bar length	820/900 mm (32.2 / 35.4 in)
Feed system	3 driving feed rollers
Feed force	30 kN (6 744 lbf) 36 kN (8 093 lbf) 25–37,2 kN (5 620–8 363 lbf)
Feeding speed	0–4,5 m/s, 0–5 m/s, 0–5,8 m/s
Starting weight from	1 400 kg (3,086 lbs)



PONSSE H8 HD

Maximum opening (feed rollers)	740 mm (29.2 in)
Cutting diameter, one pass	720/800 mm (28.3/31.5 in)
Feed system	3 driving feed rollers
Feed force	36 kN (8,093 lbf)
Feeding speed	5 m/s (16.4 ft/s)
Starting weight from	1 450 kg (3,198 lbs)
Options	top saw



PONSSE H8 HD EUCA

Maximum opening (feed rollers)	740 mm (29.2 in)
Cutting diameter, one pass	640/720/800 mm (25.2/28.3/31.5 in)
Feed system	3 driving feed rollers
Feed force	30 kN (6,744 lbf) + 25 kN (5,620 lbf)
Feeding speed	5 m/s (16.4 ft/s) + 6 m/s (19.8 ft/s)
Starting weight from	1 450 kg (3,198 lbs)
Options	top saw



PONSSE H9

Maximum opening (feed rollers)	930 mm (36.6 in)
Cutting diameter, one pass	950 mm (37.4 in)
Feed system	4 driving feed rollers
Feed force	39 kN (8,770 lbf)
Feeding speed	4.7 m/s (15.4 ft/s) or 5.7 m/s (18.7 ft/s)
Starting weight from	2 150 kg (4,730 lbs)
Options	top saw

H9 is for track based machines over 24 tons.



PONSSE H10

Maximum opening (feed rollers)	895 mm (35.2 in)
Cutting diameter, one pass	950 mm (37.4 in)
Feed system	3 driving feed rollers
Feed force	43 kN (9,667 lbf)
Feeding speed	max. 4 m/s (17 ft/s) at 90 gpm (340 l/min)
Starting weight from	2 600 kg (5,732 lbs)

H10 is for track based machines over 25 tons.



PONSSE C5 AND C6 SLIDING BOOM CRANES

Ponsse's versatile harvester crane selection provides special power and extra reach for all conditions.

The PONSSE C5 crane is delivered with external or internal hydraulic hoses. The PONSSE C6 is always delivered with internal hoses.

At our customer's request, the boom head has been developed so that it allows the use of a multi-plate swing damper at the top of the pivot, which allows the harvester head to be used in a quicker and more controlled way.

PONSSE C5	
Reach	8,6/9,5/10 m (28/31/33 ft.)
Lifting moment	248 kNm

PONSSE C6	
Reach	8,6/10 m (28/33 ft.)
Lifting moment	310 kNm

PONSSE C44+ AND C50 PARALLEL CRANES

The flexible usability, lightness and excellent efficiency of the Ponsse parallel cranes guarantee efficient and economical performance. PONSSE C44+ represents the cutting-edge of this development. The easy control and stability brought about by the light structure increases the productivity of the work, while the efficient movements reduce fuel consumption.

The PONSSE C44+ and C50 parallel cranes expand harvesting possibilities to cover all harvesting conditions more efficiently than ever before.

PONSSE C44+	
Reach	8,6/10/11 m (28/33/36 ft.)
Lifting moment	230/250 kNm

PONSSE C50	
Reach	8,6/10/11 m (28/33/36 ft.)
Lifting moment	265 kNm



LOADERS

Forwarders spend most of their operating time loading. The speed, control and power of the loader are key factors for efficient and productive forwarding. PONSSE loaders meet these challenges by offering extreme performance for their size, extensive hydraulics capacity and the advanced Opti Control system.

PONSSE loaders feature booms made from high-strength steel and high-quality cast components that guarantee performance even in the most extreme conditions. The built-in solution protects hoses from branches, thus increasing the service life of the hoses.

The PONSSE K70+ is a modern loader for small and medium-weight forwarders. The PONSSE K90+ and PONSSE K100+ are sturdier loaders that provide power and durability for larger logging sites. The new PONSSE K111 and K101 loaders complement the product range, which already includes the heavy duty K121. They all have a new and more durable structure, designed in collaboration with operators of the machines. The result is an unprecedented sense of power and precision, as well as a durable structure.

PONSSE K70+

Lifting moment, gross	106 kNm (78,181 lb-ft)
Slewing torque	24.5 kNm (18,070 lb-ft)
Operating pressure	235 bar (3,410 psi)
Reach, M	10 m (32.8 ft)

PONSSE K90+

Lifting moment, gross	140 kNm (103,259 lb-ft)
Slewing torque	33 kNm (24,340 lb-ft)
Operating pressure	265 bar (3,844 psi)
Reach, S/M	7.8/10 m (25.6/32.8 ft)

PONSSE K100+

Lifting moment, gross	160 kNm (115,797 lb-ft)
Slewing torque	33 kNm (24,340 lb-ft)
Operating pressure	265 bar (3,844 psi)
Reach, S/M	7.8/9.5 m (25.6/31.2 ft)



PONSSE K101

Lifting moment, gross	140 kNm (103,259 lb-ft)
Slewing torque	40 kNm (29,502 lb-ft)
Operating pressure	265 bar (3,844 psi)
Reach, S/M	8,1/10 m (27/33 ft)

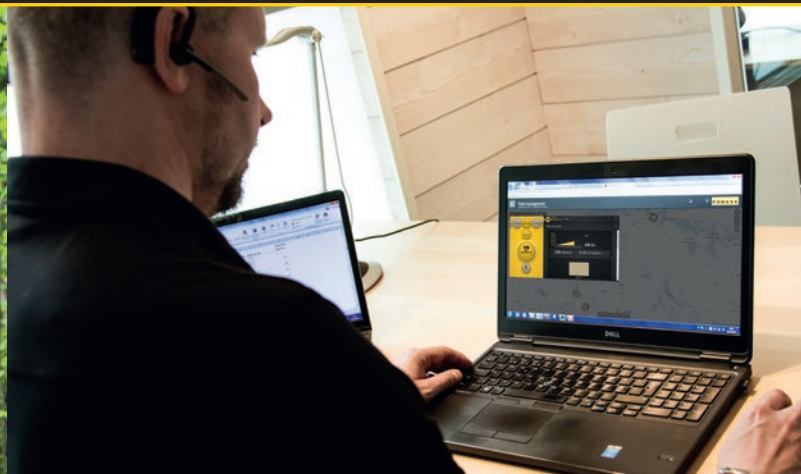
PONSSE K111

Lifting moment, gross	160 kNm (115,797 lb-ft)
Slewing torque	40 kNm (29,502 lb-ft)
Operating pressure	265 bar (3,844 psi)
Reach, S/M	8,1/10 m (27/33 ft)



PONSSE K121

Lifting moment, gross	195 kNm (143,824 lb-ft)
Slewing torque	48 kNm (35,403 lb-ft)
Operating pressure	265 bar (3,844 psi)
Reach, S/M	8/10 m (26/33 ft)



INFORMATION SYSTEMS

BEST FEATURES OF INFORMATION TECHNOLOGY THAT HELPS THE OPERATOR

User friendliness is the guiding thought behind Ponsse's continuously evolving Opti forest machine systems. The design takes into account the wishes of operators along with the requirements of forest companies. The PONSSE Opti product family consists of machine control and work management systems for harvesters, forwarders and track-based applications.

HARVESTER INFORMATION SYSTEMS:

Opti 4G • Opti 5G • Opti Control • Opti 8

FORWARDER INFORMATION SYSTEMS:

Opti 4G • Opti Control • Load Optimizer + Opti 8

MAPS FOR HARVESTERS AND FORWARDERS

Opti Map 2

OFFICE, OPTIMISATION CONTROL:

Opti Editor • Opti Simu • Opti Stem

OFFICE, MONITORING HARVESTING RESULTS AND MEASURING:

Opti Report • PONSSE Manager

SYSTEMS FOR TRACK-BASED FOREST MACHINES:

Opti 7 • Opti 4G + Opti Control



PONSSE OPTI

The PONSSE Opti software product line includes tools for harvesting and forwarding, harvesting control, creating harvesting instructions and stand maps, reporting and follow-up functions. The Opti software allows you to create harvesting plans for many sites in advance from one location, and send the harvesting instructions to the forest machines. The software applications are seamlessly integrated and create a complete procurement control system.

OPTI 4G CREATES SEAMLESS TEAMWORK BETWEEN OPERATOR AND MACHINE

PONSSE harvesters use the Opti 4G information system, which is the most user-friendly and advanced on the market. Opti 4G is the operator's user interface with the machine control system. In addition, it handles all of the operations required for cutting from data transfer to optimising and reporting.

NEW PONSSE OPTI 8

PONSSE Opti 8 is a state-of-the-art touchscreen computer designed for PONSSE forest machines. User-friendliness, a large high-resolution display, high ergonomics in the cabin and responsiveness form the basis of the technical and visual design of the PONSSE Opti 8 computer: all factors that improve the working conditions of forest machine operators.



PONSSE MANAGER

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.

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.

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.

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.

PONSSE SIMULATOR

PONSSE FULL SIMULATOR

PONSSE FULL is, as the name suggests, a full-range simulator system. It forms a training environment around the user, which is as close to a real forest machine environment as possible. The genuine PONSSE Opti information system for harvesters and forwarders, combined with excellent ergonomics for the operator, makes long-term learning not only enjoyable, but also fun. The PONSSE Full simulator is equipped with three screens, offering a very wide and real-like field of vision.



PONSSE MULTI SIMULATOR

PONSSE Multi simulator is an excellent tool for showing both current and future loggers how every stage of harvesting, all the way from cutting to loading, is carried out properly. A fixed seat and joysticks that fully resemble real ones ensure genuine experience throughout the process. PONSSE Multi is an excellent device for all orientation, training, and revision purposes – regardless of the logger's skill level, experience, or harvester brand. Both the functions of the crane and loader as well as the grapple and harvesting head have been programmed to be precisely like those of a real machine, valid as such for every harvester brand. PONSSE Multi comes with a SimTrainer training system.



PONSSE COMPACT SIMULATOR

PONSSE COMPACT is the next-generation compact learning environment that is distinguished not only by its small size, but also its usability and great-looking Ponsse design. PONSSE Compact makes forest machine operator training both comfortable and mobile. It contains the Opti 4G software and the Full Ponsse Simulator practice functions, and can additionally be equipped with the comprehensive SimTrainer training management system. Compact can be moved easily from one classroom or school to another on its own wheels. At the same time, it is a very versatile system with genuine switches, an integrated computer and a stylish look. A sufficiently large and high-resolution display makes learning comfortable, ergonomic and precise.



PONSSE BASIC SIMULATOR

PONSSE BASIC is a true mobile simulator. Take it with you wherever you are, attach it to the table and the exercise can begin. The Basic Simulator is made simple by leaving out eg. Opti system and drive pedals. Handles are genuine forest machine controls with easy-to-learn, pre-programmed control buttons and the machine are driven by the integrated travel switch. The learning experience is close to genuine forest machine work despite its light and simple construction. PONSSE Basic Simulator includes PONSSE Ergo and PONSSE Buffalo base machines as well as standard Basic Sim Trainer training management system.





PONSSE BIOENERGY

Economical harvesting of energy wood requires effective and productive methods. PONSSE Bioenergy products make harvesting of energy and small wood flexible and effective.

POWER THROUGH MULTI-STEMMING

The multi-stemming feature of harvester heads is the solution for harvesting partially delimbed wood, undelimbed pulpwood and energy wood. The selection is wide-ranging: all standard PONSSE harvester heads of different sizes are suitable for multi-stemming, either as such or equipped with minor optional equipment.



VARIABLE LOAD SPACES

Ponsse's mechanically or hydraulically variable load spaces bring a new type of flexibility and efficiency to harvesting of different sites. The variable load space makes industrial wood harvesting easier and increases the load volume in energy wood harvesting by bringing harvesting productivity to a new level, as the machine capacity is better utilised.

PONSSE LOAD OPTIMIZER LOAD SCALE

The PONSSE Load Optimizer load scale is the perfect solution for weighing loads: it weighs, sorts, saves and manages load data automatically while working.

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A logger's best friend

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