

PONSSE

*A REAL BEAST OF
A HARVESTER*

SCORPION



PONSSE SCORPION

THE MOST BALANCED PERFORMANCE

In 2013, something completely new was introduced. In the eyes of the whole world, the symbol of modern forest machines, the awarded and recognised icon of the industry saw the light of day. That was when the forest machine industry changed. Now, it is time for a new change. The new **PONSSE SCORPION** is here.

The design of the first PONSSE Scorpion was based on the operator. It still is – even more than before. The operator's wellbeing is a prerequisite for productivity. So, we focused on designing as good a workplace as possible. An unprecedentedly amazing workplace.

NEW PONSSE FUTURE CABIN

The best properties are the same as before, but this time, they have been improved even further in close cooperation with Scorpion customers. Visibility in daylight and in the dark is one of the most important advantages of PONSSE Scorpion, along with the stability of the machine, and especially the cabin, in challenging conditions as well. These, combined with good ergonomics, are what make Scorpion an attractive machine for operators. When operators enjoy their work, they are more productive.



PONSSE SCORPION

STABILITY UNDER ALL CONDITIONS

The incredible stability of PONSSE Scorpion comes from its eight wheels and active system. This patented system is based on detecting the crane direction and position, on the basis of which the rear frame is pressed in the working direction. Pressing the rear wheels against the ground and the weight of the rear frame improve the machine's stability significantly when working on the side of the machine – also when the machine is moving.

NEW PONSSE FUTURE CABIN

More space, high-quality materials and a stylish design raise the comfort of the machine cabin to an entirely new level. In this machine, the atmosphere is everything but rough. When the door is closed from the outside world and everything is quiet, stylish and in its right place, the atmosphere is closer to a fancy car than a work machine.

ENGINE AND HYDRAULICS

The engine and strong hydraulics produce more than enough power, both in harvesting and transmission. Scorpion is equipped with single-circuit hydraulics, well-suited for varying harvesting conditions. Scorpion King has a powerful two-circuit hydraulic system, particularly good in regeneration felling. The power, torque and fuel economy of the Mercedes-Benz are better than ever. The advanced transmission offers excellent handling and machine control – especially in demanding conditions and uneven terrain.

LEVELLING

The Cabin leveling balances the cabin in difficult terrain. The frame of the machine consists of three parts linked by rotating joints. The cabin and crane are located in the middle frame, which is kept hydraulically balanced, while the front and rear frames tilt according to the terrain. The pivot point of lateral leveling is very low, which not only keeps the cabin straight, but also minimizes any lateral swaying and keeps the centre of mass at the machine's centre line.

EIGHT WHEELS

The incredible stability of the PONSSE Scorpion comes from its eight wheels and active stabilisation system. The unique stabilisation system is based on detecting the direction and position of the crane, and then pressing the rear wheels against the ground and the weight of the rear frame improve the machine's stability significantly when working on one side – including when the machine is moving. Excellent movement and balanced weight distribution in all situations guarantee a low surface pressure.

HARVESTER ACTIVE CRANE

Active Crane is like an arm that can reach for the trunk without needing to think through every motion. It makes the crane easier to use, helping new operators in particular to work more economically and without stressing the machine's structures. The boom's end damping prevents shocks in extreme positions. This reduces the stress on the crane and improves comfort. The solution is technically simple and remains reliable even in extreme conditions.

CRANE

The PONSSE C50 crane has unique geometry and a two arm lift boom that moves over the cabin offering excellent visibility and balance. The C50 crane also offers unbeatable movement geometry that can maneuver up to 11 m.

HARVESTER HEADS

PONSSE harvester heads are known for their high efficiency/weight ratios and durable structure, which are second to none. A broad harvester head range is available for Scorpion.





NEW PONSSE FUTURE CABIN

WITH A VIEW

It is all about the operator.

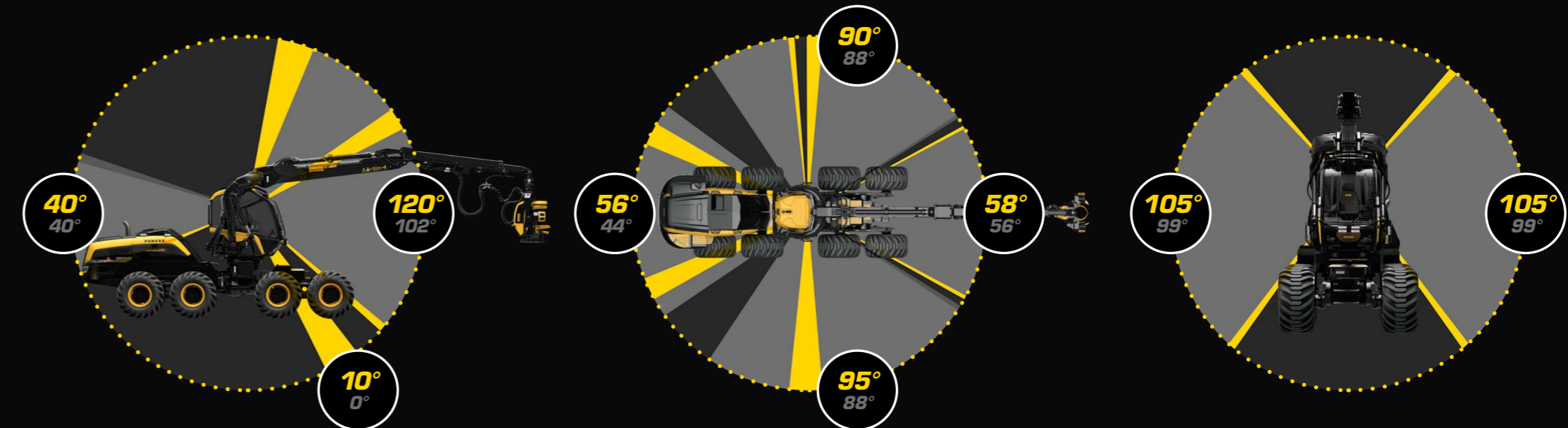
The NEW PONSSE Future Cabin is a completely new cabin filled with improved properties. Further improved visibility is one of the most important features. The windows are now more curved and uniformed all the way to the roof. The window material is laminated polycarbonate, which is stronger than the material used before, with improved optical and strength properties. The windows meet the requirements of the ISO 21876:2020 saw chain shot standard. The operator can check the location of the front wheels and any obstacles through the small windows in the lower part of the cabin. The left B-pillar has been moved backwards, and the right B-pillar has been removed altogether to offer an unobstructed visibility on both sides. The cabin now has more space for the operator and their belongings. However, the more stylish and enjoyable interior design is one of the most visible new features. The new turning seat, the PONSSE Opti 8 touchscreen, and its completely new and revolutionary PONSSE Opti 5G information system also increase comfort.



PONSSE SEAT

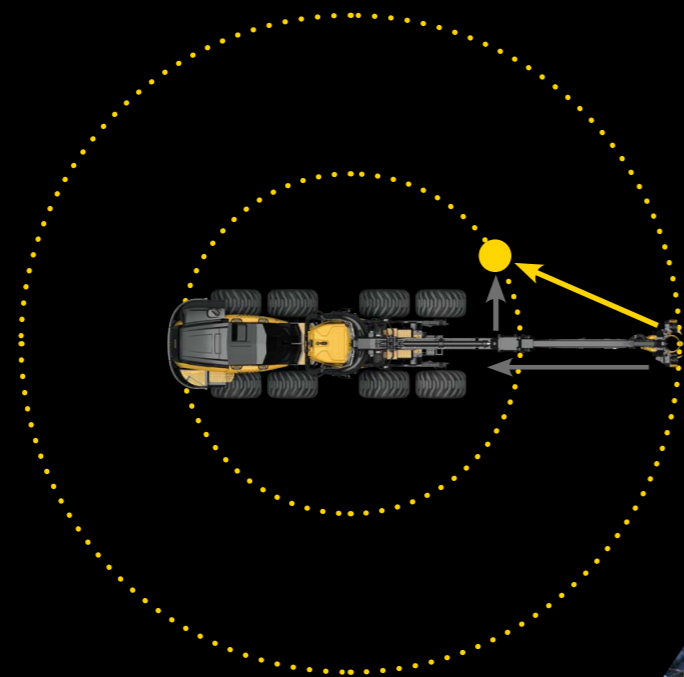
The breathable fabric and ergonomic seat supports, guarantee improved working comfort. Seat fabric is especially durable and the dirt repellent surface makes cleaning effortless. A strong base provides the seat with superior reliability and stability. Thanks to the suspension specifically designed for forest machines, the PONSSE Seat effectively decreases swinging and impacts towards the operator. All adjustment controls are conveniently located at the front of the seat cushion. The removable cushion gives easy access to the seat base for maintenance.

SCORPION 2021 SCORPION 2015



HARVESTER ACTIVE CRANE

New Harvester Active Crane system makes the crane even easier to use. The operator does not need to control different joint movements: they only need to move the harvester head in the desired direction at the desired speed. End damping smooths operations crane movements, reducing stress to the crane and operator, as there is no sudden swaying or jolting. Active Crane also helps new operators to learn economical working methods that save the machine. Only one additional module has been added to the crane, and the extension cylinder now includes a magnetic sensor, ensuring simple and reliable technological solutions. Harvester Active Crane, available as an option, requires the Opti 5G control system.

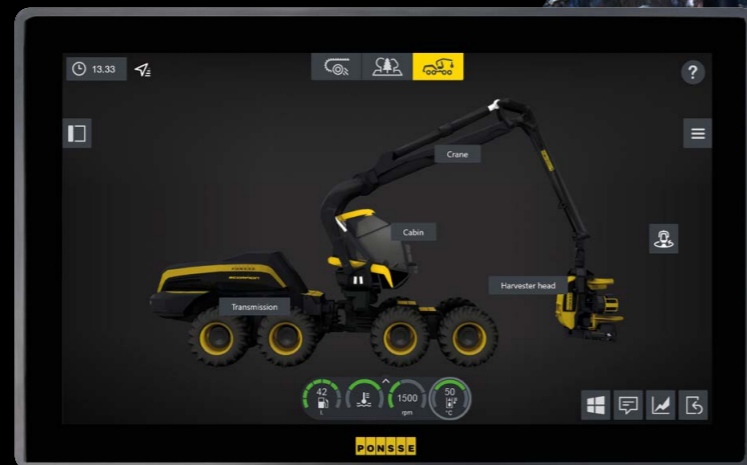


PONSSE OPTI 5G – THIS IS THE FUTURE OF HARVESTING *

PONSSE Opti 5G is here. Fast, user-friendly and made for operators, it is effortless to use. Clear logic makes the system possible to learn even without reading the manual. The transition from old to new is also exceptionally easy.

Daily routines and tuning can be done in a second without wading through menus, and frequently used functions have been streamlined.

The data produced by Opti 5G is used in digital services. You can monitor fleet operations and location, as well as manage transport. An upgraded Eco Drive feeds the operator real-time information for optimising their work and the machine's performance.



* Market area-specific differences applies in the availability of Opti 5G





**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 -MOTORS

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 a Tier 4F or Stage III level Mercedes-Benz engines are used depending on market specific emission requirements.

PONSSE SCORPION



DIMENSIONS

Length:	8 020 mm (316 in)
Width:	2 630 - 3 085 mm (103.5-121.4 in)
Transportation height:	3 720 mm (147 in)
Minimum weight:	21 700 kg (47,840 lbs)
Typical weight:	22 700 kg (50,045 lbs)
Ground clearance:	655 mm (25.8 in)

ENGINE

Model:	Mercedes-Benz OM936 LA (EU and NA) or Mercedes-Benz OM906 LA (other countries)
Power:	EU and NA: 210 kW (286 hp) Other countries: 205 kW (275 hp)
Torque:	1 200-1 600 rpm (EU and NA: 1 200 Nm, other countries: 1 100 Nm)
Tractive force:	170 kN (38,217 lbf)
Fuel tank volume:	410 l (108 gal US) / 320 l (84.5 gal US)*

* with stump treatment option

TIRES

Front and rear:	600/55-, 710/45- or 800/40-26,5"
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HYDRAULIC SYSTEM

Control system:	Ponsse Opti Control
Working pump:	210 cm ³ (12.8 cu in) ³
Hydraulic oil tank volume:	280 l (74 gal US)

CRANE

Model:	PONSSE C50
Reach:	10/11 m (33/36 ft)
Lifting moment:	265 kNm
Slewing torque:	57 kNm
Turning angle:	280°
Crane tilt angle:	front/rear ±15°, sideways ±12°

HARVESTER HEAD

Model:	PONSSE H5
	PONSSE H6

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



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