A REAL BEAST OF A HARVESTER
Incredible visibility and steering, unbeatable stability, power and productivity – bearing the environment in mind and with minimum surface pressure. The new PONSSE Scorpion raises productivity and ergonomics in harvesting to a whole new level and sets the future standard for the driver’s working environment.

**Focus on the driver**
In the PONSSE Scorpion, the focus is truly on the driver. The eight-wheeled Scorpion offers the best possible setting for efficient and productive work. The unique new crane solution offers excellent visibility in all directions, enabling smooth, flexible working whatever the conditions. Good visibility on both sides of the cabin allows for efficient and unlimited operation – the trees to be felled, felling direction and position of piles can be selected freely, keeping efficiency and eco-friendliness in mind.

As the cabin is located in the middle of the machine, the driver can easily see to the extremes of even dense thinning routes. Moreover, the driver is positioned in the middle of the cabin’s turning circle: when the cabin turns, the driver does not feel like he is on a carousel. This has a significant effect on comfort and well-being at work.

**Stable in all conditions**
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 frame in the direction of work. 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.

In addition to cabin levelling, stability helps to offer ergonomic working conditions for the driver.
EXCELLENT LEVELLING

PONSSE Scorpion’s axis point of lateral levelling is as low as possible so that the cabin and crane not only remain levelled, but also the sideways movement is minimized. At the same time the balance point of the crane remains near the machine’s center line, improving stability.
THE RIGHT DESIGN
FOR THE JOB
EIGHT WHEELS
Excellent movement and balanced weight distribution in all situations guarantee a low surface pressure.

VISIBILITY, COMFORT AND SAFETY
The chassis, which is equipped with two rotating joints, follows the terrain in an unprecedented manner. The most comfortable cabin ever seen in forests guarantees that work is efficient, even during the final hours of long shifts.

EIGHT WHEELS
Excellent movement and balanced weight distribution in all situations guarantee a low surface pressure.

LEVELLING
The triple-frame structure offers a low pivoting point, resulting in the best possible comfort.

ENGINE AND HYDRAULICS
The 210 kW engine and working pumps (210 cm³ in the PONSSE Scorpion and 145 cm³ + 190 cm³ in the PONSSE ScorpionKing) produce economical power.

STABILISATION
The intelligent stabilisation system monitors the position of the crane and continually presses the rear frame in the direction of the weight, offering the best stability on the market.
**LEVELLING**

1. **ROTATING JOINTS AND FRAME LEVELLING**
   Scorpion frames are linked by rotating joints so that the middle frame is kept hydraulically levelled. Position of the frames are followed by precise and robust sensor modules.

2. **LONGITUDINAL LEVELLING**
   The cabin is kept longitudinally levelled using the levelling cylinders between the middle and front frame.
NOW YOU CAN REALLY ENJOY YOUR WORK!

In designing the PONSSE Scorpion, we abandoned old ideas and created a forest machine for a new era, taking efficiency, accuracy, visibility and comfort to the extreme, with the aim of building the world’s best working environment.

The rotating, levelled cabin makes sure the driver’s eyes are always on the crane and offers stable working conditions – even while driving. The PONSSE Scorpion offers the best possible visibility.

The clear PONSSE Opti4G system quickly provides the driver with all the necessary information about harvesting and machine operations. Optimally positioned handles, armrests with switches, and control panels make working smooth and ergonomic – you can easily work for longer. You can choose between PONSSE Comfort ball handles or mini handles.

IMRESSIVE STABILISATION SYSTEM

The sensors between the cabin and crane slewing keep the system notified of the slewing direction of the crane, whereas the sensors in the crane’s lower joint monitor the position of the crane. Hydraulic pressure sensors detect the pressure in the lifting cylinder, which allows the control system to feed the required amount of pressure to the stabilisation cylinder on the side of the crane. The pressure is actively adjusted as necessary.

The stabilisation system is also active during driving, offering stable working conditions even when the machine is moving. The advanced system stops the machine if there is not enough stabilisation force to keep the machine upright.
**PONSSE SCORPION**

**DIMENSIONS**

Length: 316 in (8020 mm)
Width: 104–112 in (2640–2840 mm)
Transportation height: 147 in (3720 mm)
Minimum weight:
- Scorpion: 45,856 lbs (20 800 kg)
- ScorpionKing: 46,958 lbs (21 300 kg)
Typical weight:
- Scorpion: 47,399 lbs (21 500 kg)
- ScorpionKing: 48,501 lbs (22 000 kg)
Ground clearance: 25.8 in (655 mm)

**ENGINE**

Model: Mercedes-Benz 6R1000
Power: 286 hp (210 kW)
Torque: 1150 Nm (1400–1600 rpm)
Tractive force: 38,216 lbf (170 kN)
Fuel tank volume: 70.4 gal UK (320 l)

**TIRES**

Front and rear: 600/55-26.5’ / 710/45-26.5’

**HYDRAULIC SYSTEM**

PONSSE OptiControl
Working pump:
- Scorpion: 12.8 cu in (210 cm³)
- ScorpionKing: 9.9–11.6 cu in (145 + 190 cm³)

Hydraulic oil tank volume: 61.6 gal UK (280 l)

**CRANE**

Model: PONSSE C50
Reach: 34/36 ft (10.3/11 m)
Lifting torque: 252 kN.m
Slewing torque: 57 kN.m
Turning angle: 280°
Base tilt angle: front/rear ±15°, sideways ±12°

**HARVESTER HEAD**

Model:
- PONSSE H5
- PONSSE H6
- PONSSE H7 (ScorpionKing)

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.

Plonsse Plc is committed to continuous product development and innovation. Ponsse has filed several priority patent applications related to the technologies and technical solutions used in the PONSSE Scorpion harvester.
The manufacturer reserves the right to make technical changes and improvements.