

PONSSE



DUAL

HARWARDER

PRODUCTIVE FLEXIBILITY FOR HARVESTING



The PONSSE Dual concept harwarders raise harvesting efficiency and flexibility to a new level. You get an efficient harvester and a powerful forwarder - at the cost of operating only one machine!

PONSSE Dual can be converted from a harvester to a forwarder, and vice versa, in a matter of min-

utes. These machines can flexibly compliment the standard equipment capacity or cost-effectively handle projects where a two-machine team would be an unnecessarily bulky and expensive solution.

With the help of Dual it is easy to make full use of machine capacity and productivity. For example, in thinnings, when the productivity of the machine chain is confined

by the productivity of the harvester, the productivity can be improved by replacing the forwarder with the PONSSE Dual harwarder. It is possible to use PONSSE Dual as a harvester helping the actual harvester, and it also has the capacity to carry both its own trees and the harvester's trees to the storage site.

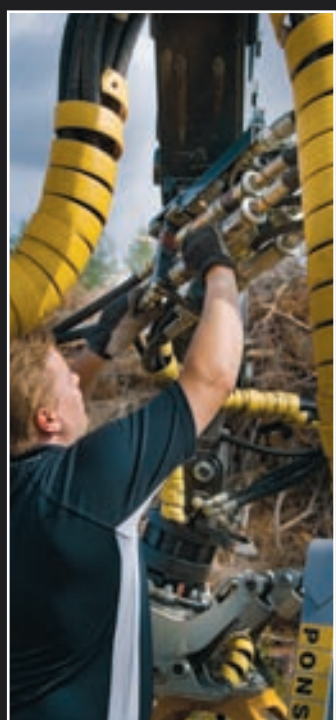


Productive Ponsse calculations: 1 = 2

Dual is an ideal solution for an entrepreneur who needs to increase harvesting capacity, but that need is not large enough to justify purchasing a harvesting chain. Dual offers flexibility to the planning of harvesting and the use of machinery. This also increases the efficiency of machinery.



Modification from a forwarder to a harvester or visa versa takes only a couple of minutes. If necessary, the log gate, bunks and rear frame extension are removed from the forwarder for harvesting.



The grapple's hydraulic hoses are changed for harvester hoses using handy quick connectors.



The boom's quick mounting bracket guides the harvester head easily into place and locks the mounting.



Trees can be piled or lifted directly to the loading space for the Dual machine.



PONSSE DUAL IS ALSO A MULTIFUNC- TIONAL ENERGY WOOD HARVESTER

The PONSSE Dual concept is also excellently suited to energy wood harvesting! From thinning and other energy wood areas it is possible to flexibly compensate the energy fraction as a whole assortment of other groups and maintain the utilisation of the machine capacity as high as possible.

PONSSE Dual can be equipped, if necessary, with the PONSSE

EH25 energy wood harvester head specifically intended for energy wood harvesting. A harvesting point can be a growing stand, where there is a normal thinning block and a energy wood block or a small regeneration felling block and a energy wood block. Because PONSSE Dual can handle all the necessary work, the contractor will not need to bring several ma-

chines on site. Thus the total work cost-efficiency is improved!

During harvesting the PONSSE EH25 can simultaneously collect several trunks and handle energy wood trees up to a diameter of 25 cm (10 in). Short-distance hauling and loading related to it can be done either with EH25 or with



the standard loader, which is also easy to mount onto the crane.

PONSSE EH25 technical data

- Weight in working condition (without rotator and hanger)
530 kg (1168 lbs)
- Operating pressure
20–25 MPa (2901–3626 psi)
- Oil flow requirement
60–120 l/min (16–32 US gal/min)
- Rotator AV12S
- Cutting diameter 250 mm (10 in)





PONSSE DUAL

- Complements machine capacity flexibly
- Saves capital, transport, maintenance and operational costs
- Increases overall productivity of harvesting
- Diversifies the use of machine capacity

The PONSSE BuffaloDual is a heavy-duty 14-ton work machine, of which the basic harvester is based on the PONSSE Buffalo forwarder. Over the years the basic products have been developed and improved with reliability and efficiency in mind, so that the products do not require expensive components. The capacity of the reliable machines is suitable for all harvesting fields – from clear cutting tree stands to marking small diameter stands and thinning. A powerful crane, efficient hydraulics and a high tractive force make the work extremely easy, and the felling takes place in a special harvesting manner.

PONSSE BuffaloDual fulfils, in both of its work modes, the productivity and features of a special machine. As an overpowering forwarder, the loading and forwarding take place quickly and efficiently. Also, the load relieving and sorting of the different tree species take place effortlessly. Similarly the harvesting proceeds as in a modern harvester with the help of the PONSSE H53e harvester head and Opti4G measuring devices.

The overall quality is the basis of a well-known fundamental strength of PONSSE forest machinery. The Mercedes-Benz diesel engines offer enough power and torque for driv-

ing and cutting in very demanding conditions as well. The intelligent Opti4G and OptiControl systems ensure excellent logging efficiency and accuracy. This is topped off with its ergonomic and practical first class cabin, which helps the operator to work at capacity and efficiently for the entire work shift – from one day to the next. The efficiency, durability and good resale value ensure that the BuffaloDual is a productive and risk-free solution for the owner.

PONSSE BuffaloDual is available with either 6 or 8 wheels according to the customer's needs.

TECHNICAL SPECIFICATIONS

| DIMENSIONS | | PONSSE BuffaloDual |
|--|--|--|
| Length as a harvester: | | 8850 / 9150 mm (348 / 360 in) |
| Length as a forwarder: | | 9400–9950 mm (370–392 in) |
| Width (600/700 tyres): | | 2690–2990 mm (106–118 in) |
| Transport height: | | 3850 mm (152 in) |
| Ground clearance: | | 690 mm (27 in) |
| Weight as a harvester (6/8 wheels), starting from: | | 15 700 / 17 100 kg (34 613 / 37 700 lbs) |
| Weight as a forwarder (6/8 wheels), starting from: | | 16 400 / 17 800 kg (36 156 / 39 243 lbs) |
| Typical weight: | | 6w = 17200 kg (37919 lbs), 8w = 19200 kg (42329 lbs) |
| LOAD CAPACITY | | |
| Crane: | | PONSSE K90Dual+ |
| Load carrying capacity: | | 14 000 kg (30 865 lbs) |
| Load space cross-section: | | 4,5–5,1 m ² (48–55 ft ²) |
| Load space length: | | 4040–4590 mm (159–181 in) (optional: extension 0–700 mm / 0–28 in) |
| HARVESTING CAPACITY | | |
| Harvester head: | | PONSSE H53e |
| Saw bar length: | | 640/750 mm (25/30 in) |
| Cutting diameter: | | 520/640 mm (20/25 in) |
| Feed force: | | 18 kN (4047 lbf) |
| Feed speed: | | 0–5 m/s (0–16 ft/s) |
| Delimiting knives: | | 5 pcs |
| Largest opening (feed rollers): | | 500 mm (20 in) |
| Measuring device: | | PONSSE Opti4G |
| TECHNOLOGY | | |
| Engine: | | Mercedes-Benz OM 906 LA |
| Power: | | 205 kW (275 hp) |
| Torque: | | 1100 Nm / 811 lbf.ft (1200–1600 rpm) |
| Working pump: | | 190 cm ³ (11.6 in ³) |
| Tractive force: | | 180 kN (40 466 lbf) |
| Driving speed (2 speed ranges forward and backward): | | 0-23 km/h (0-14.3 mph) |
| Fuel tank volume: | | 200 l / 53 US gal (with extra fuel tank: 450 l / 119,25 US gal, optional equipment) |



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