



PONSSE



H53e

- Strong and basic structure
- Suitable size as a multipurpose harvester head – wide range of uses
- Suitable for multi-stemming
- Efficient and smooth feeding
- Efficient and strong saw, versatile saw bar combinations
- Accurate feeding
- Strong cast front delimiting knives
- Multiple feed roller options

Ponsse Plc
Ponssentie 22
FI-74200 Vieremä
FINLAND
Tel. +358 20 768 800
Fax +358 20 768 8690

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 North America, Inc.
4400 International Lane
Rhineland, WI 54501
USA
Tel. +1 715 369 4833
Fax +1 715 369 4838

A MULTIPURPOSE POWER PACK

PONSSE H53e is a multipurpose harvester head for thinning and regeneration felling of small-diameter trunks. The multi-stemming equipment allows for profitable felling of small-size energy and industrial wood so the same machines can be used at all sites.



RELIABLE AND VERSATILE

The PONSSE H53e harvester head is a real power pack in proportion to its weight and size, which also handles troublesome curved trunks. The feed force is superior and three feed rollers provide a strong grip on the trunk. The hydraulic connection of the feed rollers guarantees a non-slip grip and also extends the service life of the feed motors.

With its five delimiting knives, the H53e cleanly delimits trunks without removing the bark. The front knives are designed and placed to delimit small trunks particularly well. The rear knives, on the other hand, are designed for delimiting heavy trunks starting all the way from the butt end.

MULTI-STEMMING FUNCTION ALLOWS FOR MULTIPURPOSE USE

The PONSSE H53e harvester head is also suited for multi-stemming. The multi-stemming function makes it possible to collect several trunks to the harvester head before the bunch is fed or felled. This considerably

speeds up harvesting and improves the result at sites with small trees. The multi-stemming function does not hinder the functioning of the harvester head's features when handling single trunks. All collecting features can be controlled by the push of a button.

The multi-stemming function is based on controls of feed rollers and standard delimiting knives. When the machine grabs a new trunk, the feed rollers hold the trunk in place in the harvester head while the knives grab a new tree. The harvester head can also be equipped with an equipment kit that makes multi-stemming easier, increasing the profitability of multi-stemming.

OPTIONAL EQUIPMENT

- Chain tensioner PONSSE
- Colour marking (hydraulic)
- Stump treatment (hydraulic)
- Floating tilt
- OptiOil saw chain lubrication equipment
- Equipment kit that makes multi-stemming easier

TECHNICAL SPECIFICATIONS

| | |
|---|--|
| Weight: (incl. rotator and hanger) | from 900 kg (1984 lbs) |
| Length: | 1 340 mm (52.8 in) |
| Height without rotator: | 1 190 mm (46.9 in) |
| Width: | 1 180 mm (46.5 in) |
| Power consumption: | 70 - 90 kW (94 - 120 hp) |
| Operating pressure: | 20 - 24 MPa (2900.1 - 3480.9 PSI) |
| Oil flow requirement: | 200 - 250 l/min (52.8 - 66 US gpm) |
| SAW DESIGN Hydraulic chainsaw | |
| Saw bar length: | 640 / 750 mm (25.2 / 29.5 in) |
| Cutting diameter: | 520 / 630 mm (20.5 / 24.8 in) |
| Chain speed: | 40 m/s (131 ft/s) |
| Chain: | 0.404 " / 3/4" |
| FEEDING DESIGN | |
| Feed system: | 3 rollers |
| Max roller opening: | 500 mm (19.7 in) |
| Feed power: | 18 kN (4046.6 f lbs) |
| Feed speed: | 0-5 m/s (0-16.4 ft/s) |
| Delimiting unit: | One stationary and four hydraulically movable knives |
| Separately controlled delimiting knives and feed rollers. Proportional adjustment of rollers and knives. | |