

Technical specifications



Information on the trees

- Trunk diameter 25 to 12 cm - 10" to 4.5" (max. DBH at bottom / min. at top)
- Branch strength up to 3.5 cm - 1.4"
- Delimiting height 12 to 15 meters - 40 to 50 feet
- Speed of the cutting head approx. 4 m/s - 13 ft./s
- Duration of delimiting at 12 m - 40 ft. of height approx. 8 seconds
- Possible output 30 to 50 trees per hour (in Europe – about 80 to over 100 in plantations!)
- Clean cut due to special knife technology - no risk of injury to the bark

Special qualities of the cutting head

- Hydraulic drive of the cutting head
- Pneumatically adjustable cutting blade pressure
- Cutting head made of aluminium - weight approx. 50 kg - 110 lb
- 2-person operation
- Downward speed of the cutting head infinitely adjustable
- Infinitely variable acceleration speed of the cutting head to protect the bark of the tree and the drive belts
- Pressure of the counter pressure wheel pneumatically adjustable
- Minimal bark pressure thanks to belt drive
- Pneumatic non-return valve for protection in case of unlikely pressure loss of the pressure wheel
- Drive belts and cutting blades easily replaceable
- Simple and safe handling of the entire system
- Patented

Special qualities of the drive unit

- Drive unit including oil cooler
- 96 litre tank with biodegradable hydraulic oil (PANOLIN HLP SYNTH 32) incl. oil filter and indicator for oil quantity and oil temperature
- Hydraulically driven compressor incl. sufficient air reservoir
- Water separator for pneumatics
- Panel with all important displays such as hydraulic and pneumatic pressure, various control and setting elements, operating hours counter and emergency stop for remote control

Designed for:

Larches · Pines · Spruces · Eucalyptus · Teak · Poplars · Douglas firs

- Signal lamp on the drive unit for operating state
- Pneumatic coupling for external air pressure tools
- Robust hose package for hydraulics and pneumatics
- Hose reel for winding and unwinding the hose package
- Components of the complete system from high-quality brand manufacturers

Handling and ergonomics

- Electric control via remote control
- Manual control of the cutting head possible via drive unit
- Folding table for easy cranking of the hose reel and transport of the cutting head in the forest
- Stowage feet adapted to lift unit with trucks and stackers - can be used from three sides
- Mount for the cutting head on the drive unit with double lock - safe transport of the entire system
- Four eyelets for lashing and lifting the drive unit with belts

Requirements for the tractor

- Standard three-point suspension for drive unit (Cat. 1 and 2)
- PTO shaft at the drive unit 1 3/8", 6 teeth
- Required PTO shaft speed on tractor 540 - 600 min⁻¹
- Required engine power from tractor at least 40 hp
- Required current from tractor 12V

Measures and weights

- Drive unit dimensions incl. PTO guard and three-point suspension (**without** cutting head):
1,189 mm x 798 mm x 1,900 mm
47" x 31.5" x 75" (width x depth x height)
- Drive unit dimensions incl. PTO protection, three-point suspension and antenna (**with** cutting head on mount):
1,333 mm x 865 mm x 1,975 mm
53" x 32" x 78" (width x depth x height)
- Total weight of drive unit incl. hydraulic oil + cutting head approx. 570 kg - 1,250 lb
- Length of hose package between cutting head and drive unit 25 meters - 82 ft.

Made in Germany