

TEKNAMOTOR

SKORPION 250 L



Beskrivning av anordningen

The chipper **SKORPION 250 L** is a machine designed for community service activities and road companies which need reliable equipment to work on current tree logging sites in built-up areas and on roadsides. Thanks to its high processing capacity (the maximum diameter of the cut branches is 20 cm), it is excellent at grinding tree trunks and branches; its throat is 290 mm wide and 215 mm high.

The chipper drive system includes a 3-cylinder, turbo-charged compression-ignition engine by KOHLER (power 56 HP) which meets the latest exhaust emission standard - STAGE V. The engine is cooled with liquid and covered with a hood in standard. This chipper is equipped with a mechanical adapter (disk disengaging clutch) whose task is to transmit drive from the engine through a belt transmission to the cutting drum, relieving the engine crankshaft and allowing smooth activation of the chipper drive.

The standard hopper has been replaced with a hand-folded loading table. Its feed system consists of two pulling rollers, driven by separate hydraulic motors from a hydraulic pump mounted on the chipper.

The cutting system in scorpion 250 L is made by a disc equipped with 2 cutting blades, working with 1 counter knife or 2 side knives. The cutting knives life has been optimized by their double-sided sharpening, which allows them to be rotated by 180°, resulting in twice the length of their use. All the knives are made of appropriately selected tool steel and subjected to professional heat treatment. In addition, the chipper disc also fulfills the task of a fan and ejects the produced chips through the ejection tube, which can be positioned in any direction at a full 360° radius.

As a standard, the chipper can smoothly adjust the feeding speed of wood for shredding. Such a solution allows small chip to be produced, which after processing on hammer mills can be used for production of briquettes or pellets, whereas thick chip is an ideal material for heating purposes or for sale for industrial purposes.

The safety of the chipper operator is ensured by a pull-wire safety switch, which by pulling the cord in any direction makes the hydraulic feeding system stop. The system is unblocked by pressing the "Reset" button; next, in order to return to the chipper work cycle (intake of material), one presses the "Forward" button. The feeding system is also stopped by pressing the "EMERGENCY STOP" button.

The Skorpion 250 L chipper has received European approval enabling registration of the machine and approval for road traffic. The chipper structure is embedded on a single-axle chassis, equipped with an overrun and parking brake, as well as a towing device under the ball bolt or towing eye. In the form of a special trailer, the chipper can be quickly moved between different places.

The chipper is equipped with LED road lighting.

Standard equipment includes the electronic No-stress system, which automatically prevents the drive system from overloading by temporarily stopping the feeding system. The editable software of the No-stress anti-loading system allows one to change the machine operation settings in a simple manner and to adapt them to individual needs. The program "thick wood", "thin wood" enables one to quickly change the chipper work mode to adapt to the currently shredded material and to make the chipper work more effectively.

Chip from wood waste may be used for many purposes, energetic and industrial, or even for decoration.

Technical data

MODEL

SKORPION 250 L

Overall dimensions (length x width x height) [mm]	4150 (4700)* x 2000 x 2630
Weight [kg]	1770
Branch diameter [mm]	200
No of knives	2 cutting + 1 counter-knife + 2 side-knives
Feeding speed [running meters/min]	up to 42
Chipping capacity [stère meters/h]	up to 16
Chip width [mm]	from 9 to 14**
Feeding unit	hydraulic feeder
Disk diameter [mm]	960
Hopper dimensions (width x height) [mm]	290 x 215

ENGINE TECHNICAL DATA

Engine	KOHLER
Cubic capacity [cm ³]	1861
Power of engine [hp]	56
Type of cooling	liquid
Type of fuel	Diesel
Fuel tank capacity [l]	60
Start-up	electric

* - unfolded, ready to work

** - depends on material

Equipment included:

- Disk disengaging clutch
- Counter of operating hours
- Spare wheel
- Adjustment of height of ejecting the chips
- Rotary chimney 360°
- No-stress system

Additional accessories on request:

- Extension of the ejection tube