

# TEKNAMOTOR

## SKORPION 160 S



### Seadme kirjeldus

The chipper **SKORPION 160 S** is the best choice for people involved in community service activities and for road companies; its high chipping capacity and small dimensions allow convenient use of the machine in urban areas and on roadsides during seasonal logging.

The design of the chipper is based on a single-axle vehicle with a **maximum weight not exceeding 750 kg**. This allows for registration on the basis of approval in the "O1" trailer category. In its category, this is probably the most successful and sought-after 160 mm wood chipper on the market.

The chipper's high performance is achieved through the application of a disc cutting system and a reliable combustion engine.

Options:

2-cylinder air-cooled petrol engine

- LONCIN; 32.6 hp
- KOHLER; 38 hp

or 3-cylinder liquid-cooled diesel engine

- KOHLER; 24.5 hp

All engines offered are covered with a bonnet and comply with the latest exhaust emission standard - Stage V.

Its feed system consists of two pulling rollers, driven by separate hydraulic motors from a hydraulic pump mounted on the chipper.

The throat 285 mm wide and 165 mm high allows chopping branches, boughs and limbs (also leaves and needles), as well as round wood to diameter of 16 cm.

This model's cutting system is made by a disc equipped with two cutting blades, co-working with two counter 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.

Safety of the operator of a chipper is ensured by a cable safety switch attached, which - by pulling the

cord in any direction - causes the hydraulic feed system to stop immediately.

The wood chipper equipped with an electronic No-stress system that automatically prevents overloading of the drive system by temporarily stopping the feed system. Editing the No-stress overload system allows you to easily change the machine settings and adjust them to individual needs. The program "thick wood", "thin wood" allows a quick change of the working mode of the chipper to suit the currently shredded material and more effective work of the wood chipper. This system has a built-in hourly meter.

Skorpion 160 S chipper has obtained European type approval which allows the machine to be registered and used in road traffic.

The chipper is fitted with an overrun brake and a parking brake, LED road lights as well as a towbar (with either ball or eye coupling).

The wood chips obtained through the chipping process can be used for direct combustion in furnaces, for production of compost, for decorative purposes and, after repeated shredding in hammer mill, as a raw material for production of briquettes and pellets.

## Tehnilised andmed

### MODEL

### SKORPION 160 S

Overall dimensions (length x width x height) [mm]	3700 x 1780 x 2200
<b>Weight [kg]</b>	<b>750</b>
Branch diameter [mm]	160
No of knives	2 cutting + 2 counter-knife
Feeding speed [running meters/min]	up to 33
Chipping capacity [stère meters/h]	up to 12
Chip width [mm]	from 9 to 11
Feeding unit	hydraulic feeder
Disk diameter [mm]	550
Hopper dimensions (width x height) [mm]	285 x 165

#### ENGINE TECHNICAL DATA (Petrol)

Engine model	KOHLER Command PRO EFI ECH 980 Loncin LC2V90FD
Engine cubic capacity [cm <sup>3</sup> ]	999
Power of engine [hp]	38,0
Type of cooling	air
Type of fuel	petrol
Fuel tank capacity [l]	40
Start-up	electric

#### ENGINE TECHNICAL DATA (Diesel)

Engine model	Kohler-Lombardini KDW 1003
Engine cubic capacity [cm <sup>3</sup> ]	1028
Power of engine [hp]	24,5
Type of cooling	liquid
Type of fuel	diesel
Fuel tank capacity [l]	20
Start-up	electric

### Equipment included:

- Counter of operating hours.
- Spare wheel.
- Adjustment of height of ejecting the chips.

- No-stress system