# TEKNAMOTOR

## SKORPION 160 SD

## Περιγραφή της συσκευής

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

The high efficiency of this machine is achieved by the use of disc cutting system and KOHLER engine with power of 38 hp or LONCIN engine with power of 32,6 hp; a 2-cylinder, air-cooled petrol engine fitted with a mask. Optionally the propulsion system is a three-cylinder liquid-cooled diesel engine KOHLER with capacity of 24,5 hp or a four-cylinder liquid-cooled diesel engine KOHLER (25 hp). In order to maintain many hours of continuous operation, the chopper is equipped with a 40 liter fuel tank. 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.

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

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. Unlocking the system takes place by  releasing / unlocking the EMERGENCY STOP button to the work position.

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.

The Skorpion 160 SD chipper has received European approval, which permits registration of the machine and traffic approval. It is equipped with overrunning brake and parking brake, modern LED traffic lights.

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.

## Προδιαγραφές

| **MODEL** | **SKORPION 160 SD** |
|---|---|
| Overall dimensions (length x width x height) [mm] | 3700 x 1760 x 2250 |
| Weight [kg] | 890 - 1040* |
| 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<br>Loncin LC2V90FD |
| Engine cubic capacity [$cm^3$] | 999<br>999 |
| Power of engine [hp] | 38,0<br>32,6 |
| 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<br>Kohler-Lombardini KDW 1404 |
| Engine cubic capacity [$cm^3$] | 1028<br>1372 |
| Power of engine [hp] | 24,5<br>25 |
| Type of cooling | liquid |
| Type of fuel | diesel |
| Fuel tank capacity [l] | 40 |
| Start-up | electric |

**Equipment included:**

- 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.