

# TEKNAMOTOR

## SKORPION 120 S



### Device description

The chipper **SKORPION 120 S** 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 high performance of this machine achieved by use of a 25 hp petrol engine, air cooled and with the throat of 285 mm wide and 165 mm high, it is possible to crush the branches together with their limbs and boughs (also leaves and needles), as well as circular wood up to a diameter of 12 cm. In order to maintain many hours of continuous operation, the chipper is equipped with a 40 liter fuel tank.

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.

Skorpion 120 S has 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 120 S chopper has received European approval, which permits registration of the machine and traffic approval. It is equipped with overrunning brake and parking brake, LED traffic lights and a choice of spherical or eye catch.

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.

## Technical details

### MODEL

Overall dimensions (length x width x height) [mm]  
Weight [kg]  
Branch diameter [mm]  
No of knives  
Feeding speed [running meters/min]  
Chipping capacity [stère meters/h]  
Chip width [mm]  
Feeding unit  
Disk diameter [mm]  
Hopper dimensions (width x height) [mm]

### SKORPION 120 S

3680 x 1760 x 2250  
860  
120  
2 cutting + 2 counter-knife  
up to 33  
up to 8  
from 9 to 11  
hydraulic feeder  
550  
285 x 165

### ENGINE TECHNICAL DATA

Engine model  
Engine cubic capacity [cm<sup>3</sup>]  
Power of engine [hp]  
Type of cooling  
Type of fuel  
Fuel tank capacity [l]  
Max. fuel consumption [l/h]  
Start-up

KOHLER PRO CH742  
747  
25  
air  
petrol  
40  
7,5  
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