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 or 24,5 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 chipper 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	**SKORPION 120 S**
Overall dimensions (length x width x height) [mm]	3680 x 1760 x 2250
Weight [kg]	860
Branch diameter [mm]	120
No of knives	2 cutting + 2 counter-knife
Feeding speed [running meters/min]	up to 33
Chipping capacity [stère meters/h]	up to 8
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	
Engine model	KOHLER / LONCIN
Engine cubic capacity [cm^3]	747 / 764
Power of engine [hp]	25 / 24,5
Type of cooling	air
Type of fuel	petrol
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