TEKNAMOTOR

SKORPION 500 RB

Seadme kirjeldus

Skorpion 500 RB is the biggest drum chipper with a conveyor unit manufactured by our company. It is offered to companies and persons wanting to obtain chips in large amounts and uniform fractions. The machine belongs to the range of chippers drive from the tractor's PTO shaft and the power required by the chipper is a min. of 120 HP (540÷750 rpm).

Due to the large overall dimensions of the shredded material with a diameter of up to 300 mm, the chipper is dedicated to the mechanical loading of wood wastes with the use of the hydraulic crane and is equipped with a base for mounting the crane as standard. The large wood loading area and hopper with the dimensions of 550 x 370 mm allows shredding broad branches and other bulky wood wastes.

The feeding system consists of installed on a rocker 380 mm in dia. toothed upper roll, which pulls in and press the wood and toothed metal crawler (920 mm in length), preceded by the foldable feeding table with additional, 850 mm in length metal crawler. The roll and crawlers are both driven by hydraulic motors, powered by own hydraulic pump, installed on the chipper.

A sector-type drum with 3 cutting knives (one rotation of the drum for one full cut) allows to achieve a very high potential of the chipper with a relatively low power of the tractor. The knives used are made of tool steel resistant to extermination which translates into a long service life.

Installed screen ensures high regularity if chips. Chips are advanced from under the screen to the fan by two screw conveyors, than discharged thorough the ejection tube. This chipper is equipped with hydraulically foldable ejection tube with automatic swivel control by 240°, both controlled by hydraulic divider or joystick.

The solution of positioning the feeding table at the angle of 90°, in relation to the direction of travel, allows simultaneous transport of the chipper and light trailer using only one tractor (the chipper is equipped with an automatic towbar).

The chipper is equipped with modern LED road lighting.

As a standard, the chipper is also additionally equipped with one of the most advanced electronic system of work control available on European market automatically protecting the propulsion system of the machine against overload/excessive duty through temporary stopping the feeding unit.

Easily editable software of the No-stress system provides a simple way to change the settings of the machine adapting it to individual needs. Preset "thick wood" and "thin wood" modes allow fast and easy change of the operation of the chipper in order to match the current material to be shred and increase

the effectiveness of work. Total- and daily- hour meter is built into this system.

Produced chips may be used as a solid fuel for heating, as a raw material for production of paper, furniture boards, and after additional disintegrating in a hammer mill for pellets and briquettes production.

Purchase of a chipper Skorpion 500 RB is the perfect solution for companies and businesses which develop their business in a modern and environmentally friendly direction.

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MODEL	SKORPION 500 RB
Overall dimensions (length x width x height) [mm]	3870 x 2360 (3000)* x 3025 (4460)*
Weight [kg]	3700** without hydraulic crane
Branch diameter [mm]	logs up to 300
No of knives	3 cutting + 1 counter-knife
Feeding speed [running meters/min]	up to 21
Chipping capacity [stère meters/h]	up to 20
Width of chips [mm]	up to 35 mm depends on material
Drum diameter [mm]	520
Hopper dimensions (width x height) [mm]	550 x 370
Length of chain feeder [mm]	loading table – 920, flap 850
Screen [mm]	30x30 or 50x50
Type of drive	tractor’s PTO
Min. power of tractor [hp]	120

()* - unfolded, ready to work.
()** - weight depends on equipment installed.

Standard equipment

- Sprung axle (towing speed 25 km/h) equipped with air brake.
- Hydraulically folding loading table (flap) equipped with a chain feeder.
- Hydraulically foldable ejection tube with automatic control of swivel by 240 ° and deflector.
- LED road lighting.
- PTO.
- Own hydraulic system.
- Electronic system of work control with hour meter.
- Electronic control by hydraulic divider or joystick.

Optional equipment

- Hydraulic crane.