

TEKNAMOTOR

SKORPION 350 RB



Device description

Skorpion 350 RB is a drum model made in the form of a trailer, meant for collaboration with a min 100 KM farm tractor. The drive is transmitted from PTO shaft of a tractor with the speed of 540 revolutions per minute.

The wood chipper is equipped with a system of drawing in the wood waste; it consists of a pick-up roller mounted in the swing arm and presses the wood with a diameter of 380 mm, and a loading table with a system of two toothed tracks with the length of 750 mm and 630 mm. The long and wide surface of tracked carriers is the ease and efficiency of timber loading. The free space between tracked conveyors serves to separate contaminants such as small pebbles, soil, sand etc. thereby extending the life of the knives. The roll and the caterpillar track are driven by the hydraulic engines system from a hydraulic pump mounted on the chipper.

The chipper as a standard has a smooth adjustment of the speed of feeding wood for chipping in the cutting range from 5 to 28 mm. Thanks to this solution, it is possible to produce fine wood chips, which can be used for production of briquettes or pellets and can be further processed in hammer mills, while the thick wood chips are ideal material for heating purposes or for sale for industrial purposes.

A sector-type drum with 2 cutting knives (one rotation of the drum for one full cut) allows to achieve a very high possibilities 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. Knives can be sharpened several times, assuring theirs long-term use.

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 construction of the chipper is set on a single axial chassis allowing the towing of the machine on all types of roads. As a standard, the machine is equipped with a rigid suspension without brake, allowing to move it with a speed up to 25 km/h. Chipper can also be equipped with a sprung axle and 40 km/h towing speed or an air-type suspension and 80 km/h speed - both axles are equipped with air brakes.

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)

Due to large size of the material to be chipped, the machine can be equipped with a hydraulic mounted

crane.

The chipper is equipped with 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.

Chips made by Skorpion 350 RB can be used as a solid fuel for heating (burning in ovens/stoves), 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 350 RB is the perfect solution for companies and businesses which develop their business in a modern and environmentally friendly direction.

Technical details

MODEL

SKORPION 350 RB

Overall dimensions (length x width x height) [mm]	4160 x 2350 (3010)* x 2960 (3970)*
Weight [kg]	3400** without hydraulic crane
Branch diameter [mm]	logs up to 250
No of knives	2 cutting + 1 counter-knife
Feeding speed [running meters/min]	up to 21
Chipping capacity [stère meters/h]	up to 16
Width of chips [mm]	up to 28 mm depends on material
Drum diameter [mm]	520
Hopper dimensions (width x height) [mm]	375 x 340
Length of chain feeder [mm]	loading table 750, flap 630
Screen [mm]	30x30 or 50x50
Type of drive	tractor's PTO
Min. power of tractor [hp]	100

()* - unfolded, ready to work.

()** - weight depends on equipment installed.

Standard equipment

- Axial chassis up to 25 km/h
- 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 joystick

Optional equipment

- Sprung axle (towing speed 40 km/h) or air-type suspension (up to 80 km/h) equipped with air brakes

- Hydraulic crane