

TEKNAMOTOR

SKORPION 280 RBG



Device description

SKORPION 280 RBG is the smallest produced by Teknamotor drum-type chipper with a chain feeder meant to cooperate with a min. 60 HP farm tractor (540 rpm).

Large loading table, 265 mm wide and 190 mm high inlet allows chipping branches with offshoots (with leaves and needles) as well as a round timber of the diameter up to 180 mm.

A sector-type drum with three 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. Knives – produced out of special alloy steel and properly heat treated – can be sharpened several times – even 20 mm of the nominal size, assuring their long-term use.

As a standard, the chipper is equipped with a speed control of feeding which allows production of chips in the range of 5 – 25 mm in length. With this solution the Client can produce small chips which – after further processing on hammer mills – can be used to produce briquettes or pellets.

Installed screen ensures high regularity of chips. Chips are advanced from under the screen to the fan by a screw conveyor, then discharged through the ejection tube. The chipper is equipped with manually swiveled by 360° ejection tube.

The feeding system consists of built on a rocker toothed roll of the diameter of 280 mm and a feeding table equipped with toothed 680 mm in length chain feeder, preceded by manually folded flap. This solution makes the loading much easier, improves the work of operator and increases the efficiency. Both - roll and chain feeder - are powered by hydraulic gear motors driven by own hydraulic pump installed on the chipper; farm tractor only serves as a PTO drive unit.

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.

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.

Technical details

MODEL

SKORPION 280 RBG

Overall dimensions (length x width x height) [mm]	1775 x 1980 (2700)* x 2250 (3050)*
Weight [kg]	1200
Branch diameter [mm]	180
No of knives	3 cutting + 1 counter-knife
Feeding speed [running meters/min]	up to 22
Chipping capacity [stère meters/h]	up to 10
Chip width [mm]	to 25 subject to material
Feeding unit	roll on a rocker and a chain feeder, both hydraulically driven
Drum diameter [mm]	420
Hopper dimensions (width x height) [mm]	265 x 190
Type of drive	tractor's PTO
Min. power of tractor [hp]	60

()* - unfolded, ready to work

Equipment included:

- Swivelled by 360° ejection tube with deflector.
- PTO shaft.
- Own hydraulic system.
- Electronic system of work control with hour meter.
- Feeding table with a chain feeder.