

TEKNAMOTOR

SKORPION 350 SDB



Device description

Skorpion 350 SDB is the drum-type chipper build in the form of special purpose trailer, meant to work with the wood wastes of the diameter up to 250 mm.

The chipper is powered by 4 cylinder, 84 HP turbocharged diesel engine Yanmar furnished with a bonnet.

The feeding system consists of toothed upper roll, which pulls in and press the wood (\varnothing 380mm) and toothed metal crawler (75 cm in length), preceded by the foldable feeding table. The roll and crawler are both driven by hydraulic motors, powered by own hydraulic pump, installed on the chipper.

Sectoral cutting system consisting of 2 knives on the drum (one cut on one full turn) and one counter knife provides great potential of the chipper in relation to the load of the drive. The 30x30 or 50x50 mm screen surrounding the drum ensures the production of regular fraction in the standard G30 and G50.

A large loading space (375 x 340 mm opening) allows to work with specious branches and other, bulky waste wood.

Chips are ejected through a rotary ejection tube that can be turned by 360 degrees in relation to the chassis.

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.

Chipper Skorpion 350 SDB has got the EC Vehicle Type- Approval Certificate which allows registration of the machine and licensing it for the road traffic.

The chipper is set on a single axle, equipped with mechanical overrunning braking system and a hook-type coupling for towing adjusted to its interchangeable part - a grip for using a ball pin or a towing eye. Such construction of the chipper allows the quick movement between jobs.

The chipper is also additionally equipped with a state of the art electronic system of work control, available on European market which automatically prevents overloading of the propulsion system, by temporarily stopping the feeding. Easily editable software of this No-stress system provides a simple way to change the settings of the machine and to adapt to individual needs. The "thick wood" and "thin wood" preset programs allows the operator to quickly change the mode of operation of the chipper in order to match the current material to be shredded and increase the effectiveness of work.

Chips made by this chipper can be used as a solid fuel for heating, as a raw material for plywood production or – after further work on beater mills - to produce briquettes and pellets.

Purchase of Skorpion 350 SDB is the optimal solution for companies and businesses which develop their business in a modern and environmentally friendly direction.

Technical details

MODEL

	SKORPION 350 SDB
Overall dimensions (L x W x H) [mm]	4250 (4860)* x 1990 x 2530 (3360)*[A] 4250 (4860)* x 1990 x 2530 [B]
Weight [kg]	2470
Branch diameter [mm]	logs up to 250
No of knives (depends on drum version)	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 - depends on material
Way of feeding	toothed roll and hydraulically driven feeder track
Screen [mm]	30x30 or 50x50
Drum diameter [mm]	520
Hopper dimensions (width x height) [mm]	375 x 340

ENGINE TECHNICAL DATA

Engine model	YANMAR 4TNV98T
Engine cubic capacity [cm ³]	3319
Power of engine [hp]	84
Type of cooling	liquid
Type of fuel	diesel
Fuel tank capacity [l]	60
Max. fuel consumption [l/h]	13
Start-up	electric

()* - dimension after the loading table is unfolded, during operation.

Standard equipment:

- Hour meter
- Rotary ejector tube 360°
- Deflector
- Independent hydraulic system
- No-stress system