TEKNAMOTOR

SKORPION 280 SDB

Seadme kirjeldus

SKORPION 280 SDB is the smallest produced by Teknamotor drum-type chipper. 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.

The feeding system consists of built on a rocker toothed roll of the diameter of 280 mm and a feeding table equipped with roll of the diameter of 200 mm, preceded by manually folded flap. This solution makes the loading much easier, improves the work of operator and increases the efficiency.

The propulsion system is a liquid-cooled diesel engine with capacity of 24,5 hp (three-cylinder) or 25 hp (four-cylinder) and as a standard fitted with a mask. Optionally the propulsion system is a due-cylinder air-cooled petrol engine with capacity of 38 or 32,6 hp. In order to maintain many hours of continuous operation, the chipper is equipped with a 40 liter fuel tank.

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. Knives - produced out of special alloy steel and properly heat treated - can be sharpened several times - even 20 mm of the nominal size, assuring theirs long-term use.

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

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.

Chipper Skorpion 280 SDB has got the EC Vehicle Type- Approval Certificate which allows registration of the machine and licensing it for the road traffic.

Chips made by Skorpion 280 SDB can be used as a solid fuel for heating in buildings (burning in ovens/stoves), as raw material to produce compost, for decorative purposes in gardens, parks, etc., and after additional disintegrating in a mill for production of pellets and briquettes.

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MODEL	**SKORPION 280 SDB**
Overall dimensions (L x W x H) [mm]	3750 (4460)* x 1810 x 2400 (3100)*
Weight [kg]	1500 - 1550**
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	hydraulic feeder
Drum diameter [mm]	420
Screen [mm]	30x30 or 50x50
Hopper dimensions (width x height) [mm]	265 x 190
ENGINE TECHNICAL DATA (Diesel)	
Engine	KOHLER
Engine cubic capacity [cm^3]	1028 / 1372
Power of engine [hp]	24,5 / 25
Type of cooling	liquid
Type of fuel	diesel
Fuel tank capacity [l]	40
Start-up	electric

()* - dimension after the loading table is unfolded, during operation.
()** - weight depends on equipment.

Standard equipment:

- Spare wheel.
- Swivelled by 360° ejection tube with deflector.
- Electronic system of work control with hour meter.