

# TEKNAMOTOR

## SKORPION 280 SDBG



### Device description

**SKORPION 280 SDBG** 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 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.

The propulsion system is a three-cylinder liquid-cooled diesel engine with capacity of 40,1 hp furnished with a bonnet. 40-liter fuel tank allows several hours of work in the field.

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 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.

As a standard, the chipper is also additionally equipped with one of the most advanced electronic systems 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 shredded and increase the effectiveness of work. Total- and daily- hour meter is built into this system.

Chipper Skorpion 280 SDBG 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 SDBG 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.

## Technical details

<b>MODEL</b>	<b>SKORPION 280 SDBG</b>
Overall dimensions (L x W x H) [mm]	3750 (4460)* x 1810 x 2300 (3100)*
Weight [kg]	1620
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 depends on material
Way of feeding	toothed roll and hydraulically driven feeder track
Drum diameter [mm]	420
Screen [mm]	30x30 or 50x50
Hopper dimensions (width x height) [mm]	265 x 190
<b>ENGINE TECHNICAL DATA</b>	
Engine model	LOMBARDINI 1603
Engine cubic capacity [cm <sup>3</sup> ]	1649
Power of engine [hp]	40,1
Type of cooling	liquid
Type of fuel	diesel
Fuel tank capacity [l]	40
Max. fuel consumption [l/h]	6
Start-up	electric

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

### Standard equipment:

- Spare wheel.
- Swivelled by 360° ejection tube with deflector.
- Feeding table with a chain feeder.
- Electronic system of work control with hour meter.