

# TEKNAMOTOR

## Hammer mill Skorpion 500



### Device description

**Hammer mill Skorpion 500** is designed for disintegrating chips and other pre-shredded wood waste as well as straw, hay, paper, corn etc into a very small fraction.

Charge hopper measuring 500 mm in width and 200 mm height allows vertical drop feeding of charge material. The cutting system of this mill consists of a drum with 63 hammer knives. Configuration of the appropriate number of blades and the diameter of holes in the screen determine regularity and size of the final product.

The mill is equipped with a control switchbox performing the functions of switching on and off, operation and overload control; additionally it can be also provided with a special electronic system of duty control - this anti-stress system protects the cutting group against excessive load through temporary stopping the in-feeding. The machine is driven by a 45 kW electric motor.

Skorpion 500 can cooperate with belt and worm conveying systems. The standard set of devices incorporated includes: a mill, control switchbox, loading conveyor and, on request, an exhaust-pressure fan for receiving the shredded material.

The final product made by hammer mill Skorpion 500 is perfect for production of briquette and pellet, and for burning in pulverized-fuel boilers.

### Technical details

#### MODEL

	<b>Hammer mill Skorpion 500</b>
Overall dimensions (length x width x height) [mm]	1450 (5500)*x 950 x 1670
Weight [kg]	1300 (1600)*
No of hammers	63 + 6 counters
Speed of feeding [running meters/min]	regulated
Efficiency of chipping [stère meters/h]	depends on material
Width of chips [mm]	up to 12 - regulated by screen
Dimensions of inlet (width x height) [mm]	500 x 200
Diameter of cutting drum [mm]	300 - work 450
Revolutions of cutting drum [rpm]	2600
Method of feeding	belt conveyor - 4m

Main engine power [kW]	45
Power of engine on feeding conveyor [kW]	1,1 (1,5)
()* - dimensions, weight with conveyor.	

**Equipment included:**

- control switchbox
- loading/feeding conveyor
- electronic anti-stress system