

# TEKNAMOTOR

## SKORPION 500 EB



### Beskrivning av anordningen

**Skorpion 500 EB** is a stationary drum chipper designed for chipping flat edgings, round timber, various types of furniture and sawmill waste of a width to 500 mm.

Control system of the chipper operated from the switchbox performs the functions of switching on, operation and overload control, and switching off.

The machine's cutting system consists of a drum with 2, 3 or 4 (optionally) cutting knives and one support knife. The method of embedding the support knife (extending from the chipper's body) allows very quick rotation or replacement (the knife is sharpened on four cutting edges). The used knives are made from tool steel, which is resistant to dulling, which in turn is translated into longer lifetime. The number of knives on the drum and the diameter of screen openings allows obtaining the required size of chips. Feeding material is conveyed to the inlet using two toothed feed rollers and one additional supporting roller, driven by gear motors, which allow feeding of even very short items.

The chipper is equipped with a main low-speed electrical engine. In contrast to high-speed engines, this engine is characterised by more stable operation and higher torque. With the same power, the motor achieves greater power transfers and by increasing the diameter of the main motor pulley – increased lifetime of the fan belts.

The chipper is driven by electric engine of 45 or 55 kW, and equipped with electronic system of operation control, which automatically prevents overloading of the cutting system by temporarily stopping the feeding.

Our long-term experience in designing machines for the wood sector industry includes execution of projects adapted to the individual needs of our clients.

Skorpion 500 EB can cooperate with belt and vibrating systems of loading and conveying. The basic set of the chipper equipment covers a chipper, a control switchbox, and to request - a loading conveyor and a collecting conveyor.

Chips obtained from Skorpion 500 EB can be used for direct burning in burners/ovens or as raw material for production of paper, furniture chipboards and, after additional disintegrating in a mill, for production of briquettes and pellets.

## Technical data

### MODEL

Overall dimensions (length x width x height) [mm]  
Weight [kg]  
No of knives

Feeding speed [running meters/min]  
Chipping capacity [stère meters/h]  
Chip width [mm]

Dimensions of inlet (width x height) [mm]  
Drum diameter [mm]  
Revolutions of cutting drum [rpm]

Feeding unit  
Main engine power [kW]  
Power of engine on feeding conveyor [kW]  
Power of engine on collecting conveyor [kW]  
()\* - suport structure  
()\*\* - weight depends on equipment installed.

### SKORPION 500 EB

2050 x 1300 x 1300 (+400)\*  
2400\*\*

2 cutting knives + 1 counter-knife  
3 cutting knives + 1 counter-knife  
4 cutting knives + 1 counter-knife

up to 25,5

up to 20

from 20 to 30

from 15 to 25

from 10 to 15

500 x 180

450

500

belt or vibrating conveyor

45/55

2 pcs x 2,2

1,5

### Equipment included:

- control switchbox
- electronic anti-stress system

### Additional accessories on request:

- loading conveyor
- collecting conveyor
- feeding speed regulation