

Disc Wood Chipper Machine

1. Introduction

BX series disc wood chipper machine is designed to make wood chips from wood logs, tree branches or make bamboo chips from bamboo, which is widely used in paper making industry, particleboard production line, medium fiberboard plant, medium fiber board production line and wood pellet production line. The wood chips produced from disc type wood chipper is more uniform in size and shape compared with the wood chips produced drum wood chipper machine, so the disc wood chipper is an ideal choice if you have requirements on the size of wood chips.

Disc type wood chipper machine is made of feeding conveyor, wood chipper and discharge conveyor.

The feeding conveyor is a 4 meters length flat conveyor, which can send wood material to the feeding chute on wood chipper. With this conveyor it is much easier to feeding wood logs, three branches, bamboo. Due to the conveyor is horizontally installed, so people can put the wood on this conveyor manually or by a loader machine, so that to save labor during operate this machine.

Wood chipper is the main part of this machine, which is made up of frame, feeding chute, cutting disc, cutting blades, sieve, discharge chute and main motor. The feeding chute is designed in horizontal position so that the feeding conveyor can send wood into this chute easily. On the cutting disc equipped with six cutting blades, during motor transmission the cutting disc rotating by V-belt, the cutting blades cut the wood to chips. And then the wood chips pass holes on sieve finally discharge to the discharge conveyor under cutting disc.

Discharge conveyor is installed on this machine to move the wood chips to storage place, truck or the machine in next step, length of this discharge conveyor is 10 meters, so it is long enough to send wood chips to truck directly.

Electric panel is a standard part for this wood chipper, from the buttons on the panel can start the machine and stop the machine, on the electric panel have ampere meter and voltmeter to indicating amps and voltage all the time. Inside electric have electromotor integrative protector and overheat protector to protect the motors from overload and overheat.

2. Technical data & quotation

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|----------------------------------|---|-----------|-----------|-----------|
| Model | BX1000 | BX1150 | BX1300 | BX1600 |
| Capacity | 4-6t/h | 6-10t/h | 10-15t/h | 15-25t/h |
| Main motor power | 55Kw | 55Kw | 75Kw | 110Kw |
| Voltage | 380V/50Hz three phase, or customized | | | |
| Feeding conveyor length | 4 meters | 4 meters | 4 meters | 4 meters |
| Feeding conveyor motor | 3Kw | 3Kw | 3Kw | 4Kw |
| Cutting disc diameter | 1000mm | 1150mm | 1300mm | 1600mm |
| Cutting blades quantity | 6 | 6 | 6 | 6 |
| Feeding chute size | 230x230mm | 270x270mm | 350x250mm | 420x420mm |
| Max intake wood | Φ <20cm | Φ <25cm | Φ <30cm | Φ <35cm |
| Feeding speed | 0.63 m/s | 0.63 m/s | 0.63 m/s | 0.63 m/s |
| Hole size on sieve | 25x25mm | 25x25mm | 25x25mm | 25x25mm |
| Final wood chips size | 15-25mm | 15-25mm | 15-25mm | 15-25mm |
| Discharging belt conveyor length | 10 meters | 10 meters | 10 meters | 10 meters |
| Discharging belt conveyor motor | 3Kw | 4Kw | 4Kw | 5.5Kw |
| Electric panel | Include, main motor is star-delta start to reduce starting amps | | | |





