

Drum Wood Chipper Machine

1. Introduction

BX series drum wood chipper is designed to chipping wood logs, tree branches, wasted wood, wood residues, wood cuts, bamboo, into 2-3cm size wood chips or bamboo chips, use this chipper also can shredding EFB to 10-50mm length EFB fiber.

This machine is usually applied by chips making industry, wood pellets making industry and paper making industry. Drum wood chipper is made up of feeding conveyor, feeding roller, knife roller, blades, screen, motor, frame, hydraulic system and discharge conveyor.

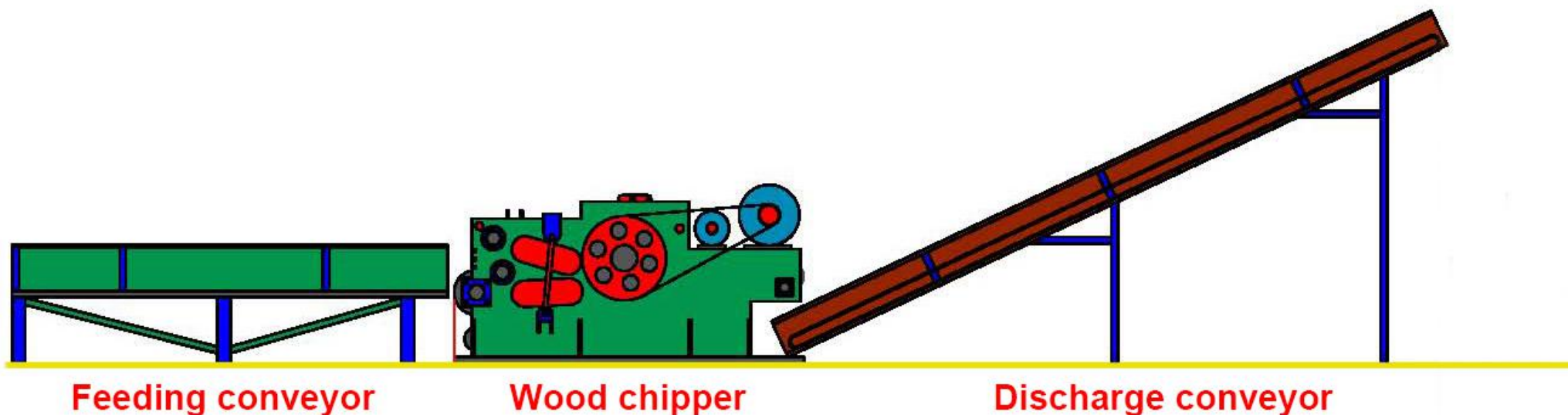
1. The feeding conveyor help the feeding of wood easier, can manually load or use timber grab/ loader machine put the wood logs, wasted wood, bamboo, tree branches on feeding conveyor, the conveyor is installed horizontally on ground, it can send wood to feeding inlet of wood chipper.
2. The feeding rollers is installed at the feeding inlet, it have two layers, the down layer is stable while the upper layer is movable with the hydraulic system thus to adjust the feeding ability. When wood come from conveyor, the teeth on the rollers will bite the wood with the rotating of feeding rollers the wood will feed into the drum chipper, then wood will go to knife roller.
3. The knife roller is in the central of wood chipper, it is rotating together with the main motor, on the knife roller there is rotary blades, and on the frame of wood chipper there is one bottom blade, when the wood come to knife rollers, with the rotating of rotary blades, when the rotary blade come to stable blade the wood will be cut into chips.
4. The hydraulic oil pump is equipped to the feeding rollers, thus it can raise up the feeding chute upper plate a bit to let bigger diameter wood intake wood chipper easier, and then the chute upper plate fall down slowly to protect the feeding rollers.
5. The wood chips will fall down to the screen, and from the holes on screen the chips go to the discharge conveyor and send away.

Our drum wood chipper is designed with base frame, so no need to make foundation during installation

The drum wood chipper is suitable for different kind of raw material like: wood logs, wood cuts, tree branches, wasted wood, wood residues., wood material, bamboo, EFB and building templates

The drum wood chipper is equipped with a electric panel, from this panel can control the start and stop of main motor, feeding roller motor, feeding conveyor motor, discharge conveyor motor and hydraulic system motor

We have different model drum wood chipper for different user requirement, each model chipper the maximum wood diameter it can handle is decided, when client choose a drum wood chipper should pay attention to your maximum wood diameter and then choose a suitable model

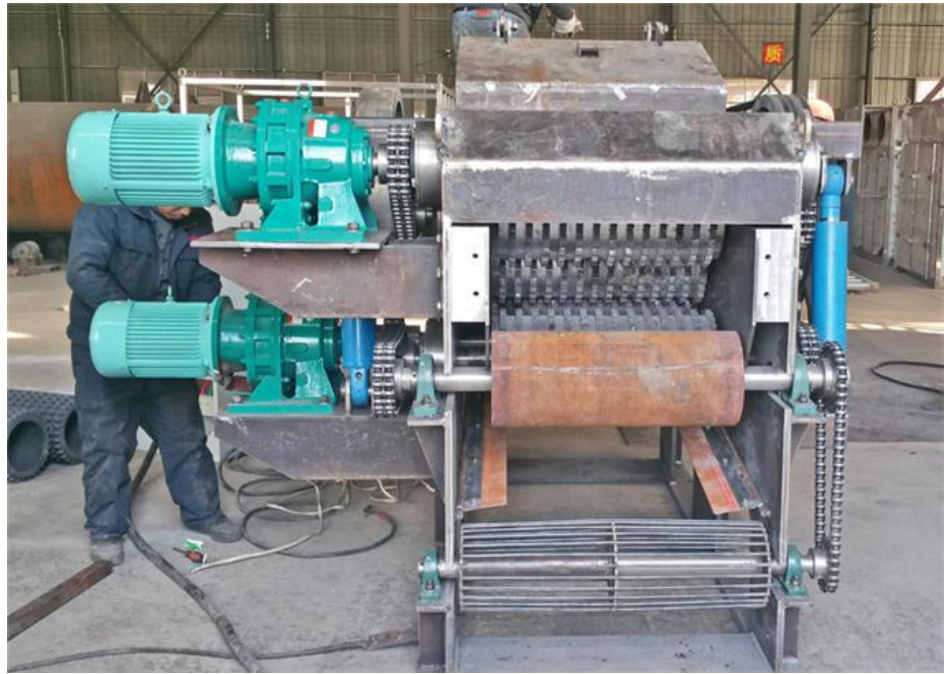
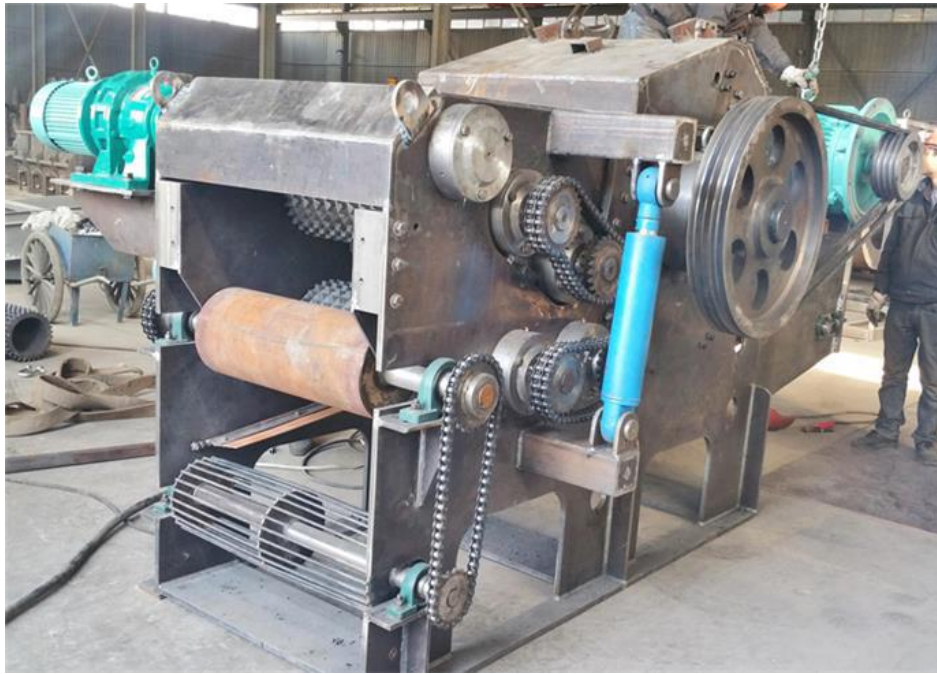


2. Technical data & quotation

Model	BX216	BX218A	BX218B	BX2110	BX2113
Capacity	5-10t/h	10-15t/h	10-15t/h	15-20t/h	20-30t/h
Main motor power	55Kw	110Kw	110Kw	160Kw	200Kw
Voltage	380V/50Hz three phase, or customized				
Feeding conveyor length	6 meters	6 meters	6 meters	6 meters	6 meters
Feeding conveyor motor power	4Kw	4Kw	4Kw	11Kw	11Kw

Feeding roller quantity	4 units	4 units	4 units	6 units	8 units
Feeding roller motor power	3Kw	4Kw	4Kw	7.5Kw	11Kw
Knife-cylinder diameter	600mm	800mm	800mm	1000mm	1300mm
Knife-cylinder length	500mm	650mm	800mm	1000mm	1300mm
Knife-cylinder rotating speed	650rpm	590rpm	590rpm	500rpm	500rpm
Inlet feeding mouth size	500x230mm	680x300mm	800x400mm	1000x500mm	1300x50mm
Quantity of rotating cutting blades	3 pcs	3 pcs	3 pcs	2 cps	2 pcs
Quantity of bottom blade	1 pc	1 pc	1 pc	1 pc	1 pc
Feeding speed	0.63 m/s	0.63 m/s	0.63 m/s	0.63 m/s	0.63 m/s
Max intake wood	Φ <20cm	Φ <28cm	Φ <35cm	Φ <40cm	Φ <40cm
Hole size on sieve	25x25mm	25x25mm	25x25mm	25x25mm	25x25mm
Final wood chips size	20-35mm	20-35mm	20-35mm	20-35mm	20-35mm
Discharging belt conveyor length	10 meters	10 meters	10 meters	10 meters	10 meters
Discharging belt conveyor power	3Kw	4Kw	4Kw	5.5Kw	5.5Kw
Hydraulic oil pump power	1.5Kw	2.2Kw	2.2Kw	3Kw	4Kw
Electric panel	Include, main motor is star-delta start to reduce starting amps				
Main body dimension (mm)	1980x1950x1250	2300x2150x1500	2450x2200x1550	3670x2448x2050	3850x2550x2100
Total weight	4.1 ton	7.2 ton	7.8 ton	12 ton	14.5 ton
Total installed power	66.5Kw	124.2Kw	124.2Kw	187Kw	231.5Kw
Total installation size	20x3x3.5 meter	20x4x3.5 meter	20x4x3.5 meter	25x5x4 meter	25x5x4 meter





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