



20in BZB 500 BAND SAW

THE MAIN FRAME is a built up fabricated steel unit having a large foot area for stability. Two sheet steel access doors completely enclose the machine and blade (except for the portion being used) when the machine is in operation.

THE SAW PULLEYS are made from high grade aluminium alloy and are accurately machined and balanced for true running. They are detachable and interchangeable and fitted with rubber tyres securely vulcanised to the rims. The top wheel revolves on sealed type ball bearings which require no lubrication throughout their entire and very long life. Top wheel adjustment is by handwheel and screw, whilst correct tension to the blade is ensured by the spring loaded slide which is also arranged to cant for tracking purposes. The bottom wheel is securely locked and keyed to the motor shaft on standard model machines. An efficient foot operated brake is fitted, which brings the wheels quickly to rest and with a minimum amount of effort. To keep the rubber tyre free from accumulating sawdust, an adjustable brush is fitted to the bottom wheel. A saw tension indicator is fitted to show correct blade tension.

THE DUST CHUTE is provided in the base of the main frame and is designed to keep the machine free from an accumulation of sawdust in all circumstances and is also most convenient for connecting to a dust extracting plant if desired.

THE CANTING TABLE is of unusually large proportions for a 20in (500mm) machine, being 22 x 24in (560 x 610mm) and surface ground to a high finish. It is arranged to cant up to 45° to right and 10° to left from the horizontal. A graduated scale and efficient hand lever lock are provided.

THE DRIVE. The motor for all three phase supplies is of 2hp totally enclosed fan-cooled, and is enclosed in the base of the machine. A 3hp motor is available as an extra. The bottom saw wheel is directly keyed to the motor shaft thus obviating the need for a belt drive. This motor is controlled by a push button operated direct on line motor starter complete with no-volt and overload releases which is conveniently mounted near the operating position.

THE FENCE with rapid adjustment by hand and fine adjustment by small handwheel can be supplied at extra cost and may be fitted on either side of the saw blade.

THE SAW GUIDES are of completely new advanced design and are fitted above and below the table. These are supplied with a special runner spindle assembly to give support to the back of the blade, and are also fitted with adjustable side rollers to give maximum support to the sides of the blade. The upper saw guide is vertically adjustable according to the thickness of timber being worked.

Specification

Diameter of saw pulleys	20in	500mm
Width of saw pulleys	1½in	40mm
Maximum width of saw	1in	25mm
Maximum length of saw	12ft 9in	3890mm
Minimum length of saw	12ft 2in	3700mm
Maximum depth under saw guide	13in	330mm
Distance saw to body	19½in	495mm
Size of table	22 x 24in	560 x 610mm
Table cant	45° to right 10° to left	
Height of table from floor	38in	965mm
Overall height of machine	79in	2000mm
Speed of saw	5210ft/min	1590m/min
Horsepower of motor	2hp	2hp
Speed of motor, (50 hertz)	1000rev/min	1000rev/min
Floor space	28 x 40in	710 x 1015mm
Net weight	670 lb	300kg
Gross weight	920 lb	420kg
Shipping dimensions	53ft³	1.5m³



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As our policy is constantly to improve the design of Bursgreen woodworking machinery, the details given in this leaflet are not to be regarded as binding.