



**BAXTER
VERTICUT®
INC.**
BANDSAW MACHINES

BAXTER SAW MODEL 500MV MITERING VERTICAL BANDSAW



CUTTING CAPACITY	
Round at 90°	18" (475 mm)
Round at 45°	18" (475 mm)
Rectangular at 90°	18" x 25" (475 x 635 mm)
SPECIFICATIONS	
Blade Size	1¼" x 16'6" (32 x 5030 mm)
Blade Speeds	80 to 450 ft/min (24 to 135 m/min)
Blade Tension (spring comp.)	25,000 psi (172 MPa)
Blade Guides	Carbide with Rollers
Table Height	28" (965 mm)
Maximum Work Load	6,000 lb. (2700 kg)
Machine Weight	5,000 lb. (2188 kg)
Overall Dimensions	119"x64"x101"(3015x1626x2564 mm)
DRIVE	
Blade Drive	7½ HP (5.6 kW)
Hydraulic Drive	3 HP (2.3 kW)
Voltages available (three phase)	575 and 460

Standard Features

- Machine can miter cut 45 degrees to the right and left, as well as cut vertically
- Angle is adjusted hydraulically
- Material is clamped by hydraulic vises – 2 sets, left & right of blade
- Variable vise pressure with panel mounted adjusting valve
- Vise can swivel thus allowing the cutting of compound angles
- Machine movement is on linear bearings to provide maximum rigidity and smooth motion
- The saw head feed utilizes a load sensing valve which stops the feed if the blade starts to overload, typical when cutting the web of structural shapes
- Blade Guides are carbide faced with roller to remove blade twist and dampen vibration
- Magnetic motor starter with automatic shut off at the end of cut, motors thermal overload protection
- Blade is preloaded to optimize cutting
- Blade tension is adjusted hydraulically
- Blade drive system consists of a direct drive, high efficiency planetary gear drive. Blade speed controlled with a variable frequency drive
- Manual saw forward, saw retract, saw cut, vises open/closed, slow and fast and saw head tilt
- Semi automatic cut cycle consists of saw start, saw cut, saw stop, and saw retract
- Adjustable stops for saw travel forward allow notching of blocks and saw retract to allow for different sizes of material
- Steel wheels with ductile iron hubs
- Flood coolant system to both saw guides and an adjustable nozzle mounted on a saw head, all with adjustable flow rates
- Electrical system uses only C.S.A./UL approved components and is electrically approved
- Premium quality bimetal bandsaw blade
- Instruction and parts manual



Model 500MV

Conveyor (10')

Crating Charges

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