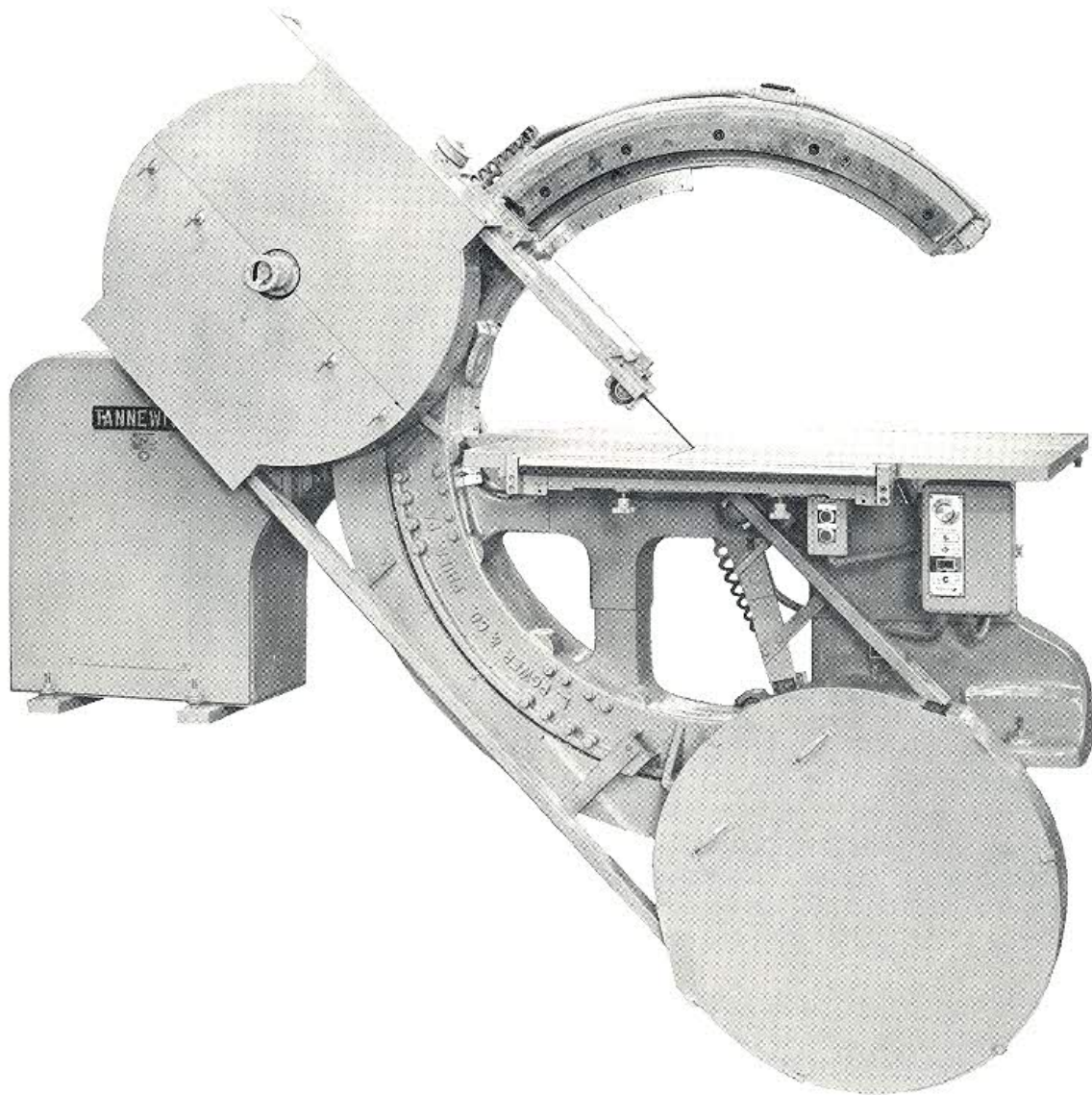


TANNEWITZ TILTING BAND SAW MODEL NO. B-11



tannewitz

P.O. Box 8798, Grand Rapids, Michigan 49508 U.S.A
Phone 616 538-9200

TANNEWITZ TILTING BAND SAW MODEL NO. B-11

ENTIRELY SELF CONTAINED
NO BELTS IDLERS OR COUNTERSHAFTS
PUSH BUTTON CONTROLS OF MOTIONS
ANGLES RIGHT OR LEFT TO 45 DEGREES
BUILT IN BRAKE ON BOTH WHEELS
BALL BEARING ROLLERS FOR ANGLING
JOGGING PUSH BUTTONS FOR SETTING ANGLE OF CUT
LIMIT SWITCHES FOR EXTREME ANGLES
BUILT-IN MOTOR ON LOWER WHEEL
FINGER TIP VARIABLE ANGLING CONTROL

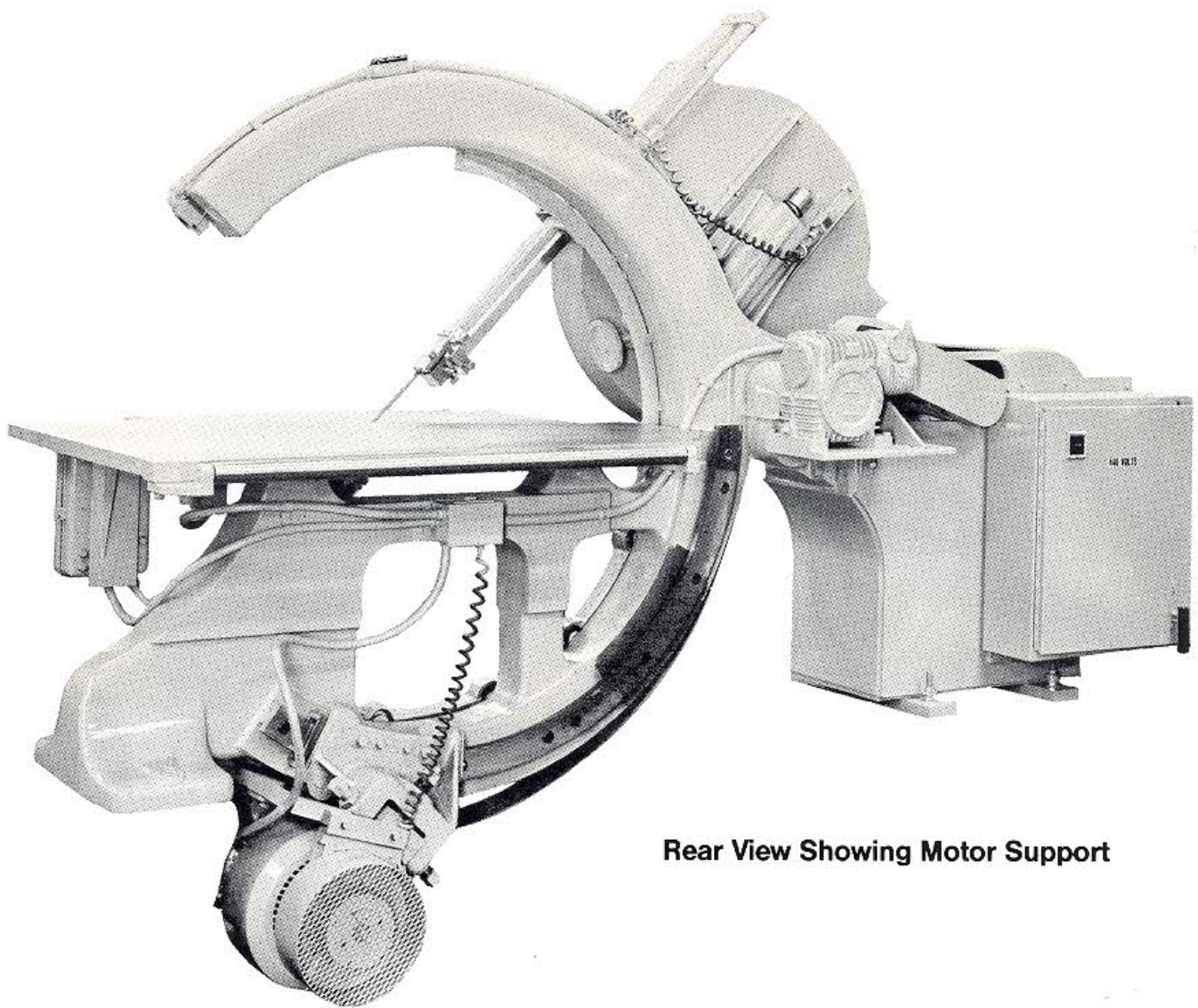
Main Frame is cored 'C' Shape design with wide flanged feet, and an auxiliary welded steel column acting as left leg. The main base is planed both sides to carry the circular 'Tee' Rings supporting the circular motion of the angular frame. The Rings are accurately milled and fitted to both sides of the base to give a balanced support to the motor which angles with the frame. The machine is so designed that the saw blade pierces the table on the centerline of the circular motion, so that the blade has no lateral movement at this point during the angling motion.

Wheels are of 38" diameter constructed to form a light true running wheel approximately 3" face, rubber covered, and accurately balanced. The top wheel is mounted on two large permanently sealed and lubricated ball bearings, and is fitted with a handwheel protruding to the front of the machine for tracking the blade with perfect safety while the wheels are in motion. The bottom wheel is mounted direct on the Motor shaft extension, and is also provided with angular adjustment for tracking the blade and also side adjustment.

Main Angling Frame is of one piece construction well ribbed and fitted with adjustable permanently lubricated and sealed ball bearing rollers, hardened and ground. The rollers are fitted into adjustable blocks and support the rolling action during angling. The blocks have an angle fit on the inside of the Tee Rings, and an extra adjustable gib to compensate for wear. The top part of the angling frame is machined and fitted with the adjustable slides supporting the top wheel mechanism. The top guide bar is also fitted into a machined pocket in this frame, and the counterweight for this stem is provided by a clock spring ass'y. An auxiliary rear angling frame supports the rear end of the motor plate, and provides a balanced support for the motor. A sensitive adjustment in this rear frame provides additional angular setting for the blade tracking if necessary. Both the top and bottom guides are supported from this frame to keep them in alignment with the blade at all angles.

Motor Drives are all of built in construction integral with the machine itself so that the Band Saw is entirely self contained within its machine lines. The main motor is 10 H.P. 3 Phase 60 Cycle 220/440 volts, approximately 550 RPM of a totally enclosed fan cooled type, ball bearing. The lower wheel is mounted direct on this motor.

The angling motor is a 1 H.P. D.C. reversing type with built in dynamic braking and operates the angling mechanism through a worm reduction, and pinion gear and rack drive, to tilting frame. The variable speed mechanism is controlled through a control cabinet mounted in front of the machine with a scale and pointer to indicate the relative angle of saw blade. The rate of angling can be controlled in infinite steps between approximate limits of 30 seconds per degree minimum to 1 second per degree maximum.



Rear View Showing Motor Support

Controls are of the magnetic type grouped in a control box at the rear of the machine. The angling motor is provided with a reversing switch. A centralized push button control panel is mounted on the front of the table and provides the following controls:

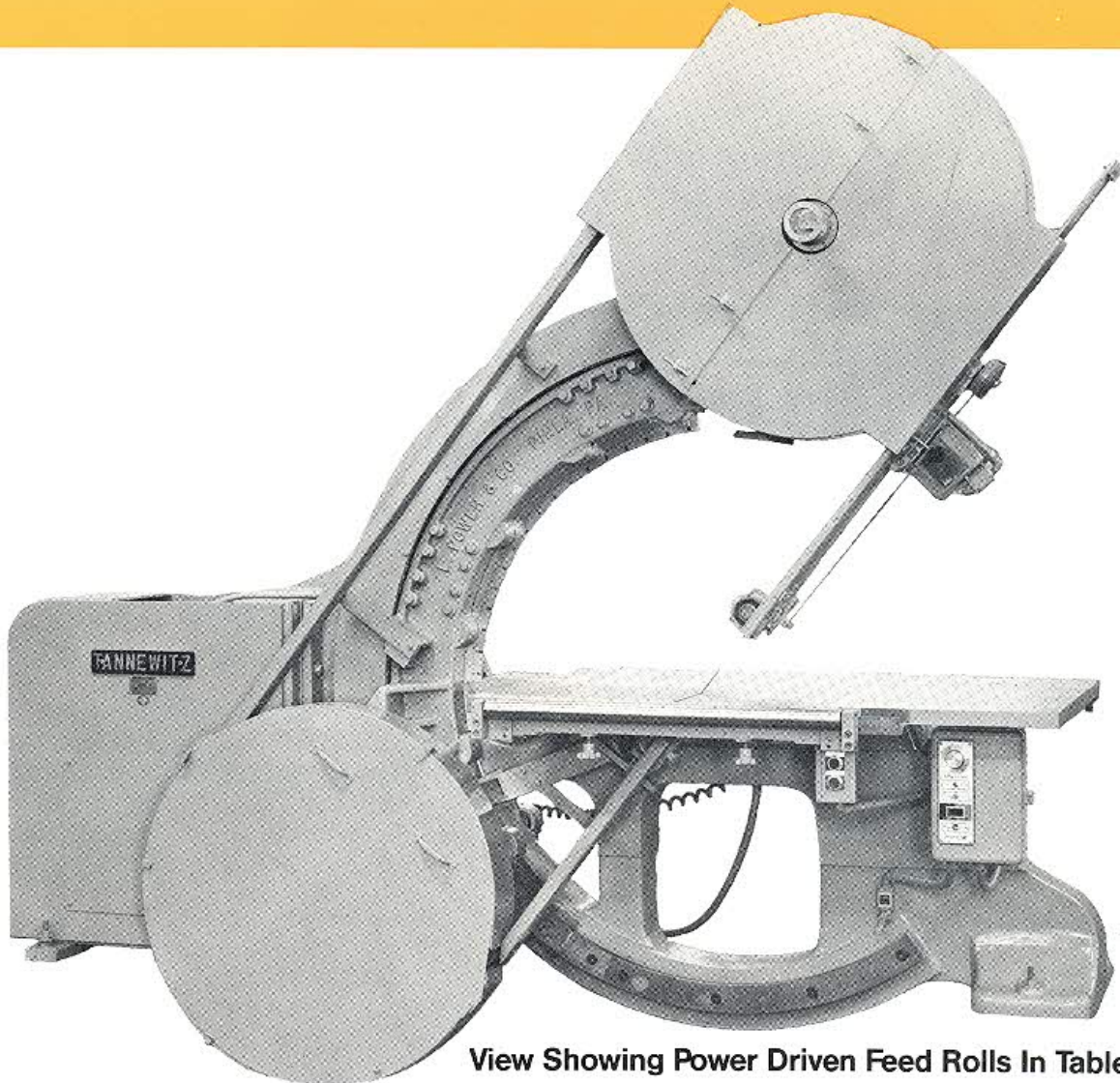
- START-STOP to the Saw Blade or Wheels
- FORWARD-REVERSE-STOP-To Angling Motion
- JOG FORWARD—JOG REVERSE To Angling Motion
- FORWARD-REVERSE-STOP To Table Rolls when furnished.

The built in brake on the angling motor functions to stop the angling motion as soon as the current is shut off, and provides an easy method for close setting to angles by using the push button controls. Limit switches guard the extreme angles of the machine.

Guards are of steel construction enclosing wheels and saw except at cutting area. Both guards have doors to permit access for changing blades. The left travel of the blade is enclosed in a sheet metal guard.

Plain Table measures 44" x 41" long with idler rollers provided both front and rear, and a machined frame clamping the front edge of the table supporting the slit necessary to permit inserting the saw blade.

Optional—Power Driven Rolls In Table can be furnished when specified. The table supporting this design measures 45" x 67". The rolls are of large diameter fluted to give traction to the feed, and provided with a quick acting-lever operated mechanism for raising or lowering the rolls with relation to the table level. The rolls are power driven through machine cut spur gears and worm drive, with a 1 H.P. D.C. motor for Varispeed drive. The reversing feature permits returning the piece for another cut.



View Showing Power Driven Feed Rolls In Table

Specifications:

Overall Height Including Bottom of Pit	136"
Overall Length	10½ Feet.
Overall Width	54"
Clearance saw to Frame Vertical	29"
Clearance Saw to Frame at 45 Degrees	29"
Clearance Under Guide When Vertical	24"
Clarence Under Guide at 45 Degrees	16"
Net Weight With Plain Table	7000 lbs.
Net Weight Extra When Power Driven Rolls are Used	500 lbs.
Shipping Weight With Plain Table	7600 lbs.
Boxed Weight With Plain Table	8000 lbs.
Cubic Feet With Plain Table	480

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