

KALAMAZOO MACHINE TOOL HORIZONTAL BAND SAWING MACHINES



Kalamazoo
Machine Tool

Manual
Semi-Automatic
Fully Automatic
Models

Catalog H2006



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Manual Band Saws

For tubes, pipes, light structurals, small solids

H235 and H275 machines are generally not considered production machines but may be used in production under carefully considered applications.

Miters quickly & easily, up to 60 degrees to right. Your material stays in-line, and the sawframe is accurately set to the desired angle. Both models feature infinitely variable blade speeds. Our carefully engineered drive utilizes your single phase power supply and transforms it to utilize a 230 volt 3-phase blade drive motor. Drive motor is coupled directly to worm gear drive (no belts) for smooth transmission of power to the sawblade.

The sawguides are carbide. The guide supports are rigid. The sawframe is box welded construction, and the results are straight cuts. Operation: Manual sawframe raise, manual vise, hydraulic/solenoid powered downfeed.

Note: Sawframe lift requires 10-12lb

Features

Failsafe operation; "Ready" indicator for power on, correct blade tension, broken blade, bandwheel cover open.



Conveniently located hydraulic feed control, blade speed knob, indicator lights and emergency stop button.



Model H235
8" Capacity



Model H275
10" Capacity

SPECIFICATIONS

	H235	H275	
SIZE CAPACITY	8"	10"	
See below for details			
BLADE DRIVE HP	1	2	
BLADE SPEEDS	65-320 fpm	65-320 fpm	
BLADE SIZE	3/4" x 8' 7"	1" x 10' 1"	
MATERIAL WORKING HEIGHT	29 1/2"	37"	
From floor to table top			
COOLANT TANK CAPACITY	1 Gal	4 Gal	
VISE OPENING	9"	11"	
MACHINE WEIGHT	450 lb.	600 lb.	
MACHINE DIMENSIONS	28" x 47"	33" x 59"	
AVAILABLE ELECTRICALS	115v 1Ph	220v 1Ph	
CAPACITY DETAILS			
90 DEGREES	8 1/2"	10"	
45 DEGREES LEFT	n/a	n/a	
45 DEGREES RIGHT	5"	7"	
60 DEGREES RIGHT	2 3/4"	4"	

Capacities shown are max round material. Each individual cutting job must be

AutoCut Band Saws

For structurals and solids, up to the maximum machine capacity



Model H310M
10" Capacity



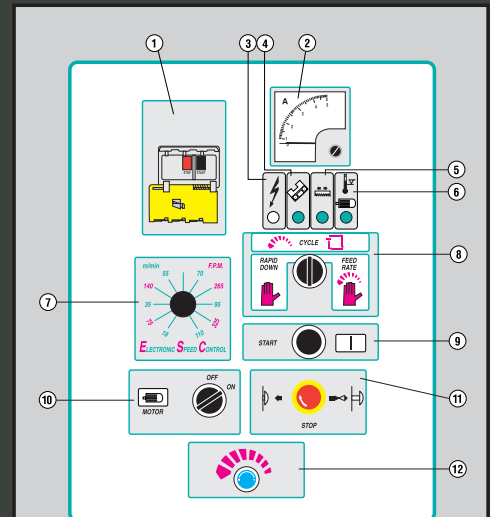
Model H350M
12" Capacity
Shown with optional
measuring system

AutoCut Series Mitering Bandsaws miter up to 45 degrees left and 60 degrees to the right.

AutoCut means operation is push button, vising is quick and simple, and operators data include blade speeds, power on, drive motor load, blade tension, broken blade, and overload conditions.

Operation: Manual sawframe lift, hydraulic/solenoid powered downfeed control.

Notes: Sawframe lift requires 10-12lb



- 1 - Power Disconnect
- 2 - Drive Load Meter
- 3 - Power ON Indicator
- 4 - Bandwheel Cover Safety
- 5 - Blade Tension Indicator
- 6 - Motor Overload Indicator
- 7 - Blade Speed Indicator
- 8 - Set up Control
 - a. Rapid Down
 - b. Cycle Mode
 - c. Feed Rate Adjust
- 9 - Cycle Start
- 10 - Blade Drive ON/OFF
- 11 - Emergency Stop
- 12 - Feed Speed Control

Standard Equipment

- One HSS bi-metal sawblade
- Low-volt control
- Low-volt/undervolt shutoff
- TEFC 3 phase drive motor
- Totally enclosed worm gear transmission
- Full Coolant System
- Full Blade Guarding
- Operators Manual
- Parts List/Schematics
- Tool kit

	H310 M 10"	H350M 12"
		3
	60-360 fpm	60-360 fpm
	1" x 9' 1"	1" x 11" 1"
	37"	37"
	4 Gal	5 Gal
	12"	13 3/4"
	850 lb.	1500 lb
	38" x 66"	60" x 72"
	3 Phase	3 Phase
	10"	12"
	6 1/4"	10"
	8 1/4"	10"
	5 1/4"	6 1/2"



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Semi-automatic horizontal bandsaws allow quick and easy setup and operation.

All major components are cast iron for solid, vibration-free production cutting. Machine operation is full cycle semi-automatic. Material size is automatically sensed by the sawframe. With the push of a single button, the vise clamps, sawframe makes the cut at preset rate, automatically returns to clear workpiece, vise opens, ready for the next cut. Production sawing can be very fast! Operation: Powered sawframe raise and lower, powered vise, semi-automatic operation.

Standard Equipment

- One HSS bi-metal sawblade
- Low-volt control
- Low-volt/undervolt shutoff
- TEFC 3 phase drive motor
- Totally enclosed worm gear transmission
- Full Coolant System
- Full Blade Guarding
- Operators Manual/Parts List/Schematics
- Tool kit

SPECIFICATIONS

	H310 SA	H350SA
SIZE CAPACITY See below for details	10"	12"
BLADE DRIVE HP	2	3
BLADE SPEEDS All models infinitely variable	60-360 fpm	60-360 fpm
BLADE SIZE	1" x 9' 1"	1" x 11" 1"
MATERIAL WORKING HEIGHT From floor to table top	37"	37"
COOLANT TANK CAPACITY	5 Gal	5 Gal
VISE OPENING	12 1/2"	13 3/4"
MACHINE WEIGHT	1000 lb.	1700 lb
MACHINE FLOOR DIMENSIONS	34" X 44"	60" x 72"
AVAILABLE ELECTRICALS	3 Phase	3 Phase
CAPACITY DETAILS		
90 DEGREES	10"	12"
45 DEGREES LEFT	6"	10"
45 DEGREES RIGHT	8"	10"
60 DEGREES RIGHT	5"	6 1/2"

Capacities shown are max round material. Each individual cutting job must be considered with regards to type and shape of material, and quantity of pieces per day.

Semi-Automat
For production sawing of so

Double Mitering
45 degrees left, 60 degrees right



Model H310SA
10" Capacity



Model H350SA
12" Capacity



Automatic material sensor minimizes machine setup on semi-automatic models

Electric Band Saws

Solid materials and structurals

Double Mitering

60 degrees left, 60 degrees right
Saw frame canted 5°

Semi-automatic horizontal bandsaws allow quick and easy setup and operation. Major components are massive for solid, vibration-free production cutting. Machine operation is full cycle, semi-automatic. Material size is automatically sensed by the sawframe.

With the push of a single button, the vise clamps, sawframe makes the cut at preset rate, automatically returns to clear workpiece, vise opens, ready for the next cut. Production sawing can be very fast! Fully hydraulic, with free-standing operators console that may be conveniently placed in the most advantageous operator location.

Standard Equipment

- One HSS bi-metal sawblade
- Low-volt control
- Low-volt/undervolt shutoff
- Blade tension indicator
- Broken blade shutoff
- Blade cleaning brush
- Infeed & outfeed material support rollers
- TEFC 3 phase drive motor
- Totally enclosed worm gear transmission
- Full Coolant System, Flushing hose
- Full Blade Guarding
- Operators Manual/Parts List/Schematics
- Tool kit



Model KS450
14" Capacity



Model KS600
20" Capacity

SPECIFICATIONS

	KS 450	KS 600
SIZE CAPACITY	14"	20"
See below for details		
BLADE DRIVE HP	3	4
BLADE SPEEDS	60-360 fpm	60-360 fpm
All models infinitely variable		
BLADE SIZE	1" x 12' 10"	1 1/4" x 17" 5"
MATERIAL WORKING HEIGHT	37"	37"
From floor to table top		
COOLANT TANK CAPACITY	10 Gal	15 Gal
WISE OPENING	18"	24"
MACHINE WEIGHT	2200 lb	3200 lb
FOOTPRINT	55" X 77"	60" x 98"
AVAILABLE ELECTRICALS	3 Phase	3 Phase
CAPACITY DETAILS		
90 DEGREES	14"	20"
45 DEGREES LEFT	12"	17"
60 DEGREES LEFT	6"	9"
45 DEGREES RIGHT	12"	17"
60 DEGREES RIGHT	8"	12"



Sawframe canted 5° allows sawblade to freely and easily cut through the bottom of structural section without vibration, binding, or slowdown of sawing rates.

See Accessories – Back page



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Models H310A and H350A are fully hydraulic, with a shuttle barfeed and heavy duty carbide guides. Mitering capability is manual, up to 60 degrees to the right. Setup is quick and easy, with all functions convenient to the operator. Construction is one piece unified construction so the machine maintains alignment and accuracy throughout its' entire lift.



Fully Automatic
For production

SPECIFICATIONS

Model H310A
10" Capacity

	H310A	H350A
Size Capacity	10"	12"
Blade Speeds	60-360 fpm	60-360 fpm
Blade Width	1"	1"
Blade Length	9' 1"	11' 1"
Blade Tension	Manual tension w/ tension indicator	
Blade Guides	Carbide	Carbide
Vises	Hydraulic	Hydraulic
Feeder Stroke (1 feed)	20"	20"
Max Automatic Length	unlimited	unlimited
Approx. Leftover Matr.	8"	5"
Feed Accuracy	+/- 0.008"	+/- 0.008"
Blade Drive	2HP	3HP
Hydraulic Drive	1 1/2 HP	1 1/2 HP
Hydraulic Tank	5 Gal	5 Gal
Coolant Tank	10 Gal	10 Gal
Work Height	37"	37"
Weight	1400 lb	2000 lb
Capacity Details		
90 Degrees	10"	12"
45 Degrees	8"	10"
60 Degrees	5"	6 1/2"
Machine Dimensions		
Across Front	73"	86"
Front to Back	68"	70"

Standard Equipment

- One HSS bi-metal sawblade
- Low-volt control
- Low-volt/undervolt shutoff
- TEFC 3 phase drive motor
- Totally enclosed worm gear transmission
- Full Coolant System
- Full Blade Guarding
- Operators Manual/Parts list/Schematics
- Tool kit

Capacities shown are max round material. Each individual cutting job must be considered with regards to type and shape of material, and quantity of pieces per day.

Horizontal Band saws sawing



Model H360A
12" Capacity

Sawing Controls
Simple, logical, and
easy to understand

- 1 - Digital Display
- 2 - E-Stop
- 3 - Cycle Select
- 4 - Coolant Controls
- 5 - Cycle Start & Stop
- 6 - Vise Clamp & Unclamp
- 7 - Raise/Lower
- 8 - Height & Depth Select
- 9 - Blade Speeds Select
- 10 - Blade Speed Display
Ammeter Display
Scroll Button
- 11 - Piece Counter
Blade Life
Cycle Timer

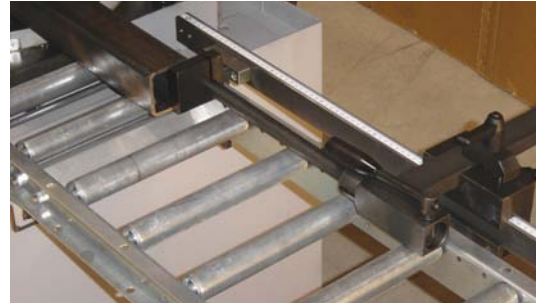


Model H310A
10" Capacity
View of infeed

ACCESSORIES



Custom Roller Conveyor w/micro-adjustable legs, mounted to machine, 5' and 10' lengths available.



Accu-cut custom length system
Stop with scale, micro-adjustable legs.



Custom worktable/conveyor w/micro-adjustable legs, mounted to machine.
Cover plates between rollers provide worktable surface 72" and 144" lengths available



Custom worktable/conveyor with Accu-cut custom length system Stop with scale, micro-adjustable legs 72" and 144" lengths available



Vertical Side Guide Rollers
For Custom conveyors only



Freestanding Roller Conveyors 5' and 10' lengths available



Top Clamp
Semi-automatic models only



Footswitch
Semi-automatic models only

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