

# horizontal saws

## horizontal saws



### **intermediate duty**

*Johnson model SE712*

*Johnson model SE912*

### **standard duty**

*Johnson model J10W*

### **heavy duty**

*Johnson model JH10D*

*Johnson model JH10W*

### **fabrication**

*SAR 220*

*SAR 250 GDS*

### **production**

*Johnson model LE10A*

*Johnson model LE13A*

**DAKE**®

**P**erhaps no tool takes more abuse than a horizontal band saw. And nobody offers more dependable, more trouble-free horizontal band saws than Dake/Johnson. And it all stems from our heavy-duty, double-frame construction, an industry standard since 1941. Since then, our four models of horizontal saws have provided problem-free performance and maintenance-free operation, year after year.

### **Models SE712 and SE912**

“Best buy” saws for shop or light production that can handle stock up to 9” rounds or 9 x 12” flats.

### **Model JH10**

This model has proved to be the leader for accuracy, dependability, and low cost.

This model features a dual cast head frame, cast table, and cast tripod base to maximize rigidity and minimize vibration.

### **Models SAR 220 and SAR 250 GDS**

For fabrication work requiring fast, accurate miter cuts, the SAR saws, with an easy mitering head and efficient direct drive transmission, have the versatility and flexibility to get the job done.

### **Models LE10A and LE1013**

With state-of-the-art hydraulics, feed system, and PLC control, this fully automatic saw is ideal for heavy duty high production.



Dake  
value

# Johnson Models SE712 and SE912

The medium duty saws that work harder because they're built better

## features

- **Accurate cutting**—vibration free cast/machined table bed, heavy steel base, horizontally mounted guide arms, and adjustable blade guides and rollers.
- **Rugged gear box**—bronze and steel gears, powering a fast-change, 4-speed, v-belt drive.
- **Operator safety**—CE approved low voltage safety reset, thermo overload protection, auto shut off, blade guards, safety interlocks.
- **Hydraulic control**—for feeding stock at variable rates and to lock head at any height.
- **Quick release vise**—hand wheel action for fast change of material sizes.
- **Convenience**—chip brush blade cleaner, storage in base and wheels that roll easily.
- **Wet/dry cutting**—with coolant pump system.
- **Simple operation**—clearly marked controls.



## specifications

model	number	capacity	blade width	blade length	blade speed
		inches	inches	inches	fpm
<b>SE712</b>	983100-1	90°—7 Rounds, 7x12 Flats 45°—4 Rounds, 3 <sup>3</sup> / <sub>4</sub> x5 <sup>1</sup> / <sub>2</sub> Flats	3/4	93	85/130/180/235
<b>SE912</b>	983101-1	90°—9 Rounds, 9x12 Flats 45°—3 <sup>1</sup> / <sub>2</sub> Rounds, 3 <sup>1</sup> / <sub>2</sub> x7 <sup>1</sup> / <sub>2</sub> Flats	1	104 <sup>1</sup> / <sub>2</sub>	98/164/246/328

Specifications subject to change without notice.





For more information call 800-937-3253

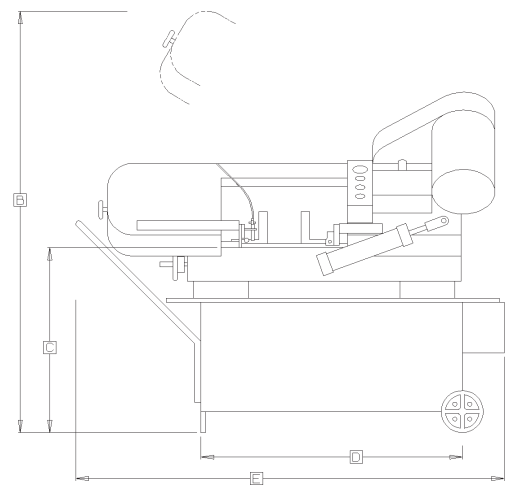
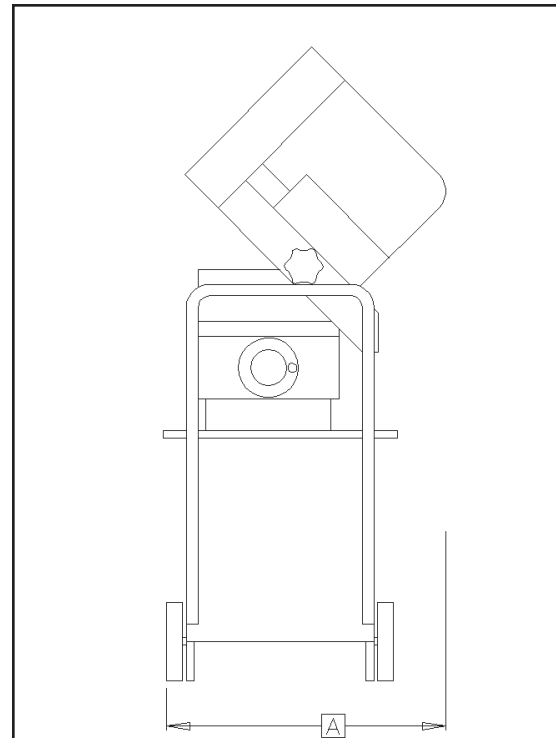
**models**

**SE712**

**SE912**

**standard equipment**

- Recirculating coolant system
- Low voltage controls with thermo overload
- Sturdy steel base with wheels
- Vertical cutting table on SE712



<i>bed work (area)</i>	<i>drive motor</i>	<i>coolant</i>	<i>floor space</i>	<i>height (closed)</i>	<i>height (open)</i>	<i>floor to bed</i>	<i>weight</i>
	<i>h.p.</i>		<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>pounds</i>
21 x 9"	¾	yes	56x21	39	63½	21¾	350
24½ x 9"	1	yes	56x21	41	59	21¾	520

# Johnson Model JH10W

Heavy duty saw with dual cast head frame

## features

- Large Capacity
- Extreme strength
- Three-point suspension
- Adjustable eccentric roller blade guides
- Centralized controls
- Accurate, hydraulic control
- Four-speed drive
- 45° swivel vise jaws
- Heavy 16" blade wheels
- Enclosed gear case
- Double frame construction
- Trouble-free hydraulic cylinder
- Ring gear and pinion drive
- Dead axles
- Chip-free frame
- Zerk fittings at lube points



## specifications

model	number	capacity	blade width	blade length	bed (work area)	drive motor	coolant
		inches	inches		inches	h.p.	
<b>JH10W1</b>	85017	10 Rounds, 18 Flats	1	11'5" (137")	11x18	1	yes
<b>JH10W3</b>	85018	10 Rounds, 18 Flats	1	11'5" (137")	11x18	1	yes

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**models**

**JH10W1**

■ *Electrics—*  
110/220-60-1

**JH10W3**

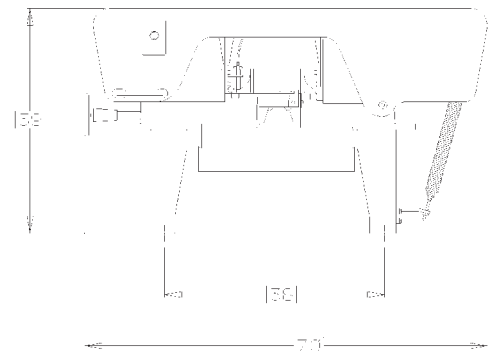
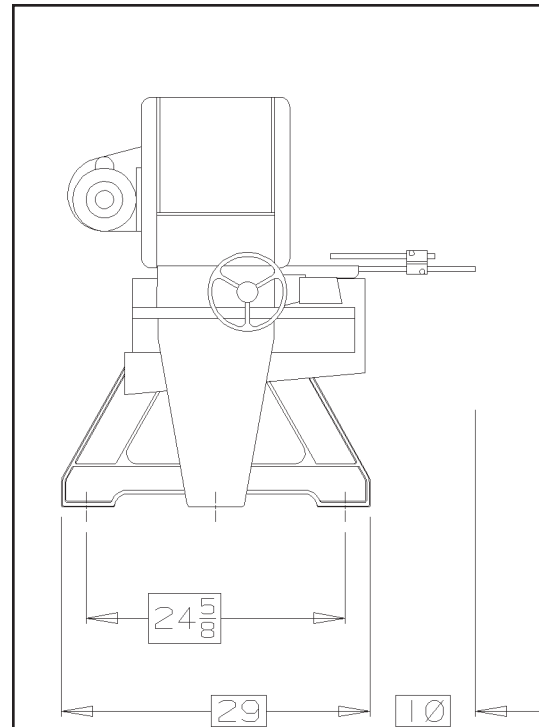
■ *Electrics—*  
220/440-60-3

**standard equipment**

- **Blade Speed**— V Belt, 4 Speed (50, 90, 160, 270 F.P.M.)
- **Blade Tension**— Manual, Handwheel
- **Vise**— 5" x 11" (45° Swivel Jaws)
- **Frame Feed Control**— Hydraulic
- **Starter**— Magnetic
- **Coolant Attachment**— Submersible Electric Pump

**optional equipment**

- **Casters**
- **Worklight**
- **Outboard Table**
- **Stock Stand**



floor space	height (closed)	height w/ casters (opt.)	height (open)	floor to bed	floor to bed w/ casters (opt.)	weight
inches	inches	inches	inches	inches	inches	pounds
29x70	39	43	63	23 <sup>3</sup> / <sub>4</sub>	27 <sup>3</sup> / <sub>4</sub>	935
29x70	39	43	63	23 <sup>3</sup> / <sub>4</sub>	27 <sup>3</sup> / <sub>4</sub>	935

# Mitering Bandsaws

Unique design makes this bandsaw a real problem solver and an exceptional value

## features

■ **Head down feed** is gravity fed and controlled by way of an infinitely variable flow control valve. The flow control allows for pre-setting the down feed rate and retaining this setting at the end of the cut. To minimize dead air cutting, manually raise the head to just above the material. Start the next cut by pushing in the knob and the head descends at the pre-set speed. Blade automatically shuts off at the end of the cut.

■ **Heavy cast head frame** for rigidity and roller and carbide guides for optimum cutting quality. Easily set the most appropriate blade and head descend speed according to the stock material, size and shape for maximum efficiency.

■ **Vises.** Quick set cam-activated type. Adjustable vise with handwheel for initial set up and quick release cam lever for repeat cutting. Vise on the 250 GDS model is gib adjustable.

■ **Drive System.** Direct drive means full power to the drive wheel without horse power loss through belts and pulleys. Low maintenance without belts and pulleys.

■ **Miter up to 60°** to the right, and anywhere in between. The head, not the material, rotates for angle cutting. (250 GDS will miter up to 45° left.)



## specifications

model	number	voltage	maximum blade size	maximum vise opening	motor horsepower	blade speeds	weight
			inches	inches		fpm	pounds
<b>SAR 220</b>	974017	230 or 460, 3 phase	96½ x 1	10½	2	112/230	728
<b>SAR 250 GDS</b>	974018	230 or 460, 3 phase	109 x 1	12	2	115/230	948

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**models**

**SAR 220**

**SAR 250 GDS**

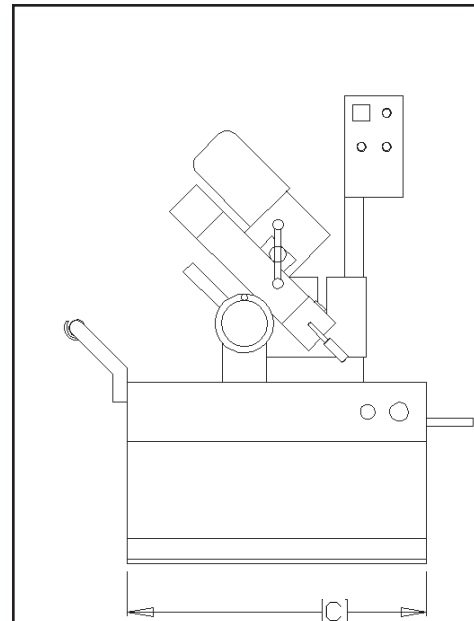
**standard equipment**

- Low profile fabricated oversize steel base
- Coolant pump—electric with flow control
- Vises—quick set cam action type
- Head Feed—hydraulic regulated head down feed rate
- Combination guides—roller and carbide
- Direct drive gear box

- CE certified electrical—low voltage controls, thermo overload, low voltage coil
- Door interlocks and end of cut shut off
- Mechanical blade tensioning—blade breakage shut off
- Adjustable manual head return
- Stock stop
- Material support roller
- Push/pull head feed lock out valve

**optional equipment**

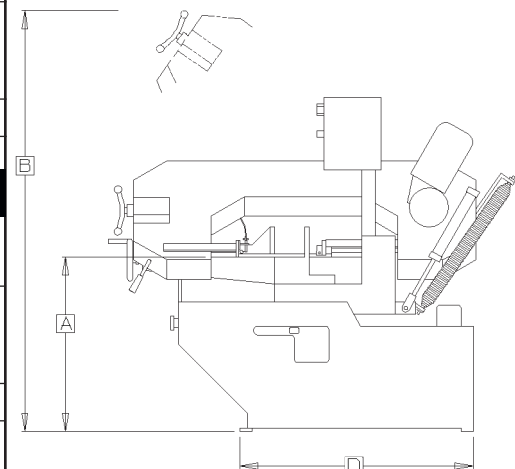
- Inbound and outbound roller tables—heavy duty 78" covered tables. Outbound has scale and positive stop assembly.



	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
model	work table height	height	floor space left to right	floor space front to back
	inches	inches	inches	inches
<b>SAR 220</b>	29½	61	33	58
<b>SAR 250 GDS</b>	27½	70	43	79

**capacity**

●	●	●	■	■	■	■	■	■
90°	45° right	60° right	90°	45° right	60° right	90°	45° right	60° right
inches	inches	inches	inches	inches	inches	inches	inches	inches
9	5½	3½	8	5½	3½	9½x6	5½x5½	3½x3½
10	7½	4¼	10	7	4¼	11¾x8	7½x6½	4¼x6





# Johnson Models LE10A and LE13A

An unbeatable combination of cutting precision and operator convenience for heavy duty high production

## features

■ **Advanced hydraulic system**—regulates variable head feed rate for hands free cutting and incorporates a hydraulics on demand system so pump runs only when vises and head control are in use. It's quiet and keeps oil temperature low for trouble free performance.

■ **Smart feed system**—will multiple feed 9-times up to 16" in a single stroke with an accuracy of 0.2mm. Feed length adjusts easily using handwheel and read-out is conveniently mounted on machine front. Quick change stock system utilizes a vice with ratchet and pawl, 2½" hardened rails.

■ **Guide arms**—are the key to getting straight cuts so they are vertically mounted for more rigidity and feature self-adjusted inserts which can be easily released and tightened with a knurled knob.

■ **Cutting data indicator**—helps operator select best blade and head descend speed based on stock material, size and shape.

■ **Vises**—quick set ratchet type. Clamping in front and back of the blade for less than a 2" remnant and minimized burr.



## specifications

model	number	capacity	blade width	blade length	drive motor	coolant	floor space with feed table	floor space without feed table
		inches	inches	inches	h.p.		inches	inches
<b>LE10A</b>	83102	10 Rounds, 7x12 Flats	1	138	3	Yes	76x153	76x69
<b>LE13A</b>	83103	13 Rounds, 10x14 Flats	1¼	151	5	Yes	76x160	76x76

Specifications subject to change without notice.



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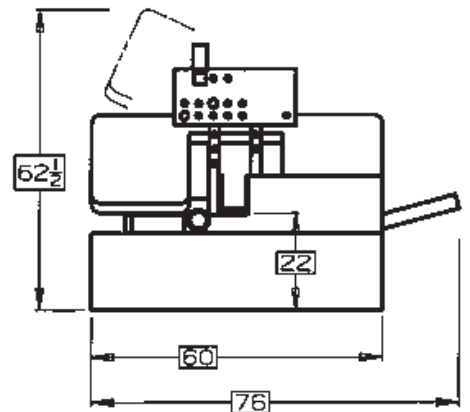
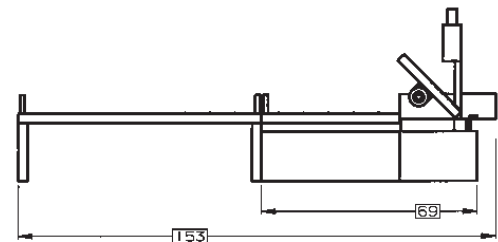
**models**

**LE10A**

**LE13A**

**standard equipment**

- Auger style chip conveyer
- Vertical bundling vise
- 72" Roller table
- Hydraulic pump— 1 hp
- Coolant pump— Gear type 1/8 hp
- Vises— Quick set ratchet type. Clamping pressure is 600 lbs.
- Head feed— Hydraulic regulated with rpm compensation feed back.
- Piece counter— 9,999 piece with auto shut off.
- Rapid head approach— Sure stop hydraulically controlled.
- System control— PLC
- Warning light
- Chip brush— Speed synchronized.
- Tool kit— Standard screw drivers, wrenches and allen keys.
- Spare parts— Standard 3 pcs. chip brushes, guide bearing replacements.
- Work light



height (open)	height (closed)	blade speeds	feed stroke min.-max.	multiple stroke	weight
inches	inches				pounds
68	22	88/130/177/223/262	3/8-16	9 times	2,645
72	24	88/130/177/223/262	3/8-16	9 times	3,196