

JLH

Since 1983

COLUMN TYPE HEAVY-DUTY FULLY AUTOMATIC BAND SAW

H-320PRO+

TYPICAL APPLICATIONS

- EHA High-Precision Electro-Hydrostatic Actuation System
- Rigid Machine Frame & Structural Design
- Intelligent Cutting & Feed Control System
- Automation-Oriented Design for Productivity



Innovating The Future of Sawing



JLH-EHA

The EHA electro-hydrostatic actuation system provides highly precise and responsive control of feed rate and cutting pressure, ensuring consistent cutting performance and superior accuracy across a wide range of materials and cutting conditions.

- Cut flatness and verticality deviation $\leq 0.2 / 100$ mm
- Blade life extended by more than 25%
- Adaptive control for thin-walled profiles and thick, high-strength materials

Standard Features

- CE standard fully enclosed protection
- JLH-EHA
- Saw Master
- CE Electrical Safety
- Permanent Magnetic synch. Motor
- Sawbow anti-collision detection
- LED working light
- Laser line projection
- Blade breakage detection
- Sawing Depth Control
- HMI+Buttons
- Inverter
- Deviation detector
- Hydraulic Blade tension
- Vise pressure differential valves
- Automatic chip conveyor (spiral)
- Hydraulic blade guide clamping
- Vise pressure regulator
- Motorized chip brush
- Hydraulic cooling fan
- Auto Lubrication device
- Roller type work table
- Hydraulic feeding
- Main drive precision gear reducer
- Split Vise clamping
- Hydraulic movable Guide arm
- Chip collection box 40(L)
- Tool box (wire brush, levelling pads, spare paint)
- One piece Saw blade

Optional Features

- UL Electrical Safety
- 0-start (first cut option)
- Top clamp
- Servo feeding
- Chip collection box (movable) 70 (L)
- Transport underframe for containers



TECHNICAL DATA

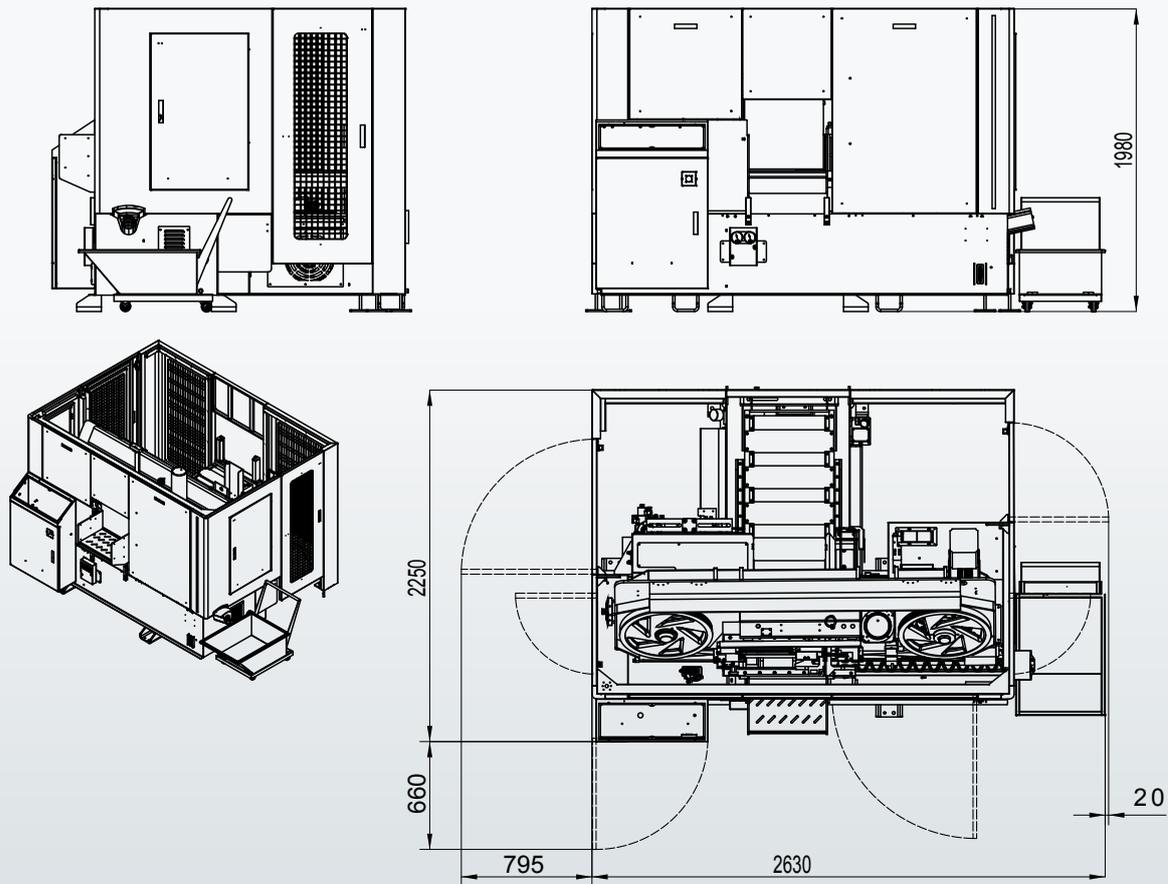
| | Item | Specification |
|--------------------|---|--|
| Cutting Capacity | Cutting Capacity (Round) | Ø320 mm (Ø12.6 in) |
| | Cutting Capacity (Square W × H) | 320 × 320 mm (12.6 × 12.6 in) |
| | Smallest Size to be Cut | 10 × 10 mm (0.4 × 0.4 in) |
| | Clamping Range | 0 – 320 mm (0 – 12.6 in) |
| | Bundle Cutting Range | 160 × 100 – 260 × 130 mm (6.3 × 3.9 – 10.2 × 5.1 in) |
| | Shortest Cut-off Length | 5 mm (0.2 in) |
| | Shortest Remnant Length (Automatic)* | 130 mm (5.12 in) |
| | Shortest Remnant Length (Single Cut) | 20 mm (0.8 in) |
| Machine Dimensions | Length | 2250 mm (88.6 in) |
| | Width (Including Chip Conveyor) | 2630 mm (103.5 in) |
| | Height | 1980 mm (78 in) |
| | Material Support Height | 830 mm (32.7 in) |
| | Total Weight | ≈ 1900 kg (4188 lb) |
| Drive & Power | Total Connected Load | 8.2 kW (10.9 hp) |
| | Saw Motor Power | 5 kW (6.66 hp) |
| | Hydraulic Motor Power | 0.75 kW (1 hp) |
| Cutting & Feeding | Cutting Speed (Infinitely Variable) | 20 – 80 m/min (65.6 – 262.4 ft/min) |
| | Saw Feed Speed | 1 – 300 mm/min (0.04 – 11.8 in/min) |
| | Automatic Material Feed Length (Single) | 500 mm (19.69 in) |
| | Automatic Material Feed Length (Multiple) | 9999 mm (393.66 in) |
| Saw Blade | Saw Blade Dimensions (L × W × T) | 4115 × 34 × 1.1 mm (162 × 1.3 × 0.04 in) |

CUTTING PERFORMANCE EXAMPLE

Material Size: Ø180 mm Material: SUS304

| Item | Specification |
|--------------------------|-------------------------|
| Blade Brand | JLH SS |
| Blade Size | 4115 × 34 × 1.1 mm |
| Cutting Rate | 32 cm ² /min |
| Cutting Time per Piece | 7 min 56 sec |
| First Blade Output | 177 pcs |
| First Blade Cutting Area | 4.5 m ² |

*Actual performance may vary depending on material condition and tooling.



JLH SAWS INTERNATIONAL INC.

Request detailed technical data, configuration options or quotation

www.jlhsaws.com