



Semi-automatic Heavyduty Bandsaws

- Model Number : SH-1080D
- Design Style : Large Section Cutting: Billets, Ingots, Dies, Plates

Specifications

Max. Capacity	Round	800 mm (31.5")
	Square	800 mm (31.5")
	Rectangular(H x W)	800 x 1000 mm (31.5" x 39.4")
Saw Blade	Size(LxWxT)	8800L x 67W x 1.6Tmm (346.5" x 2.6" x 0.06")
	Speed	15-80 m/min. (49-264 fpm)
	Tension	Hydraulic Controlled
	Guide	Tungsten Carbide Blade Guide (Hydraulic Clamping Force)
	Cleaning	Electric Power Driven Wire Brush
Motor Output	Blade	15 HP (11.2 KW)
	Hydraulic	3 HP (2.2 KW)
	Coolant	0.25 HP (0.19 KW)
Tank Capacity	Hydraulic Oil	100 Liter
	Coolant	120 Liter
Vise Control Method		Hydraulic
Split Vise		Yes
Double Sides Material Feeding		Yes
Weight		10000 Kgs (22000 lbs)
A (Bed Height)		640 mm (25.2")
B (Length)		2286 mm (90")
C (Width)		4293 mm (169")
D (Height)		2667 mm (105")

Machine Features

Features of SH-1080D

Standard Features

I Twin Columns design

Rigid design includes the main and the sub columns. The cutting force distributes from top

to bottom of the machine frame during the cutting period.

I Double Cylinders Hydraulic Circuit Design

Use double cylinders to smoothly rise up and lower down the sawhead, meanwhile, the vibration during cutting procedure will be eliminated because of the strong support.

I Cast Iron Bandwheels

Made by a high-class cast iron with the huge diameter to drive the saw blade.

Inverter-Controlled Blade Speed

Use the precise inverter (Telemecanique brand) to cooperate with **15HP blade motor**, the blade speed can be adjusted from 15m/min to 80m/min stepless in accordance with the different cutting speeds requirement for various material characteristics.

I Hydraulic Tungsten Carbide Blade Guide

Hydraulic controlled tungsten carbide blade guide clamp the blade securely. Convenient to control the motion on the control panel. The groove shaped design ensures the cutting fluid to pass through the blade guide and the blade, then gets into the cutting area of the material, thus the full cooling condition can be achieved and it extends the saw blade life.

I Hydraulic-Controlled Blade Tension Device

The blade tension is hydraulic controlled. In addition, when the machine is not in use, the tension can be released to a slacken condition to avoid elastic fatigue.

I Hydraulic Driven Guide Arm

The hydraulic driven guide arm allows the user to position the guide arm on the control panel without manual adjustment.

I Safety Consideration of the Wiring and Pipes

The conduits protect the electric wiring and the hydraulic circuit pipes.

I Safety Protection Design of the Saw Blade

The auto motion detectors are interlocked with the control system so that any abnormal conditions such as the blade slippage or breakage can be detected quickly and then the machine stops immediately.

I Planetary Gear Reducer (OPTIONAL)

The planetary gear reducer ensures high transmission efficiency.

I Independent Wire Brush Driving System

The independent wire brush driving system rotates at the same speed with the blade to obtain the best chip-wiping condition.

I Last Cut Function

Automatically stops the machine and shuts down the hydraulic system at the end of the last cut.

I Robust Machine Structure

Compared with other brands, the machine structure of SH-1080D is designed under the rugged consideration and allows doing the heavy cutting job.

I Precise Flow Control Valve

Use the precise flow control valve to finely adjust the cutting speed and achieve the perfect cutting condition.

All designs & specification are subject to change without notice or obligation.