



Model SB1001 8K™, 8" x 18" Lathe

Product Dimensions

Weight..... 268 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 40 x 18 x 19 in.
 Footprint (Length x Width)..... 35-1/2 x 6-1/4 in.

Shipping Dimensions

Type..... Wood Crate
 Content..... Machine
 Weight..... 282 lbs.
 Length x Width x Height..... 43 x 20 x 24 in.

Electrical

Power Requirement..... 120V, Single-Phase, 60 Hz
 Full-Load Current Rating..... 10A
 Minimum Circuit Size..... 15A
 Cord Length..... 5 ft.
 Cord Gauge..... 14 Gauge
 Plug Included..... Yes
 Included Plug Type..... NEMA 5-15

Motors

Main

Type..... Universal
 Horsepower..... 1-1/2 HP
 Voltage..... 120V
 Amps..... 10A
 Speed..... 3600 RPM
 Power Transfer Belt
 Bearings..... Shielded and Permanently Sealed

Main Specifications

Operation Info

Swing Over Bed..... 8 in.
 Distance Between Centers..... 18 in.
 Swing Over Cross Slide..... 5 in.
 Swing Over Saddle..... 5 in.
 Maximum Tool Bit Size..... 5/8 in.
 Compound Travel..... 2-5/8 in.
 Carriage Travel..... 17-5/8 in.
 Cross Slide Travel..... 3-1/4 in.

Headstock Info

Spindle Bore.....	1-1/8 in.
Spindle Size.....	3-5/8 in.
Spindle Taper.....	MT#3
Number of Spindle Speeds.....	Variable
Spindle Speeds.....	50 – 2300 RPM
Spindle Type.....	D1-3
Spindle Bearings.....	Tapered Roller Bearing 32009 P5

Tailstock Info

Tailstock Quill Travel.....	1-3/4 in.
Tailstock Taper.....	MT#2
Tailstock Barrel Diameter.....	1-3/16 in.

Threading Info

Number of Longitudinal Feeds.....	9
Range of Longitudinal Feeds.....	0.0030 – 0.0051 in./rev.
Number of Inch Threads.....	12
Range of Inch Threads.....	10 - 32 TPI
Number of Metric Threads.....	12
Range of Metric Threads.....	0.4 – 3.0 mm

Dimensions

Bed Width.....	6 in.
Leadscrew Diameter.....	5/8 in.
Leadscrew TPI.....	8
Leadscrew Length.....	38-3/4 in.
Floor to Center Height.....	12 in.

Construction

Base.....	Cast Iron
Headstock.....	Cast Iron
Headstock Gears.....	Steel
Bed.....	Cast Iron
Body.....	Cast Iron

Other

Country Of Origin	China
Warranty	1 Year
Customer Assembly & Setup Time	1 Hour
Sound Rating	82 dB

Features

- Hardened and Ground Signature South Bend 3 V-Way Bed
- Electronic Variable Speed Controls
- 4-Way Tool Post
- Threading Dial Indicator
- Emergency Stop Button
- Inch and Metric Graduations on Tailstock Barrel

Included Accessories

4" 3-Jaw Chuck with Back Plate & Reversible Jaws
MT4.5# to MT#3 Morse Taper Spindle Sleeve
MT#2 Dead Center
MT#3 Dead Center
Complete Set of Change Gears
Hex Wrench Set
Oil Gun
13mm Box End Wrench
14mm Wrench
13 & 16mm Wrench
Tool Box