



Model SB1039

14" x 40" 16 Speed Lathe 220V

Product Dimensions:

Weight 2420 lbs.
 Length/Width/Height 80³/₄" x 32¹/₈" x 54³/₈"
 Foot Print (Length/Width) 80³/₄" x 19¹/₂"

Shipping Dimensions:

Type Wood Slat Crate
 Weight 2684 lbs.
 Length/Width/Height 90" x 40" x 69"

Electrical:

Required Power Source 220V, 3-Phase, 60 Hz
 Switch Magnetic with Thermal Protection
 Switch Voltage 220V
 Recommended Circuit Size 20 Amp
 Plug Included No
 Recommended Plug Type NEMA 15-20

Main

Type TEFC Induction
 Horsepower 5/2.5 HP
 Voltage 220V
 Phase 3-Phase
 Amps 14/10A
 Speed 3450/1725 RPM
 Cycle 60 Hz
 Number Of Speeds Variable
 Power Transfer V-Belt & Gear
 Bearings Shielded and Permanently Sealed

Coolant

Type TEFC Induction
 Horsepower 1/8 HP
 Voltage 220V
 Phase 3-Phase
 Amps 0.3A
 Cycle 60 Hz
 Number of Speeds 1
 Power Transfer Direct Drive
 Bearings Shielded and Permanently Sealed

Main Specifications:

Operation Information

Swing Over Bed	14.17"
Distance Between Centers	40"
Swing Over Cross Slide	8.66"
Swing Over Saddle.....	11.42"
Swing Over Gap	20.94"
Max Tool Bit Size.....	0.75"
Spindle Nose to Gap	6.46"
Compound Slide Travel	4"
Carriage Travel.....	36.5"
Cross Slide Travel.....	7"

Headstock Information

Spindle Bore	1.57"
Spindle Taper.....	MT#5
Number of Spindle Speeds	16
Range of Spindle Speeds	50–2570 RPM
Spindle Type.....	D1-5 Camlock
Spindle Bearings.....	NTN Tapered Roller
Spindle Length.....	20.87"
Spindle Length with 3-Jaw Chuck	28.74"
Spindle Length with 4-Jaw Chuck	30.71"

Tailstock Info

Tailstock Travel	4.5"
Tailstock Taper	MT#3
Tailstock Barrel Diameter.....	1.968"

Threading Info

Number of Inch Threads	45
Range of Inch Threads.....	2–72 TPI
Number of Longitudinal Feeds	17
Range of Longitudinal Feeds	0.002"–0.067"
Number of Cross Feeds	17
Range of Cross Feeds.....	0.001"–0.034"
Number of Metric Threads.....	39
Range of Metric Threads	0.2–14mm
Number of Diametral Pitches	21
Range of Diametral Pitches	8–44 DP
Number of Modular Pitches	18
Range of Modular Pitches	0.3–3.5 MP

Dimensions

Bed Width.....	9"
Leadscrew TPI	4
Leadscrew Length.....	59"
Steady Rest Capacity.....	$\frac{5}{16}$ "– $4\frac{5}{16}$ "
Follow Rest Capacity	$\frac{5}{8}$ "– $3\frac{1}{8}$ "
Faceplate Size	10"
Leadscrew Diameter	$1\frac{1}{8}$ "
Feed Rod Diameter	$\frac{3}{4}$ "
Floor-To-Center Height	$42\frac{5}{8}$ "
Height With Leveling Jacks.....	$54\frac{3}{8}$ "

Construction

Base Construction	Cast Iron
Headstock Construction	Cast Iron
Headstock Gears Construction	Flame Hardened Steel
Bed Construction	Induction Hardened and Ground Cast Iron
Stand Construction	Cast Iron
Paint	Urethane

Other Specifications:

Country Of Origin	Taiwan (Some Components Made in USA and Japan)
Warranty	1 Year
Serial Number Location	ID Label on Rear Side of Left Stand
Customer Setup and Cleaning Time	Approximately 2 Hours
Sound Rating	76db

Features:

- Allen Bradley Electrical Components
- Meehanite Casting, Signature South Bend 3 V-Way Bed
- Safety Chuck Guard with Micro-Switch Shut-Off
- Halogen Work Light (24V/70W)
- 4-Way Tool Post
- Complete Coolant System
- Micrometer Carriage Stop
- Threading Dial Indicator
- NTN Japanese Spindle Bearings
- Full Length Splash Guard
- Front Removable Sliding Chip Tray
- Headstock Gears Run in an Oil Bath
- Completely Enclosed Universal Gearbox for Cutting Inch, Metric, Modular and Diametral Pitches
- Jog Button and Emergency Stop

Accessories Included:

- 8" 3-Jaw Scroll Chuck (Mounted to 8" D1-5 Back Plate)
- 10" 4-Jaw Independent Chuck D1-5
- 12" Faceplate D1-5
- Follow Rest
- Steady Rest with Roller Bearing Tips
- #5 to #3 Morse Taper Spindle Sleeve
- Two Morse Taper #3 Dead Centers (1 Carbon Steel and 1 Carbide-Tipped)
- Six Leveling Pads, Service Tools, Tool Box, and USA Written Manual

Optional Accessories:

- Taper Attachment (Unmounted)
- Collet Attachment 5-C, Quick Change (Unmounted)
- SB1238 Hi-Performance Morse Taper #3 Live Center (Unmounted)
- SB1279 Precision 5-C Collets, Set of Eight (1/8"-1", in 1/8" Increments) (Unmounted)
- SB1280 Precision 5-C Collets, Set of 15 (1/8"-1", in 1/16" Increments) (Unmounted)
- SB1242 #3 Morse Taper Long Nose Live Center