



Product Specifications



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Model SB1049 Heavy 13[®], 13" x 30" Gearhead Lathe

Product Dimensions

Weight..... 1870 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 90 x 38 x 69 in.
Footprint (Length x Width)..... 80-3/4 x 19-1/2 in.

Shipping Dimensions

Type..... Wood Crate
Content..... Machine
Weight..... 2090 lbs.
Length x Width x Height..... 79 x 38 x 69 in.

Electrical

Power Requirement..... 220V, Single-Phase, 60 Hz
Full-Load Current Rating..... 19.45A
Minimum Circuit Size..... 30A
Switch..... Magnetic with Thermal Protection
Switch Voltage..... 220V
Plug Included..... No
Recommended Plug/Outlet Type..... NEMA L6-30

Motors

Main

Type..... TEFC Induction
Horsepower..... 3 HP
Voltage..... 220V
Phase..... Single-Phase
Amps..... 19A
Speed..... 1720 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer V-Belt & Gear
Bearings..... Shielded and Permanently Sealed

Coolant

Type..... TEFC Induction
Horsepower..... 1/8 HP
Voltage..... 220V
Phase..... Single-Phase
Amps..... 0.45A
Speed..... 3450 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Direct Drive
Bearings..... Shielded and Permanently Sealed

Main Specifications

Operation Info

Swing Over Bed.....	13.38 in.
Distance Between Centers.....	30 in.
Swing Over Cross Slide.....	8.26 in.
Swing Over Saddle.....	11.02 in.
Maximum Tool Bit Size.....	3/4 in.
Compound Travel.....	4 in.
Carriage Travel.....	26.5 in.
Cross Slide Travel.....	7 in.

Headstock Info

Spindle Bore.....	1.57 in.
Spindle Taper.....	MT#5
Number of Spindle Speeds.....	8
Spindle Speeds.....	80 – 2000 RPM
Spindle Type.....	D1-5
Spindle Bearings.....	Tapered Roller

Tailstock Info

Tailstock Quill Travel.....	4.5 in.
Tailstock Taper.....	MT#3
Tailstock Barrel Diameter.....	1.968 in.

Threading Info

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

Dimensions

Bed Width.....	9 in.
Leadscrew Diameter.....	1-1/8 in.
Leadscrew TPI.....	4 TPI
Leadscrew Length.....	59 in.
Steady Rest Capacity.....	5/16 – 4-5/16 in.
Follow Rest Capacity.....	5/8 – 3-1/8 in.
Faceplate Size.....	10 in.
Feed Rod Diameter.....	3/4 in.
Floor to Center Height.....	42.2 in.
Height With Leveling Jacks.....	59.06 in.

Construction

Base.....	Cast iron
Headstock.....	Cast Iron
Headstock Gears.....	Flame Hardened Steel
Bed.....	Induction Hardened and Ground Cast Iron
Body.....	Cast Iron
Stand.....	Cast Iron
Paint.....	Urethane

Other

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 Assembly & Setup Time	1 Hour
Sound Rating	71 dB

Features

- Allen Bradley Electrical Components
- Signature South Bend 3 V-Way Bed
- Safety Chuck Guard with Micro-Switch Shut-Off
- Mehanite Castings with Induction-Hardened Ways
- Halogen Work Light
- 4-Way Tool Post
- Complete Coolant System
- Micrometer Carriage Stop
- Threading Dial Indicator
- NSK or NTN Japanese Spindle Bearings
- Full Length Splash Guard with Rounded Corner
- Front Removable Sliding Chip Tray
- Completely Enclosed Universal Gearbox for Cutting Inch, Metric, Modular and Diametral Pitches
- Jog Button and Emergency Stop
- Foot Brake
- Headstock Gears Run in and Oil Bath

Included Accessories

- 7" 3-Jaw Scroll Chuck (Bolt on Jaws)
- 8" 4-Jaw Independent Chuck D1-5
- 10" Faceplate D1-5
- Follow Rest
- Steady Rest with Roller Bearing Tips
- #5 to #3 Morse Taper Spindle Sleeve
- 2 Morse Taper #3 Dead Centers (1 Carbon Steel and 1 Carbide-Tipped)
- Eight Leveling Pads
- Service Tools
- Tool Box
- USA Written Operator's Manual