



Product Specifications



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Model SB1055F 16" x 60" Gearhead Lathe with DRO

Product Dimensions

Weight..... 3300 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 105-1/2 x 32-3/4 x 49 in.
Footprint (Length x Width)..... 102 x 19-1/2 in.

Shipping Dimensions

Type..... Wood Slat Crate
Content..... Machine
Weight..... 3422 lbs.
Length x Width x Height..... 109 x 45 x 74 in.

Electrical

Power Requirement..... 440V, 3-Phase, 60 Hz
Prewired Voltage..... 440V
Full-Load Current Rating..... 10.23A
Minimum Circuit Size..... 15A
Connection Type..... Permanent (Hardwire to Shutoff Switch)
Switch Type..... Control Panel w/Magnetic Switch Protection

Motors

Main

Horsepower..... 7.5 HP
Phase..... 3-Phase
Amps..... 10A/9A
Speed..... 1720 / 850 RPM
Type..... TEFC Induction
Power Transfer V-Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Coolant Pump

Horsepower..... 1/8 HP
Phase..... 3-Phase
Amps..... 0.23A
Speed..... 3450 RPM
Type..... TEFC Induction (Class F)
Power Transfer Direct Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Main Specifications

Operation Info

| | |
|---------------------------------|------------|
| Swing Over Bed..... | 16 in. |
| Distance Between Centers..... | 60 in. |
| Max Weight Between Centers..... | 660 lbs. |
| Swing Over Cross Slide..... | 10-3/8 in. |
| Swing Over Saddle..... | 15-3/4 in. |
| Swing Over Gap..... | 22.95 in. |
| Maximum Tool Bit Size..... | 3/4 in. |
| Compound Travel..... | 5.1 in. |
| Carriage Travel..... | 54 in. |
| Cross Slide Travel..... | 9 in. |

Headstock Info

| | |
|--------------------------------------|--------------------|
| Spindle Bore..... | 2.0625 in. |
| Spindle Taper..... | MT#6 |
| Number of Spindle Speeds..... | 16 |
| Spindle Speeds..... | 40 – 2000 RPM |
| Spindle Type..... | D1-6 Camlock |
| Spindle Bearings..... | NTN Tapered Roller |
| Spindle Length..... | 24-1/4 in. |
| Spindle Length with 3-Jaw Chuck..... | 30-7/8 in. |
| Spindle Length with 4-Jaw Chuck..... | 28-3/4 in. |
| Spindle Length with Faceplate..... | 26-1/4 in. |

Tailstock Info

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|--------------------------------|-----------|
| Tailstock Quill Travel..... | 6 in. |
| Tailstock Taper..... | MT#4 |
| Tailstock Barrel Diameter..... | 2.047 in. |

Threading Info

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|-----------------------------------|------------------------|
| 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 – 14.0 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

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|----------------------------------|-------------------|
| Bed Width..... | 10-1/4 in. |
| Carriage Leadscrew Diameter..... | 1-1/8 in. |
| Leadscrew TPI..... | 4 TPI |
| Carriage Leadscrew Length..... | 83-9/16 in. |
| Steady Rest Capacity..... | 5/16 – 4-5/16 in. |
| Follow Rest Capacity..... | 5/8 – 3-1/8 in. |
| Faceplate Size..... | 12 in. |
| Feed Rod Diameter..... | 3/4 in. |
| Floor to Center Height..... | 43-1/2 in. |
| Height With Leveling Jacks..... | 44-1/2 in. |

Construction

| | |
|------------------------|--|
| Base..... | Cast Iron |
| Headstock..... | Cast Iron |
| End Gears..... | Flame-Hardened Steel |
| Bed..... | Induction-Hardened, Precision-Ground Meehanite Cast Iron |
| Body..... | Cast Iron |
| Stand..... | Cast Iron |
| Paint Type/Finish..... | Urethane |

Fluid Capacities

| | |
|---------------------------|--|
| Headstock Capacity..... | 7.4 qt. |
| Headstock Fluid Type..... | ISO 32 (eg. Grizzly T23963, Mobil DTE Light) |
| Gearbox Capacity..... | 1.4 qt. |
| Gearbox Fluid Type..... | ISO 68 (eg. Grizzly T23962, Mobil Vactra 2) |
| Apron Capacity..... | 1.2 qt. |
| Apron Fluid Type..... | ISO 68 (eg. Grizzly T23962, Mobil Vactra 2) |
| Coolant Capacity..... | 11.1 qt. |

Other

| | |
|--|-------------------------------------|
| Country of Origin | Taiwan |
| Warranty | 2 Years |
| Approximate Assembly & Setup Time | 1 Hour |
| Serial Number Location | ID Label on Rear Side of Left Stand |
| ISO 9001 Factory | No |
| Certified by a Nationally Recognized Testing Laboratory (NRTL) | No |

Features

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

Included Accessories

- 10" 4-Jaw Independent Chuck D1-6
- 12" Faceplate D1-6
- 9" 3-Jaw Scroll Chuck (Mounted to 9" D1-6 Back Plate)
- Eight Leveling Pads
- Follow Rest
- MT#6 to MT#4 Spindle Sleeve
- Service Tools
- Steady Rest with Ball Bearing Tips
- Tool Box
- Two MT #4 Dead Centers (1 Carbon Steel and 1 Carbide-Tipped)
- USA-Written Manual