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

Tailstock Quill Travel	6 in.
Tailstock Taper	MT#4
Tailstock Barrel Diameter	2.047 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 – 14.0 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

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