

MACHINE SPECIFICATIONS



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MODEL M1049 9" X 19" BENCH-TOP METAL LATHE

Product Dimensions

Weight..... 250 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 37 x 20 x 15 in.
Footprint (Length x Width)..... 37 x 16 in.

Shipping Dimensions

Type..... Wood Crate
Content..... Machine
Weight..... 264 lbs.
Length x Width x Height..... 41 x 23 x 20 in.

Electrical

Power Requirement..... 110V, Single-Phase, 60 Hz
Prewired Voltage..... 110V
Full-Load Current Rating..... 9A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 12 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... Forward/Reverse Switch

Motors

Main

Horsepower..... 3/4 HP
Phase..... Single-Phase
Amps..... 9A
Speed..... 1720 RPM
Type..... ODP Capacitor-Start Induction
Power Transfer Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... External

Main Specifications

Operation Info

Swing Over Bed.....	8-3/4 in.
Distance Between Centers.....	19 in.
Swing Over Cross Slide.....	5 in.
Swing Over Saddle.....	5 in.
Maximum Tool Bit Size.....	3/8 in.
Compound Travel.....	1-7/8 in.
Carriage Travel.....	16 in.
Cross Slide Travel.....	4-1/4 in.

Headstock Info

Spindle Bore.....	0.78 in.
Spindle Size.....	39 mm
Spindle Taper.....	MT#3
Spindle Threads.....	4.0 mm
Number of Spindle Speeds.....	6
Spindle Speeds.....	130 - 2000 RPM
Spindle Type.....	Threaded
Spindle Bearings.....	Tapered Roller

Tailstock Info

Tailstock Quill Travel.....	1-9/16 in.
Tailstock Taper.....	MT#2
Tailstock Barrel Diameter.....	1.002 in.

Threading Info

Number of Longitudinal Feeds.....	4
Range of Longitudinal Feeds.....	0.0047 - 0.0120 in./rev.
Number of Inch Threads.....	27
Range of Inch Threads.....	8 - 56 TPI
Number of Metric Threads.....	11
Range of Metric Threads.....	0.5 - 3.0 mm

Dimensions

Bed Width.....	4-1/2 in.
Carriage Leadscrew Diameter.....	9/16 in.
Leadscrew TPI.....	16 TPI
Carriage Leadscrew Length.....	25 in.
Steady Rest Capacity.....	1-3/4 in.
Follow Rest Capacity.....	1-3/4 in.
Faceplate Size.....	7-1/2 in.

Other

Optional Stand.....	M1050
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Construction

Base.....	Cast Iron
Headstock.....	Cast Iron
End Gears.....	Cast Iron
Bed.....	Hardened and Precision-Ground Cast Iron
Body.....	Cast Iron
Paint Type/Finish.....	Epoxy

Other

Country of Origin China
Warranty 2 Years
Approximate Assembly & Setup Time 1 Hour
Serial Number Location Bed Back, Right End
ISO 9001 Factory No
Certified by a Nationally Recognized Testing Laboratory (NRTL) No

Features

Chip and Splash Guard Included
Hardened and Ground Cast-Iron Bed
Quick Change Gearbox Offers up to 27 Standard and 11 Metric Threads, from 8 to 56 Threads Per Inch Threading Dial

Accessories

4 Way Tool Post
4" 3-Jaw Chuck with Two Sets of Jaws
7-1/4" 4-Jaw Chuck with Reversible Jaws
Extra C-Type Tool Post
Follow Rest
MT#2 Dead Center
MT#2 Live Center
MT#3 Dead Center
Steady Rest
Tool Box
Tool Kit
Faceplate