



MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

MODEL G8688 7" X 12" MINI METAL LATHE

Product Dimensions:

Weight..... 75 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 27-3/4 x 11-1/2 x 12 in.
Footprint (Length x Width)..... 27-3/4 x 8-3/4 in.

Shipping Dimensions:

Type..... Cardboard Box
Content..... Machine
Weight..... 90 lbs.
Length x Width x Height..... 30 x 13 x 13 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 110V, Single-Phase, 60 Hz
Prewired Voltage..... 110V
Full-Load Current Rating..... 3A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 14 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... Control Panel w/Magnetic Switch Protection

Motors:

Main

Horsepower..... 250W
Phase..... Single-Phase
Amps..... 2.8A
Speed..... 0 – 2500 RPM
Type..... Universal
Power Transfer Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Main Specifications:

Operation Info

Swing Over Bed..... 7 in.
Distance Between Centers..... 12 in.
Swing Over Cross Slide..... 2-1/8 in.
Swing Over Saddle..... 5 in.
Maximum Tool Bit Size..... 5/16 in.
Compound Travel..... 2-3/4 in.
Carriage Travel..... 10-1/2 in.
Cross Slide Travel..... 2-3/4 in.

Headstock Info

Spindle Bore..... 0.78 in.
Spindle Size..... 3 in.
Spindle Taper..... MT#3
Number of Spindle Speeds..... Variable
Spindle Speeds..... 100 – 2500 RPM
Spindle Type..... Intrinsic Back Plate
Spindle Bearings..... Sealed & Permanently Lubricated Ball Bearing
Spindle Length..... 7-1/4 in.
Spindle Length with 3-Jaw Chuck..... 9-3/4 in.
Spindle Length with Faceplate..... 7-13/16 in.

Tailstock Info

Tailstock Quill Travel..... 2-1/2 in.
Tailstock Taper..... MT#2
Tailstock Barrel Diameter..... 0.870 in.

Threading Info

Number of Longitudinal Feeds..... 1
Range of Longitudinal Feeds..... 0.004 in./rev.
Number of Inch Threads..... 18
Range of Inch Threads..... 12 – 52 TPI
Number of Metric Threads..... 10
Range of Metric Threads..... 0.4 – 2.0 mm

Dimensions

Bed Width..... 3-1/4 in.
Carriage Leadscrew Diameter..... 5/8 in.
Leadscrew TPI..... 16 TPI
Carriage Leadscrew Length..... 17-3/4 in.
Follow Rest Capacity..... 1 in.
Faceplate Size..... 6-1/4 in.

Other

Optional Stand..... G7313

Construction

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

Other Specifications:

Country of Origin China
Warranty 1 Year
Approximate Assembly & Setup Time 45 Minutes
Serial Number Location Back Right End on Bed Way
ISO 9001 Factory Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL) No

Features:

- 16 TPI Reversible Leadscrew
- Chip Tray and Backsplash Guard
- Emergency Stop
- Forward and Reverse in all Speeds
- Inch/Metric Dials
- Threading Dial Indicator
- Variable Speed

Accessories Included:

- 3" Three Jaw Chuck with External Jaws
- 6-1/4" Face Plate
- Complete Set of Change Gears
- Four Position Turret Post
- MT#2 Dead Center
- Steady Rest
- Wrenches