



# 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..... 600W  
 Phase..... Single-Phase  
 Amps..... 3A  
 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