



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..... 3A
Speed..... 0 – 2500 RPM
Type..... Universal
Power Transfer..... Belt Drive
Bearings..... Shielded & Permanently Lubricated

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
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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