



# MACHINE DATA SHEET

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

## MODEL G0768Z 8" X 16" VARIABLE-SPEED LATHE WITH X/Z-AXIS DRO

### Product Dimensions:

Weight..... 144 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 36 x 16 x 18 in.  
Footprint (Length x Width)..... 31-1/2 x 10-1/2 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 166 lbs.  
Length x Width x Height..... 36 x 19 x 17 in.  
Must Ship Upright..... Yes

### Electrical:

Power Requirement..... 110V, Single-Phase, 60 Hz  
Full-Load Current Rating..... 10A  
Minimum Circuit Size..... 15A  
Connection Type..... Cord & Plug  
Power Cord Included..... Yes  
Power Cord Length..... 6 ft.  
Power Cord Gauge..... 16 AWG  
Plug Included..... Yes  
Included Plug Type..... 5-15  
Switch Type..... ON/OFF Push Button Switch w/Safety Cover

### Motors:

#### Main

Horsepower..... 600W (3/4 HP)  
Phase..... Single-Phase  
Amps..... 10A  
Speed..... 5250 RPM  
Type..... Universal Brush-Type  
Power Transfer ..... Belt Drive  
Bearings..... Shielded & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... N/A

### Main Specifications:

#### Operation Info

Swing Over Bed..... 8-1/4 in.  
Distance Between Centers..... 15-3/4 in.  
Swing Over Cross Slide..... 4-5/8 in.  
Swing Over Saddle..... 6-7/8 in.  
Maximum Tool Bit Size..... 3/8 in.  
Compound Travel..... 2-1/8 in.  
Carriage Travel..... 15-3/4 in.  
Cross Slide Travel..... 3 in.

**Headstock Info**

Spindle Bore..... 0.787 in.  
Spindle Taper..... MT#3  
Number of Spindle Speeds..... Variable  
Spindle Speeds..... 50 – 1000, 100 – 2000 RPM  
Spindle Type..... Intrinsic Back Plate  
Spindle Bearings..... Tapered Roller  
Spindle Length..... 8-5/8 in.  
Spindle Length with 3-Jaw Chuck..... 10-5/8 in.  
Spindle Length with 4-Jaw Chuck..... 10-5/8 in.  
Spindle Length with Faceplate..... 9-3/4 in.

**Tailstock Info**

Tailstock Quill Travel..... 2 in.  
Tailstock Taper..... MT#2  
Tailstock Barrel Diameter..... 0.87 in.

**Threading Info**

Number of Longitudinal Feeds..... 2  
Range of Longitudinal Feeds..... 0.0037, 0.0068 in./rev.  
Number of Inch Threads..... 15  
Range of Inch Threads..... 9 – 44 TPI  
Number of Metric Threads..... 12  
Range of Metric Threads..... 0.4 – 3.0 mm

**Dimensions**

Bed Width..... 4 in.  
Carriage Leadscrew Diameter..... 5/8 in.  
Leadscrew TPI..... 12 TPI  
Carriage Leadscrew Length..... 22 in.  
Steady Rest Capacity..... 1/4 – 1-1/4 in.  
Follow Rest Capacity..... 1/4 – 1-1/4 in.  
Floor to Center Height..... 8-1/2 in.

**Other**

Optional Stand..... Model T26599

**Construction**

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

**Other Specifications:**

Country of Origin ..... China  
Warranty ..... 1 Year  
Approximate Assembly & Setup Time ..... 1 Hour  
Serial Number Location ..... ID Label  
ISO 9001 Factory ..... Yes  
Certified by a Nationally Recognized Testing Laboratory (NRTL) ..... No

**Features:**

- Electronic Variable-Speed Spindle Control
- Magnetic Mounted 2-Axis DRO w/ Resolution of 0.001"
- Convenient Quick-Locking Tailstock
- Chip Tray & Full-Length Back Splash
- Emergency Stop
- Thread Dial Indicator
- Handwheel Dials Graduated in Inches
- Belt Drive Offers Low Speed Range of 50 – 1000 RPM and High Speed Range of 100 – 2000 RPM

**Accessories Included:**

- 4" 3-Jaw Scroll Chuck w/Two Sets of Jaws
- 4" 4-Jaw Independent Chuck w/Reversible Jaws
- Steady Rest
- Follow Rest
- 6-3/4" Faceplate
- 4-Way Turret Tool Post
- Tool Box w/Service Tools
- Bottle for Lubrication Maintenance
- Replacement Fuse
- MT#2 & MT#3 Dead Centers