



# MACHINE DATA SHEET

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

## MODEL G0494 16" X 60" 3-PHASE METAL LATHE

### Product Dimensions:

Weight..... 5140 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 107 x 44 x 54 in.  
Footprint (Length x Width)..... 104 x 23 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 5188 lbs.  
Length x Width x Height..... 110 x 44 x 63 in.  
Must Ship Upright..... Yes

### Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz  
Prewired Voltage..... 220V  
Full-Load Current Rating..... 20A  
Minimum Circuit Size..... 30A  
Connection Type..... Cord & Plug  
Power Cord Included..... No  
Recommended Power Cord..... "S"-Type, 4-Wire, 10 AWG, 300 VAC  
Recommended Plug Type..... L15-30  
Switch Type..... Control Panel w/Magnetic Switch Protection  
Recommended Phase Converter..... G7979

### Motors:

#### Main

Horsepower..... 7.5 HP / 5 HP  
Phase..... 3-Phase  
Amps..... 20A/14A  
Type..... TEFC Induction  
Bearings..... Sealed & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... N/A

#### Coolant Pump

Horsepower..... 1/8 HP  
Phase..... 3-Phase  
Type..... TEFC Induction  
Bearings..... Sealed & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... N/A

## Main Specifications:

### Operation Info

Swing Over Bed.....	16 in.
Distance Between Centers.....	59-5/8 in.
Max Weight Between Centers.....	440 lbs.
Swing Over Cross Slide.....	8-3/4 in.
Swing Over Saddle.....	11-1/4 in.
Swing Over Gap.....	25.19 in.
Maximum Tool Bit Size.....	3/4 in.
Compound Travel.....	5-1/16 in.
Carriage Travel.....	58 in.
Cross Slide Travel.....	11-7/16 in.

### Headstock Info

Spindle Bore.....	2.0625 in.
Spindle Taper.....	MT#6
Number of Spindle Speeds.....	12
Spindle Speeds.....	25 – 2000 RPM
Spindle Type.....	D1-6 Camlock
Spindle Bearings.....	Tapered Roller
Spindle Length.....	25 in.
Spindle Length with 3-Jaw Chuck.....	31-1/8 in.
Spindle Length with 4-Jaw Chuck.....	32-1/2 in.
Spindle Length with Faceplate.....	26-13/16 in.

### Tailstock Info

Tailstock Quill Travel.....	4-13/16 in.
Tailstock Taper.....	MT#4
Tailstock Barrel Diameter.....	2.362 in.

### Threading Info

Number of Longitudinal Feeds.....	42
Range of Longitudinal Feeds.....	0.0011 – 0.0633 in./rev.
Number of Cross Feeds.....	42
Range of Cross Feeds.....	0.0033 – 0.01837 in./rev
Number of Inch Threads.....	60
Range of Inch Threads.....	2 – 112 TPI
Number of Metric Threads.....	41
Range of Metric Threads.....	0.4 – 14.0 mm
Number of Modular Pitches.....	34
Range of Modular Pitches.....	0.1 – 7.0 MP
Number of Diametral Pitches.....	50
Range of Diametral Pitches.....	4 – 112 DP

### Dimensions

Bed Width.....	11-3/4 in.
Carriage Leadscrew Diameter.....	1.380 in.
Leadscrew TPI.....	4 TPI
Carriage Leadscrew Length.....	78 in.
Steady Rest Capacity.....	5 in.
Follow Rest Capacity.....	2-1/4 in.
Faceplate Size.....	14 in.
Feed Rod Diameter.....	15/16 in.
Floor to Center Height.....	45 in.
Height With Leveling Jacks.....	47-1/2 in.

**Construction**

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

**Other Specifications:**

Country of Origin ..... China  
 Warranty ..... 1 Year  
 Approximate Assembly & Setup Time ..... 2 Hours  
 Serial Number Location ..... ID Label on Headstock  
 ISO 9001 Factory ..... No  
 Certified by a Nationally Recognized Testing Laboratory (NRTL) ..... No

**Features:**

Hardened and Precision-Ground Meehanite Bed Casting  
 Universal Quick Change Gear Box for Inch, Metric Threads Plus Modular and Diametral Pitches  
 Hardened and Precision-Ground Headstock, Quick Change and Apron Gears Run in an Oil Bath  
 Adjustable Apron Clutch  
 Halogen Work Light  
 Coolant System  
 One Shot Lube on Apron  
 4-Position Auto-Apron Stop  
 Full Length Splash Guard  
 Dual Inch/Metric Dials  
 Foot Brake  
 Auto Carriage Stop with Indexable Cams  
 Hex Shaft Feed Rod

**Accessories Included:**

#4 - #6 Morse Taper Sleeve  
 10" 3-Jaw Chuck  
 12-1/2" 4-Jaw Chuck  
 14" Face Plate  
 5pc Quick Change Tool Post  
 Centers  
 Follow Rest  
 Leveling Pads  
 Service Tools  
 Steady Rest  
 Tool Box