



# MACHINE DATA SHEET

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

## MODEL G5962 18" X 60" PRECISION MACHINE SHOP LATHE

### Product Dimensions:

Weight..... 4740 lbs.  
Length/Width/Height..... 102 x 38-1/4 x 51 in.  
Foot Print (Length/Width)..... 102 x 32 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 5300 lbs.  
Length/Width/Height..... 111 x 45 x 64 in.

### Electrical:

Switch..... Magnetic Switch with Thermal Overload Protection  
Switch Voltage..... 220V  
Minimum Circuit Size..... 30 amp  
Plug Included..... No  
Phase Converter..... H3741

### Motors:

#### Main

Type..... TEFC Induction  
Horsepower..... 5-1/2 HP  
Voltage..... 220V  
Prewired..... 220V  
Phase..... Three  
Amps..... 16A  
Speed..... 1725 RPM  
Cycle..... 60 Hz  
Number Of Speeds..... 2  
Power Transfer ..... Belt Drive to Gear  
Bearings..... Shielded and Permanently Lubricated

#### Coolant

Type..... Induction  
Horsepower..... 1/8 HP  
Voltage..... 220V  
Prewired..... 220V  
Phase..... Three  
Amps..... 0.3A  
Speed..... 1725 RPM  
Cycle..... 60 Hz  
Number Of Speeds..... 1  
Power Transfer ..... Direct Drive  
Bearings..... Shielded and Permanently Lubricated

**Main Specifications:**

**Operation Info**

Swing Over Bed.....	18-1/4 in.
Dist Between Centers.....	60 in.
Swing Over Cross Slide.....	11-5/16 in.
Swing Over Saddle.....	11-1/4 in.
Swing Over Gap.....	24-3/4 in.
Max Tool Bit Size.....	1 in.
Compound Travel.....	4-7/8 in.
Carriage Travel.....	55 in.
Cross Slide Travel.....	8-5/8 in.

**Headstock Info**

Spindle Bore.....	3-1/16 in.
Spindle Taper.....	MT#8
No Of Spindle Speeds.....	12
Range Of Spindle Speeds.....	24, 32, 55, 70, 95, 160, 240, 320, 550, 700, 950, 1600 RPM
Spindle Type.....	D1-8 Cam Lock
Spindle Bearings.....	Tapered Roller

**Tailstock Info**

Tailstock Travel.....	4-3/4 in.
Tailstock Taper.....	MT#4
Tailstock Barrel Diameter.....	2-3/16 in.

**Threading Info**

No Of Inch Threads.....	40
Range Of Inch Threads.....	2 - 56 TPI
Range Of Longitudinal Feeds.....	0.0013 - 0.0352 in.
No Of Longitudinal Feeds.....	40
No Of Cross Feeds.....	40
Range Of Cross Feeds.....	0.0006 - 0.0184 in./rev.
No Of Metric Threads.....	52
Range Of Metric Threads.....	0.4 - 14 mm
No Of Modular Threads.....	44
Range Of Modular Threads.....	0.4 - 7 MP
No Of Diametrical Threads.....	32
Range Of Diametrical Threads.....	4 - 56 DP

**Dimensions**

Bed Width.....	11-3/4 in.
Leadscrew TPI.....	4
Leadscrew Length.....	76 in.
Steady Rest Capacity.....	6 in.
Follow Rest Capacity.....	4 in.
Faceplate Size.....	16-1/2 in.
Leadscrew Diameter.....	1.245 in.
Feed Rod Diameter.....	0.870 in.
Floor To Center Height.....	45-3/4 in.
Height With Leveling Jacks.....	51 in.

**Construction**

Base Construction.....	Cast Iron
Headstock Construction.....	Cast Iron
Headstock Gears Construction.....	Flame Hardened Steel
Bed Construction.....	Induction Hardened Cast Iron
Body Construction.....	Cast Iron
Stand Construction.....	Cast Iron
Paint.....	Epoxy

**Other**

Kilowatt Output.....5.5

**Other Specifications:**

Country Of Origin ..... China  
Warranty ..... 1 Year  
Serial Number Location ..... Back Side of Headstock

**Features:**

- Auto Stop System for Apron
- Coolant System
- Direct Inch and Metric Threading
- Emergency Stop
- Foot Brake
- Full Length Splash Guard
- Halogen Light
- Headstock Gears Run in an Oil Bath
- Mounted Taper Attachment
- One Shot Lubrication on Apron
- Precision Hardened and Ground V-Bed
- Threading Dial
- Totally Enclosed Universal Gearbox Allows Cutting of Inch, Metric, Whitworth, Module, and Diametral Threads

**Accessories Included:**

- 10" 3-Jaw Chuck
- 13" 4-Jaw Chuck
- 16-1/2" Face Plate
- 5 Pc. Quick Change Tool Post
- 9" Dog Plate
- Center Sleeve
- Centers
- Follow Rest
- Leveling Pads
- Manual
- MT#4 Rolling Center
- Service Tools
- Steady Rest
- Toolbox