



# MACHINE DATA SHEET

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

## MODEL G9730 13" X 40" HIGH PRECISION TOOL ROOM LATHE, 3 HP 220V SINGLE-PHASE

### Product Dimensions:

Weight..... 1475 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 70 x 23-1/2 x 50 in.  
Footprint (Length x Width)..... 71 x 22 in.

### Shipping Dimensions:

Type..... Wood Slat Crate  
Content..... Machine  
Weight..... 1621 lbs.  
Length x Width x Height..... 30 x 73 x 62 in.

### Electrical:

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

### Motors:

#### Main

Type..... TEFC Capacitor Start Induction  
Horsepower..... 3 HP  
Voltage..... 220V  
Prewired..... 220V  
Phase..... Single  
Amps..... 20A  
Speed..... 1725 RPM  
Cycle..... 60 Hz  
Number of Speeds..... 1  
Power Transfer ..... Belt Drive to Gear  
Bearings..... Shielded and Permanently Lubricated

### Main Specifications:

#### Operation Info

Swing Over Bed..... 13 in.  
Distance Between Centers..... 40 in.  
Swing Over Cross Slide..... 7-1/2 in.  
Swing Over Saddle..... 8 in.  
Swing Over Gap..... 19-1/2 in.  
Maximum Tool Bit Size..... 1/2 in.  
Compound Travel..... 3-3/4 in.  
Carriage Travel..... 35 in.  
Cross Slide Travel..... 5-3/4 in.

**Headstock Info**

Spindle Bore..... 1-3/8 in.  
Spindle Taper..... MT#4.5  
Number of Spindle Speeds..... 8  
Spindle Speeds..... 105, 175, 260, 395, 610, 915, 1320, 2000 RPM  
Spindle Type..... D1-4 Cam Lock  
Spindle Bearings..... Tapered Roller  
Spindle Length..... 16-1/4 in.  
Spindle Length with 3-Jaw Chuck..... 21-3/4 in.  
Spindle Length with 4-Jaw Chuck..... 20-3/8 in.

**Tailstock Info**

Tailstock Quill Travel..... 4-5/16 in.  
Tailstock Taper..... MT#3  
Tailstock Barrel Diameter..... 1.56 in.

**Threading Info**

Number of Longitudinal Feeds..... 24  
Range of Longitudinal Feeds..... 0.0015 - 0.010 in.  
Number of Cross Feeds..... 24  
Range of Cross Feeds..... 0.0005 - 0.0035 in./rev.  
Number of Inch Threads..... 32  
Range of Inch Threads..... 4 - 56 TPI  
Number of Metric Threads..... 14  
Range of Metric Threads..... 0.5 - 6 mm

**Dimensions**

Bed Width..... 7-1/2 in.  
Leadscrew Diameter..... 7/8 in.  
Leadscrew TPI..... 8  
Leadscrew Length..... 50 in.  
Steady Rest Capacity..... 2-1/2 in.  
Follow Rest Capacity..... 2-1/2 in.  
Faceplate Size..... 10 in.  
Feed Rod Diameter..... 3/4 in.  
Floor to Center Height..... 44 in.

**Construction**

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

**Other**

Kilowatt Output..... 2.2

**Other Specifications:**

Country Of Origin ..... Taiwan  
Warranty ..... 1 Year  
Serial Number Location ..... On Right Back Side Machine Body (Machine's Electrical Control Panel),  
Above On/Off Switch

**Features:**

- Built-in Stand
- Coolant System
- Emergency Stop
- Feed Rod is Equipped with an Overload Clutch for Safety
- Foot Brake
- Full Length Splash Guard
- Hardened and Ground Gears in Headstock
- Headstock Gears Run in an Oil Bath
- Inch/Metric Dials
- Precision Ground V-Bed is Made of Meehanite Casting
- Quick Change Gear Box is Fully Enclosed
- Threading Dial
- Turret Micrometer Stop

**Accessories Included:**

- 8" 4-Jaw Chuck
- Center Sleeve
- Centers
- Driving Plate
- Extra 8" D1-4 Backplate
- Follow Rest
- Manual
- Service Tools
- Steady Rest
- Toolbox
- 10" Face Plate
- 4 Way Turret Tool Post
- 7" 3-Jaw Chuck with Inside & Outside Jaw Sets