



# 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.  
Length/Width/Height..... 70 x 32-1/2 x 50 in.  
Foot Print (Length/Width)..... 71 x 22 in.

### Shipping Dimensions:

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

### Electrical:

Switch..... Magnetic Switch with Thermal Overload Protection  
Switch Voltage..... 220V  
Minimum Circuit Size..... 30 amp  
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.  
Dist Between Centers..... 40 in.  
Swing Over Cross Slide..... 7-1/2 in.  
Swing Over Saddle..... 8 in.  
Swing Over Gap..... 19-1/2 in.  
Max 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  
No Of Spindle Speeds..... 8  
Range Of 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 Travel..... 4-5/16 in.  
Tailstock Taper..... MT#3  
Tailstock Barrel Diameter..... 1.56 in.

**Threading Info**

No Of Inch Threads..... 32  
Range Of Inch Threads..... 4 - 56 TPI  
Range Of Longitudinal Feeds..... 0.0015 - 0.010 in.  
No Of Longitudinal Feeds..... 24  
No Of Cross Feeds..... 24  
Range Of Cross Feeds..... 0.0005 - 0.0035 in./rev.  
No Of Metric Threads..... 14  
Range Of Metric Threads..... 0.5 - 6 mm  
No Of Modular Threads..... 18  
Range Of Modular Threads..... 0.3 - 3.5 MP  
No Of Diametrical Threads..... 21  
Range Of Diametrical Threads..... 8 - 44 DP

**Dimensions**

Bed Width..... 7-1/2 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.  
Leadscrew Diameter..... 7/8 in.  
Feed Rod Diameter..... 3/4 in.  
Floor To Center Height..... 44 in.

**Construction**

Base Construction..... Cast Iron  
Headstock Construction..... Cast Iron  
Headstock Gears Construction..... Flame Hardened Cast Iron  
Bed Construction..... Induction Hardened Cast Iron  
Body Construction..... Cast Iron  
Stand Construction..... 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:**

- 10" Face Plate
- 4 Way Turret Tool Post
- 7" 3-Jaw Chuck with 2 Piece Jaws
- 8" 4-Jaw Chuck
- Center Sleeve
- Centers
- Driving Plate
- Extra 8" D1-4 Backplate
- Follow Rest
- Manual
- Service Tools
- Steady Rest
- Toolbox