



# MACHINE DATA SHEET

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

## MODEL G9733 15" X 50" HIGH PRECISION TOOL ROOM LATHE

### Product Dimensions:

Weight..... 2860 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 96 x 40 x 53 in.  
Footprint (Length x Width)..... 92 x 22-1/2 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 3421 lbs.  
Length x Width x Height..... 40 x 99 x 62 in.

### Electrical:

Minimum Circuit Size..... 20 amp  
Switch..... Magnetic Switch with Thermal Overload Protection  
Switch Voltage..... 220V  
Plug Included..... No  
Recommended Phase Converter..... H3741

### Motors:

#### Main

Type..... TEFC Induction  
Horsepower..... 7-1/2 HP  
Voltage..... 220V  
Prewired..... 220V  
Phase..... Three  
Amps..... 18A  
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..... 15 in.  
Distance Between Centers..... 50 in.  
Swing Over Cross Slide..... 9-1/2 in.  
Swing Over Saddle..... 9-1/2 in.  
Swing Over Gap..... 24 in.  
Maximum Tool Bit Size..... 1 in.  
Compound Travel..... 4-3/4 in.  
Carriage Travel..... 44 in.  
Cross Slide Travel..... 9 in.

**Headstock Info**

Spindle Bore..... 2-1/8 in.  
Spindle Taper..... MT#6  
Number of Spindle Speeds..... 16  
Spindle Speeds..... 25, 35, 45, 60, 80, 110, 140, 190, 260, 360, 475, 630, 845, 1140, 1520, 2000 RPM  
Spindle Type..... D1-6 Cam Lock  
Spindle Bearings..... Tapered Roller  
Spindle Length..... 23 in.  
Spindle Length with 3-Jaw Chuck..... 29-7/8 in.  
Spindle Length with 4-Jaw Chuck..... 28-1/2 in.

**Tailstock Info**

Tailstock Quill Travel..... 6-1/8 in.  
Tailstock Taper..... MT#4  
Tailstock Barrel Diameter..... 2-5/16 in.

**Threading Info**

Number of Longitudinal Feeds..... 15  
Range of Longitudinal Feeds..... 0.0015 - 0.04 in.  
Number of Cross Feeds..... 15  
Range of Cross Feeds..... 0.0008 - 0.02 in./rev.  
Number of Inch Threads..... 45  
Range of Inch Threads..... 2 - 72 TPI  
Number of Metric Threads..... 39  
Range of Metric Threads..... 0.2 - 14 mm  
Number of Modular Pitches..... 18  
Range of Modular Pitches..... 0.3 - 3.5 MP  
Number of Diametral Pitches..... 21  
Range of Diametral Pitches..... 8 - 44 DP

**Dimensions**

Bed Width..... 11 in.  
Leadscrew Diameter..... 1-1/4 in.  
Leadscrew TPI..... 4  
Leadscrew Length..... 67 in.  
Steady Rest Capacity..... 3-1/2 in.  
Follow Rest Capacity..... 3-1/2 in.  
Faceplate Size..... 14 in.  
Feed Rod Diameter..... 3/4 in.  
Floor to Center Height..... 45-1/2 in.

**Construction**

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

**Other**

Kilowatt Output..... 5.6

**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:**

- Backlash Eliminator on Cross Slide Nut
- Built-in Stand
- Chip Tray Slides out for Easy Cleaning
- Chuck Safety Guard
- Coolant System
- Feed Rod is Equipped with an Overload Clutch for Safety
- Foot Brake
- Full Length Splash Guard
- Halogen Light
- Headstock Gears Run in an Oil Bath
- Inch/Metric Dials
- One Shot Lubrication for Saddle and Slides
- Precision Ground V-Bed is Made of Meehanite Casting
- Push/Pull Plunger on Apron for Feed Direction Control
- Totally Enclosed Universal Gearbox Allows Cutting of Inch, Metric, Whitworth, Module, and Diametral Threads
- Turret Micrometer Stop

**Accessories Included:**

- 10" 3-Jaw Chuck
- 12" 4-Jaw Chuck
- 14" Face Plate
- Center Sleeve
- Centers
- Extra 10" D1-6 Backplate
- Follow Rest with Finger Roller Jaws
- Manual
- Service Tools
- Steady Rest with Finger Roller Jaws
- Toolbox