



MACHINE DATA SHEET

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

MODEL G9731 13" X 40" PRECISION TOOL ROOM LATHE, 3 HP 220V 3-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 Crate
Content..... Machine
Weight..... 1597 lbs.
Length x Width x Height..... 30 x 73 x 62 in.

Electrical:

Minimum Circuit Size..... 15 amp
Switch..... Magnetic Switch with Thermal Overload Protection
Switch Voltage..... 220V
Plug Included..... No
Recommended Phase Converter..... G7978

Motors:

Main

Type..... TEFC Induction
Horsepower..... 3 HP
Voltage..... 220V
Prewired..... 220V
Phase..... Three
Amps..... 7.5A
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