



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

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 1597 lbs.
Length/Width/Height..... 30 x 73 x 62 in.

Electrical:

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