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.
Must Ship Upright	Yes

Electrical:

Power Requirement	220V, 3-Phase, 60 Hz
Prewired Voltage	220V
Full-Load Current Rating	7.5A
Minimum Circuit Size	15A
Plug Included	No
Switch Type	Magnetic Switch w/Thermal Overload Protection
Recommended Phase Converter	G7978

Motors:

Main

Horsepower	3 HP
Phase	3-Phase
Amps	7.5A
Speed	1725 RPM
Type	TEFC Induction
Power Transfer	Belt Drive
Bearings	Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type	N/A

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	19.5 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.

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Headstock Info

Spindle Bore..... 1.375 in.
Spindle Taper..... MT#4.5
Number of Spindle Speeds..... 8
Spindle Speeds..... 105 – 2000 RPM
Spindle Type..... D1-4 Camlock
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 – 0.0100 in./rev.
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 – 6.0 mm

Dimensions

Bed Width..... 7-1/2 in.
Carriage Leadscrew Diameter..... 7/8 in.
Leadscrew TPI..... 8 TPI
Carriage 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
End Gears..... Flame Hardened Cast Iron
Bed..... Induction-Hardened, Precision-Ground Cast Iron
Body..... Cast Iron
Stand..... Cast Iron
Paint Type/Finish..... Epoxy

Fluid Capacities

Headstock Capacity..... 7.4 qt.
Headstock Fluid Type..... ISO 32 (eg. Grizzly T23963, Mobil DTE Light)
Gearbox Capacity..... 1 qt.
Gearbox Fluid Type..... ISO 32 (eg. Grizzly T23963, Mobil DTE Light)
Apron Capacity..... 1 qt.
Apron Fluid Type..... ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)
Coolant Capacity..... 9 qt.

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Other Specifications:

Country of Origin ..... Taiwan
Warranty ..... 1 Year

Serial Number Location ..... ID Label on Right Back Side Machine Body (Machine's Electrical Control Box)
ISO 9001 Factory ..... No
Certified by a Nationally Recognized Testing Laboratory (NRTL) ..... No

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

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