



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.
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 Slat Crate
Content..... Machine
Weight..... 1621 lbs.
Length x Width x Height..... 30 x 73 x 62 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 20A
Minimum Circuit Size..... 30A
Plug Included..... No
Switch Type..... Magnetic Switch w/Thermal Overload Protection

Motors:

Main

Horsepower..... 3 HP
Phase..... Single-Phase
Amps..... 20A
Speed..... 1725 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... External

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.

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.

Other Specifications:

Country of Origin Taiwan
Warranty 1 Year

Serial Number Location ID Label on Right Back Side Machine Body (Machine's Electrical Control Panel)
ISO 9001 Factory
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