



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.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 18A
Minimum Circuit Size..... 20A
Plug Included..... No
Switch Type..... Magnetic Switch w/Thermal Overload Protection
Recommended Phase Converter..... H3741

Motors:

Main

Horsepower..... 7.5 HP
Phase..... 3-Phase
Amps..... 18A
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..... 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.....	2.0625 in.
Spindle Taper.....	MT#6
Number of Spindle Speeds.....	16
Spindle Speeds.....	25 – 2000 RPM
Spindle Type.....	D1-6 Camlock
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.....	2.313 in.

Threading Info

Number of Longitudinal Feeds.....	15
Range of Longitudinal Feeds.....	0.0015 – 0.0400 in./rev.
Number of Cross Feeds.....	15
Range of Cross Feeds.....	0.0008 – 0.0200 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 – 14.0 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.
Carriage Leadscrew Diameter.....	1-1/4 in.
Leadscrew TPI.....	4 TPI
Carriage 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
End Gears.....	Steel
Bed.....	Induction-Hardened, Precision-Ground Cast Iron
Body.....	Cast Iron
Stand.....	Formed Steel
Paint Type/Finish.....	Epoxy

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), Above On/Off Switch
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

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