



MACHINE DATA SHEET

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

MODEL G0789 22" X 60" TOOLROOM LATHE

Product Dimensions:

Weight..... 5038 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 112 x 46 x 58 in.
Footprint (Length x Width)..... 111 x 24 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 5930 lbs.
Length x Width x Height..... 114 x 47 x 69 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz
Full-Load Current Rating..... 27.5A
Minimum Circuit Size..... 40A
Connection Type..... Permanent (Hardwire to Disconnect Switch)
Switch Type..... Control Panel w/Magnetic Switch Protection
Recommended Phase Converter..... H3741

Motors:

Main

Horsepower..... 10 HP
Phase..... 3-Phase
Amps..... 26.7A
Speed..... 1770 RPM
Type..... TEFC Induction
Power Transfer Triple V-Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Coolant Pump

Horsepower..... 1/8 HP
Phase..... 3-Phase
Amps..... 0.8A
Speed..... 2800 RPM
Type..... TEFC Induction
Power Transfer Direct Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Main Specifications:

Operation Info

Swing Over Bed.....	22-1/2 in.
Distance Between Centers.....	59-1/16 in.
Swing Over Cross Slide.....	14 in.
Swing Over Gap.....	30-7/8 in.
Maximum Tool Bit Size.....	1 in.
Compound Travel.....	5 in.
Carriage Travel.....	56-1/2 in.
Cross Slide Travel.....	12-3/4 in.

Headstock Info

Spindle Bore.....	3.125 in. (79.38mm)
Spindle Taper.....	MT#7
Number of Spindle Speeds.....	12
Spindle Speeds.....	25 – 1600 RPM
Spindle Type.....	D1-8 Camlock
Spindle Bearings.....	Tapered Roller
Spindle Length.....	29-1/4 in.
Spindle Length with 3-Jaw Chuck.....	33 in.
Spindle Length with 4-Jaw Chuck.....	31-7/8 in.
Spindle Length with Faceplate.....	31-1/2 in.

Tailstock Info

Tailstock Quill Travel.....	7 in.
Tailstock Taper.....	MT#5
Tailstock Barrel Diameter.....	3 in.

Threading Info

Number of Longitudinal Feeds.....	35
Range of Longitudinal Feeds.....	0.0022 – 0.0612 in./rev.
Number of Cross Feeds.....	35
Range of Cross Feeds.....	0.00048 – 0.01354 in./rev.
Number of Inch Threads.....	60
Range of Inch Threads.....	2 – 112 TPI
Number of Metric Threads.....	47
Range of Metric Threads.....	0.2 – 14 mm
Number of Modular Pitches.....	39
Range of Modular Pitches.....	0.1 – 7.0 MP
Number of Diametral Pitches.....	50
Range of Diametral Pitches.....	4 – 112 DP

Dimensions

Bed Width.....	13-3/4 in.
Carriage Leadscrew Diameter.....	1-9/16 in.
Leadscrew TPI.....	4 TPI
Carriage Leadscrew Length.....	84-7/8 in.
Steady Rest Capacity.....	3/4 – 6-1/2 in.
Follow Rest Capacity.....	5/8 – 3-3/4 in.
Faceplate Size.....	18 in.
Feed Rod Diameter.....	15/16 in.
Floor to Center Height.....	45-5/8 in.

Other

Carriage Handwheel Graduations.....	0.005 in.
Carriage Handwheel Revolution.....	0.67 in.
Cross Slide Handwheel Graduations.....	0.001 in.
Cross Slide Handwheel Revolution.....	0.10 in.
Compound Handwheel Graduations.....	0.001 in.
Compound Handwheel Revolution.....	0.125 in.
Tailstock Handwheel Graduations.....	0.001 in.
Tailstock Handwheel Revolution.....	0.20 in.

Construction

Base.....	Cast Iron
Headstock.....	Cast Iron
End Gears.....	Flame-Hardened Steel
Bed.....	Hardened and Precision-Ground Cast Iron
Body.....	Cast Iron
Stand.....	Cast Iron
Paint Type/Finish.....	Epoxy

Fluid Capacities

Headstock Capacity.....	12 qt.
Headstock Fluid Type.....	ISO 32 (e.g. Grizzly T23963, Mobile DTE Light)
Gearbox Capacity.....	6.5 qt.
Gearbox Fluid Type.....	ISO 68 (e.g. Grizzly T23962, Mobil Vactra 2)
Apron Capacity.....	2.5 qt.
Apron Fluid Type.....	ISO 68 (e.g. Grizzly T23962, Mobil Vactra 2)
Coolant Capacity.....	21 qt.

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	1 Hour
Serial Number Location	ID Label on Headstock
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features:

- Hardened and Precision-Ground Meehanite Bed Casting
- Universal Quick Change Gear Box for Inch and Metric Threads, Plus Modular and Diametral Pitches
- Quick Change and Apron Gears Run in an Oil Bath
- Adjustable Apron Clutch
- One-Piece Heavy Cast-Iron Base
- Coolant System
- Halogen Lamp
- Foot Brake
- Thread Dial
- 4-Position Auto Apron Stop
- One-Shot Lubrication on Apron
- Full-Length Splash Guard
- Safety Chuck Guard with Micro-Switch Shut-Off

Accessories Included:

12" 3-Jaw Chuck with 2 Sets of Jaws
14" 4-Jaw Independent Chuck with Reversible Jaws
18" Face Plate
2 MT#5 Dead Centers
MT#5-MT#7 Center Sleeve
Follow Rest
Leveling Pads
Quick-Change Tool Post and 2 Holders
Service Tools
Steady Rest with Roller Tips
Tool Box