



MACHINE DATA SHEET

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

MODEL G0600 20" X 60" 3-PHASE BIG BORE METAL LATHE

Product Dimensions:

Weight..... 5071 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 110-3/4 x 45-1/4 x 51 in.
Footprint (Length x Width)..... 109-1/4 x 24-3/4 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 5758 lbs.
Length x Width x Height..... 114 x 44 x 63 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 28.6A
Minimum Circuit Size..... 40A
Connection Type..... Permanent (Hardwire to Shutoff Switch)
Switch Type..... Magnetic Switch w/Overload Protection
Recommended Phase Converter..... H3741

Motors:

Main

Horsepower..... 10 HP
Phase..... 3-Phase
Amps..... 28A
Speed..... 1725 RPM
Type..... TEFC Induction
Power Transfer Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Coolant Pump

Horsepower..... 1/8 HP
Phase..... 3-Phase
Amps..... 0.6A
Speed..... 3450 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.....	20 in.
Distance Between Centers.....	60 in.
Swing Over Cross Slide.....	12 in.
Swing Over Saddle.....	12 in.
Swing Over Gap.....	29 in.
Maximum Tool Bit Size.....	1 in.
Compound Travel.....	5 in.
Carriage Travel.....	56-11/16 in.
Cross Slide Travel.....	12-3/4 in.

Headstock Info

Spindle Bore.....	3.15 in.
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.....	35-3/4 in.
Spindle Length with 4-Jaw Chuck.....	34-7/8 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 – 14.0 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.....	17-3/4 in.
Feed Rod Diameter.....	15/16 in.
Floor to Center Height.....	44-5/8 in.
Height With Leveling Jacks.....	53 in.

Construction

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

Fluid Capacities

Headstock Capacity.....	12.68 quarts
Gearbox Capacity.....	6.97 quarts
Apron Capacity.....	2.75 quarts
Coolant Capacity.....	21.13 quarts

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	1 Hour
Serial Number Location	ID Label
ISO 9001 Factory	No
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
- Hardened and Precision-Ground Headstock, 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 Chasing Dial
- 4-Position Auto Apron Stop
- One Shot Lubrication on Apron
- Full Length Splash Guard
- Dual Inch/Metric Dials
- Rollers Inside Steady Rest
- Headstock Internal Oil Pump and Oil Director Distribution Pipes
- Spindle Balance Counterweight System
- Two Piece Chuck Jaws

Accessories Included:

- #5 - #7 Morse Taper Sleeve
- 12" 3-Jaw Chuck
- 14" 4-Jaw Chuck
- 17-3/4" Face Plate
- Centers
- Follow Rest
- Leveling Pads
- Quick Change Tool Post and Holder
- Service Tools
- Steady Rest
- Tool Box