



# 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