

# Grizzly Industrial®

CORPORATE HEADQUARTERS

P.O. BOX 2069, BELLINGHAM, WA, U.S.A.

TELEPHONE: (360) 647-0801 • FAX: (360) 676-1075

## Introducing the Grizzly Model G0670 16" x 40" Electronic Variable Speed Lathe



*Of all of the  
lathes we carry,  
this is my favorite!*

S. Balolia, President

**MADE IN TAIWAN**

### **MACHINE HIGHLIGHTS (see *Machine Data Sheet* for full specifications)**

- 5 HP, 220V/440V, 3-phase motor with a Yaskawa 5 HP frequency drive.
- Hardened and ground gears in headstock.
- Dial controlled electronic variable speed spindle with a range of 20–2500 RPM.
- Constant surface speed feature automatically adjusts the spindle speed as the workpiece diameter decreases, providing a consistent rate of material removal.
- Totally enclosed gearbox with pressurized lubrication and top quality spindle bearings.
- Hardened and precision ground triple V-way bed made with Meehanite castings.
- Thread options include inch, metric, Whitworth, modular, and diametral.
- Includes chucks, steady rest, follow rest, coolant system, and halogen work lamp.
- Precision and heavy-duty construction built to last—weighs 3080 lbs.

The Model G0670 16" x 40" Electronic Variable Speed Lathe is available for \$14,995.00. As with all Grizzly products, the Model G0670 is covered by a one-year warranty. For more information call 1-800-523-4777 or visit [www.grizzly.com](http://www.grizzly.com).



# MACHINE DATA SHEET

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

## MODEL G0670 16" X 40" ELECTRONIC VARIABLE SPEED LATHE

### Product Dimensions:

Weight..... 3080 lbs.  
 Length/Width/Height..... 82 x 37-3/4 x 57-1/2 in.  
 Foot Print (Length/Width)..... 82 x 20-1/2 in.

### Shipping Dimensions:

Type..... Wood Slat Crate  
 Content..... Machine  
 Weight..... 3417 lbs.  
 Length/Width/Height..... 89-1/2 x 44-1/4 x 68-3/4 in.

### Electrical:

Power Requirement..... 220V, 3-Phase, 60Hz  
 Minimum Circuit Size..... 20 amp  
 Inverter Type..... Yaskawa G7A23P7  
 Switch..... Magnetic with Thermal Protection  
 Switch Voltage..... 220V  
 Cord Length..... 5 ft.  
 Cord Gauge..... 12 guage  
 Plug Included..... No

### Motors:

#### Main

Type..... TEFC Induction  
 Horsepower..... 5 Hp  
 Voltage..... 220V  
 Prewired..... 220V  
 Phase..... Three  
 Amps..... 14A  
 Speed..... 3450 RPM  
 Cycle..... 60 Hz  
 Number Of Speeds..... 1  
 Power Transfer ..... V-Belt & Gear  
 Bearings..... Shielded and Permanently Sealed

#### Lubrication

Type..... TEFC Induction  
 Horsepower..... 1/4 HP  
 Voltage..... 220V  
 Prewired..... 220V  
 Phase..... Three  
 Amps..... 1.4A  
 Speed..... 1725 RPM  
 Cycle..... 60 Hz  
 Number Of Speeds..... 1  
 Power Transfer ..... Direct Drive  
 Bearings..... Shielded and Permanently Sealed

**Coolant**

Type.....	TEFC Induction
Horsepower.....	1/8 HP
Voltage.....	220V
Prewired.....	220V
Phase.....	Three
Amps.....	0.3A
Speed.....	3450 RPM
Cycle.....	60 Hz
Number Of Speeds.....	1
Power Transfer .....	Direct Drive
Bearings.....	Shielded and Permanently Sealed

**Main Specifications:**

**Operation Info**

Swing Over Bed.....	16-1/8 in.
Dist Between Centers.....	40 in.
Swing Over Cross Slide.....	10-3/8 in.
Swing Over Saddle.....	15-3/8 in.
Swing Over Gap.....	22-15/16 in.
Max Tool Bit Size.....	5/8 in.
Compound Travel.....	5-1/8 in.
Carriage Travel.....	40 in.
Cross Slide Travel.....	8-3/16 in.

**Headstock Info**

Spindle Bore.....	2-1/16 in.
Spindle Taper.....	MT#6
No Of Spindle Speeds.....	Variable
Spindle Speeds.....	20 - 2500 RPM
Spindle Type.....	D1-6 Camlock
Spindle Bearings.....	Tapered Roller
Spindle Length.....	24-3/8 in.
Spindle Length with 3-Jaw Chuck.....	30-1/2 in.
Spindle Length with 4-Jaw Chuck.....	28-7/8 in.

**Tailstock Info**

Tailstock Travel.....	6 in.
Tailstock Taper.....	MT#4
Tailstock Barrel Diameter.....	2.047 in.

**Threading Info**

No Of Inch Threads.....	45
Range Of Inch Threads.....	2 - 72 TPI
Range Of Longitudinal Feeds.....	0.002 - 0.067 in./rev.
No Of Longitudinal Feeds.....	17
No Of Cross Feeds.....	17
Range Of Cross Feeds.....	Constant Surface Speed & 0.001 - 0.0034 in./rev.
No Of Metric Threads.....	39
Range Of Metric Threads.....	0.2 - 14 mm
No Of Modular Threads.....	18
Range Of Modular Threads.....	0.3 - 3.5 MP
No Of Diametrical Threads.....	21
Range Of Diametrical Threads.....	8 - 44 DP

**Dimensions**

Bed Width.....	10-1/4 in.
Leadscrew TPI.....	4
Leadscrew Length.....	61-1/2 in.
Steady Rest Capacity.....	5/16 - 4-5/16 in.
Follow Rest Capacity.....	5/8 - 3-1/8 in.
Faceplate Size.....	12 in.
Leadscrew Diameter.....	1-1/8 in.
Feed Rod Diameter.....	3/4 in.
Floor To Center Height.....	44-1/4 in.
Height With Leveling Jacks.....	46-3/4 in.

**Construction**

Base Construction.....	Cast Iron
Headstock Construction.....	Cast Iron
Headstock Gears Construction.....	Flame Hardened Steel
Bed Construction.....	Induction Hardened Cast Iron
Body Construction.....	Cast Iron
Stand Construction.....	Cast Iron
Paint.....	Urethane

**Other Specifications:**

Country Of Origin .....	Taiwan
Warranty .....	1 Year
Serial Number Location .....	ID Label on Front of Chip Tray
Assembly Time .....	2 hrs.

**Features:**

- Dial Controlled, Variable Spindle Speeds w/Digital Read Out
- Constant Surface Speed Function
- Precision Hardened and Ground Bed V-Ways made of Meehanite Casting
- Totally Enclosed Universal Gearbox for Cutting of Inch, Metric, Modular & Diametral Threads
- Deep Pull-Out Chip Tray
- Pressurized Lubrication System for Headstock Gears & Bearings
- Powered Coolant System w/4-3/4 Gallon Tank
- Full Length Splash Guard
- Halogen Work Light

**Accessories Included:**

- #4 to #6 Morse Taper Spindle Nose Sleeve
- 10" 4-Jaw Chuck
- 12" Face Plate
- 9" 3-Jaw Chuck
- Centers, Center Sleeve, Service Tools, Manual, and Toolbox
- Dual Inch/Metric Dials
- Follow Rest
- Jog Button & Emergency Stop
- Steady Rest