



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.
Width (side-to-side) x Depth (front-to-back) x Height..... 82 x 37-3/4 x 57-1/2 in.
Footprint (Length x Width)..... 82 x 20-1/2 in.

Shipping Dimensions:

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

Electrical:

Power Requirement..... 220V, 3-Phase, 60Hz
Minimum Circuit Size..... 20A
Inverter Type..... Yaskawa G7A23P7
Switch..... Magnetic with Thermal Protection
Switch Voltage..... 220V
Cord Length..... 5 ft.
Cord Gauge..... 12 AWG
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.
Distance 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.
Maximum 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
Number 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 Quill Travel.....	6 in.
Tailstock Taper.....	MT#4
Tailstock Barrel Diameter.....	2.047 in.

Threading Info

Number of Longitudinal Feeds.....	17
Range of Longitudinal Feeds.....	0.002 - 0.067 in./rev.
Number of Cross Feeds.....	17
Range of Cross Feeds.....	Constant Surface Speed & 0.001 - 0.0034 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 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.....	10-1/4 in.
Leadscrew Diameter.....	1-1/8 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.
Feed Rod Diameter.....	3/4 in.
Floor to Center Height.....	44-1/4 in.
Height With Leveling Jacks.....	46-3/4 in.

Construction

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