



MACHINE DATA SHEET

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

MODEL G0669X 10" X 54" PRECISION VARIABLE-SPEED VERTICAL MILL

Product Dimensions:

Weight..... 3080 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 66 x 77 x 89 in.
Footprint (Length x Width)..... 41 x 24 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 3410 lbs.
Length x Width x Height..... 74 x 60 x 77 in.

Electrical:

Minimum Circuit Size..... 20 amp
Switch..... ON/OFF Power Switch
Switch Voltage..... 220V
Cord Length..... 6 ft.
Cord Gauge..... 14 ga.
Plug Included..... No

Motors:

Table Elevation

Type..... TEFC Induction
Horsepower..... 1/2 HP
Voltage..... 220V
Prewired..... 220V
Phase..... Single
Amps..... 1.9A
Speed..... 1.4 FPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Beveled Gear Drive
Bearings..... Shielded and Lubricated

Spindle

Type..... TEFC Induction
Horsepower..... 5 HP
Voltage..... 220V
Prewired..... 220V
Phase..... Single
Amps..... 14A
Speed..... 1725 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Belt Drive
Bearings..... Shielded and Lubricated

Longitudinal Power Feed

Type.....	DC Universal
Horsepower.....	1/10 HP
Voltage.....	110V
Prewired.....	110V
Phase.....	Single
Amps.....	0.8A
Speed.....	0 - 200
Cycle.....	60 Hz
Number of Speeds.....	Variable
Power Transfer	Direct Drive
Bearings.....	Shielded and Lubricated

Coolant Pump

Type.....	TEFC Induction
Horsepower.....	1/8 HP
Voltage.....	220V
Prewired.....	220V
Phase.....	Single
Amps.....	0.5A
Speed.....	3450 RPM
Cycle.....	60 Hz
Number of Speeds.....	1
Power Transfer	Direct Drive
Bearings.....	Sealed and Lubricated

Main Specifications:

Operation Info

Spindle Travel.....	5 in.
Swing.....	50 in.
Longitudinal Table Travel.....	36 in.
Cross Table Travel.....	15 in.
Vertical Table Travel.....	13-1/2 in.
Knee Travel.....	13-1/2 in.
Ram Travel.....	19 in.
Ram Swivel Angle.....	360 deg.
Head Travel.....	5 in.
Head Tilt (Left-to-Right).....	Left and Right 90 deg.
Head Tilt (Front-to-Back).....	Left and Right 45 deg.
Turret or Column Swivel (Left and Right).....	360 deg.
Maximum Distance Spindle to Column.....	25 in.
Maximum Distance Spindle to Table.....	15 in.
Drilling Capacity for Cast Iron.....	1 in.
Drilling Capacity for Steel.....	3/4 in.
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	75 - 4200 RPM
Number of Longitudinal Feeds.....	Variable
Feed Rate.....	0 - 31-1/2 in./min.
Quill Diameter.....	3.375 in.
Quill Feed Rates.....	0.0015, 0.003, 0.006 in

Table Info

Table Length.....	54 in.
Table Width.....	10 in.
Table Thickness.....	3 in.
Number of T-Slots.....	3
T-Slots Width.....	5/8 in.
T-Slots Height.....	1 in.
T-Slots Centers.....	2-1/2 in.
Stud Size.....	1/2 in.

Spindle Info

Spindle Taper..... R-8
Spindle Size..... 1-3/8 in.
End Milling Capacity..... 1 in.
Face Milling Capacity..... 4 in.
Drawbar Diameter..... 7/15 in.
Drawbar TPI..... 20
Drawbar Length..... 23-1/2 in.
Spindle Bearings..... Angular Contact, P5 Class

Lead Screw Info

Leadscrew Diameter..... 1.250 in.
Leadscrew TPI..... 5
Leadscrew Length..... 70 in.

Construction

Spindle Housing/Quill..... Cast Iron
Table..... Hardened and Precision Ground Cast Iron
Head..... Meehanite Cast Iron
Column..... Meehanite Cast Iron
Base..... Meehanite Cast Iron
Paint..... Urethane

Other

Collar Graduations..... 0.200 in. per rev.

Other Specifications:

Country Of Origin Taiwan
Warranty 1 Year
Serial Number Location ID Label on Ride Side of Column
Assembly Time 2 hours

Features:

- Built-In Single Phase to 3-Phase Power Inverter
- One-Shot Pump Table Lubrication
- Auto Down Feed
- Auto Stop with Micro Adjustable Stop
- Longitudinal Power Feed with 550 In./Lbs. Of Torque
- Spindle & Headstock Components Dynamically Balanced for Precision Milling
- Built-In Coolant System
- Heavy-Duty Spindle Brake
- High Precision Spindle w/P5 Class Angular Contact Ball Bearings
- Double-Bronzed Nut on X & Y Leadscrews for Ultra-Smooth Movement w/Minimal Baclash