



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..... 3278 lbs.
Length x Width x Height..... 58 x 74 x 77 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 17.2A
Minimum Circuit Size..... 20A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 14 AWG
Plug Included..... No
Switch Type..... ON/OFF Power Switch

Motors:

Main

Horsepower..... 5 HP
Phase..... Single-Phase
Amps..... 14A
Speed..... 1725 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Coolant Pump

Horsepower..... 1/8 HP
Phase..... Single-Phase
Amps..... 0.5A
Speed..... 3450 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer Direct Drive
Bearings..... Sealed & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Table Elevation

Horsepower.....	1/2 HP
Phase.....	Single-Phase
Amps.....	1.9A
Speed.....	1.4 FPM
Type.....	TEFC Capacitor-Start Induction
Power Transfer	Beveled Gear Drive
Bearings.....	Shielded & Permanently Lubricated

Feed

Horsepower.....	1/10 HP
Phase.....	Single-Phase
Amps.....	0.8A
Speed.....	0 – 200 RPM
Type.....	Universal
Power Transfer	Direct Drive
Bearings.....	Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type.....	N/A

Main Specifications:

Operation Info

Spindle Travel.....	5 in.
Max Distance Spindle to Column.....	25 in.
Max Distance Spindle to Table.....	15 in.
Longitudinal Table Travel (X-Axis).....	36 in.
Cross Table Travel (Y-Axis).....	15 in.
Vertical Table Travel (Z-Axis).....	13-1/2 in.
Vertical Head Travel (Z-Axis).....	5 in.
Ram Travel.....	19 in.
Turret or Column Swivel (Left/Right).....	360 deg.
Head Tilt (Left/Right).....	90 deg.
Head Tilt (Front/Back).....	45 deg.
Drilling Capacity for Cast Iron.....	1 in.
Drilling Capacity for Steel.....	3/4 in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	4 in.

Table Info

Table Length.....	54 in.
Table Width.....	10 in.
Table Thickness.....	3 in.
Number of T-Slots.....	3
T-Slot Size.....	5/8 in.
T-Slots Centers.....	2-1/2 in.
Number of Longitudinal Feeds.....	Variable
X-Axis Table Power Feed Rate.....	0 – 2-5/8 FPM
X/Y-Axis Travel per Handwheel Revolution.....	0.200 in.
Z-Axis Travel per Handwheel Revolution.....	0.100 in.

Spindle Info

Spindle Taper.....	R8
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	75 – 4200 RPM
Quill Diameter.....	3.375 in.
Quill Feed Rates.....	0.0015, 0.003, 0.006 in./rev.
Drawbar Thread Size.....	7/16
Drawbar Length.....	23-1/2 in.
Spindle Bearings.....	Angular Contact P5 (ABEC-5)

Construction

Spindle Housing/Quill.....	Cast Iron
Table.....	Hardened & Precision-Ground Cast Iron
Head.....	Meehanite Cast Iron
Column/Base.....	Meehanite Cast Iron
Base.....	Cast Iron
Paint Type/Finish.....	Urethane

Other Specifications:

Country of Origin	Taiwan
Warranty	1 Year
Approximate Assembly & Setup Time	2 Hours
Serial Number Location	ID Label on Ride Side of Column
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

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 Backlash