



MACHINE DATA SHEET

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

MODEL G0667X 9" X 48" 3 HP HIGH PRECISION VARIABLE-SPEED VERTICAL MILL

Product Dimensions:

Weight..... 2156 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 57 x 71 x 87-1/2 in.
 Footprint (Length x Width)..... 26 x 24 in.
 Space Required for Full Range of Movement (Width x Depth)..... 98-1/2 x 66-1/2 in.

Shipping Dimensions:

Type..... Wood Crate
 Content..... Machine
 Weight..... 2352 lbs.
 Length x Width x Height..... 54 x 59 x 74 in.
 Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz
 Prewired Voltage..... 220V
 Full-Load Current Rating..... 9.8A
 Minimum Circuit Size..... 15A
 Connection Type..... Cord & Plug
 Power Cord Included..... Yes
 Power Cord Length..... 6 ft.
 Power Cord Gauge..... 14 AWG
 Plug Included..... No
 Recommended Plug Type..... 6-15
 Switch Type..... Control Panel w/Magnetic Switch Protection
 Inverter (VFD) Type..... Yaskawa V1000
 Inverter (VFD) Size..... 5 HP

Motors:

Main

Horsepower..... 3 HP
 Phase..... 3-Phase
 Amps..... 8.5A
 Speed..... 1725 RPM
 Type..... TEFC Induction
 Power Transfer Belt Drive
 Bearings..... Sealed & 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

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.....	19 in.
Max Distance Spindle to Table.....	18 in.
Longitudinal Table Travel (X-Axis).....	29 in.
Cross Table Travel (Y-Axis).....	12 in.
Vertical Table Travel (Z-Axis).....	16 in.
Ram Travel.....	13 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.....	48 in.
Table Width.....	9 in.
Table Thickness.....	1-3/4 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.....	R-8
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	60 – 5000 RPM
Quill Diameter.....	3.375 in.
Quill Feed Rates.....	0.0015, 0.003, 0.006 in./rev.
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	18-1/2 in.
Spindle Bearings.....	Angular Contact P4 (ABEC-7)

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/P4 Class Angular Contact Ball Bearings
Double-Bronzed Nut on X & Y Leadscrews for Ultra-Smooth Movement w/Minimal Backlash