



# MACHINE DATA SHEET

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

## MODEL G0667X 9" X 48" 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.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 2352 lbs.  
Length x Width x Height..... 58 x 54 x 73 in.

### Electrical:

Power Requirement..... 220V Single-Phase 60Hz  
Minimum Circuit Size..... 15 amp  
Inverter Type..... Yaskawa V1000  
Inverter Size..... 5 HP  
Switch..... ON/OFF Toggle Magnetic w/Thermal Overload Protection  
Switch Voltage..... 220V  
Cord Length..... 6 ft.  
Cord Gauge..... 14 guage  
Plug Included..... No  
Recommended Plug/Outlet Type..... NEMA 6-15 or L6-15

### Motors:

#### Spindle

Type..... TEFC Induction  
Horsepower..... 3 HP  
Voltage..... 220V  
Prewired..... 220V  
Phase..... Three  
Amps..... 8.5A  
Speed..... 1725 RPM  
Cycle..... 60 Hz  
Number of Speeds..... 1  
Power Transfer ..... Belt Drive  
Bearings..... Sealed 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.....	37 in.
Longitudinal Table Travel.....	29 in.
Cross Table Travel.....	12 in.
Vertical Table Travel.....	16 in.
Knee Travel.....	16 in.
Ram Travel.....	13 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.....	19 in.
Maximum Distance Spindle to Table.....	18 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.....	60 - 5000 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.....	48 in.
Table Width.....	9 in.
Table Thickness.....	1-3/4 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.....	1-13/16 in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	4 in.
Drawbar Diameter.....	1/2 in.
Drawbar TPI.....	20
Drawbar Length.....	18-1/2 in.
Spindle Bearings.....	Angular Contact, P4 Class

**Lead Screw Info**

Leadscrew Diameter..... 1.25 in.  
Leadscrew TPI..... 5  
Leadscrew Length..... 64 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..... 0.220 in./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/P4 Class Angular Contact Ball Bearings
- Double-Bronzed Nut on X & Y Leadscrews for Ultra-Smooth Movement w/Minimal Backlash