



# MACHINE DATA SHEET

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

## MODEL G0678 8" X 30" 1-1/2 HP VARIABLE-SPEED VERTICAL MILL

### Product Dimensions:

Weight..... 991 lbs.  
 Width (side-to-side) x Depth (front-to-back) x Height..... 40-1/2 x 42-3/4 x 67 in.  
 Footprint (Length x Width)..... 19 x 26 in.  
 Space Required for Full Range of Movement (Width x Depth)..... 68 x 45 in.

### Shipping Dimensions:

Type..... Wood Crate  
 Content..... Machine  
 Weight..... 966 lbs.  
 Length x Width x Height..... 45 x 45 x 76 in.  
 Must Ship Upright..... Yes

### Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz  
 Prewired Voltage..... 220V  
 Full-Load Current Rating..... 3.3A  
 Minimum Circuit Size..... 15A  
 Connection Type..... Cord & Plug  
 Power Cord Included..... No  
 Recommended Power Cord..... "S"-Type, 3-Wire, 16 AWG, 300 VAC  
 Plug Included..... No  
 Recommended Plug Type..... 6-15  
 Switch Type..... Control Panel w/Magnetic Switch Protection  
 Inverter (VFD) Type..... Yaskawa RM5G-2001  
 Inverter (VFD) Size..... 1 HP

### Motors:

#### Main

Horsepower..... 1.5 HP  
 Phase..... 3-Phase  
 Amps..... 3.3A  
 Speed..... 1725 RPM  
 Type..... TEFC Induction  
 Power Transfer ..... V-Belt Drive  
 Bearings..... Shielded & Permanently Lubricated  
 Centrifugal Switch/Contacts Type..... N/A

**Main Specifications:**

**Operation Info**

Spindle Travel.....	3-1/2 in.
Max Distance Spindle to Column.....	7 in.
Max Distance Spindle to Table.....	20 in.
Longitudinal Table Travel (X-Axis).....	18 in.
Cross Table Travel (Y-Axis).....	7-3/4 in.
Vertical Table Travel (Z-Axis).....	17-3/4 in.
Turret or Column Swivel (Left /Right).....	360 deg.
Head Tilt (Left/Right).....	90 deg.
Drilling Capacity for Cast Iron.....	1 in.
Drilling Capacity for Steel.....	3/4 in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	3 in.

**Table Info**

Table Length.....	30 in.
Table Width.....	8 in.
Table Thickness.....	2 in.
Number of T-Slots.....	3
T-Slot Size.....	1/2 in.
T-Slots Centers.....	2-3/16 in.

**Spindle Info**

Spindle Taper.....	R-8
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	200 – 2250 RPM
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	12-3/8 in
Spindle Bearings.....	Angular Contact Bearings

**Construction**

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

**Other Specifications:**

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

**Features:**

- One-Shot Lubrication
- High Precision Ball Bearings
- Bronze Nut on Longitudinal & Cross Feed Leadscrews
- Variable Frequency Drive Speed Control
- Hardened and Precision-Ground Leadscrews
- Runs on Single-Phase Power Using a 3-Phase Inverter
- Work Light