



# MACHINE DATA SHEET

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

## MODEL G3102 VERTICAL MILL

### Product Dimensions:

Weight..... 800 lbs.  
Length/Width/Height..... 45-1/2 x 41 x 66-5/8 in.  
Foot Print (Length/Width)..... 27-1/2 x 21 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 904 lbs.  
Length/Width/Height..... 37 x 41 x 76 in.

### Electrical:

Switch..... Forward/Reverse Barrel  
Switch Voltage..... 110V  
Cord Length..... 6 ft.  
Cord Gauge..... 14 gauge  
Minimum Circuit Size..... 20 Amp  
Plug Included..... Yes

### Motors:

#### Main

Type..... TEFC Capacitor Start Induction  
Horsepower..... 1-1/2 HP  
Voltage..... 110/220V  
Prewired..... 110V  
Phase..... Single  
Amps..... 16/8A  
Speed..... 1720 RPM  
Cycle..... 60 Hz  
Number Of Speeds..... 1  
Power Transfer ..... V-Belt Drive  
Bearings..... Shielded, Permanently Lubricated

**Main Specifications:**

**Operation Info**

Spindle Travel.....	3 in.
Swing.....	11 in.
Longitudinal Table Travel.....	15-5/8 in.
Cross Table Travel.....	6 in.
Vert. Table Travel.....	14 in.
Knee Travel.....	13-1/2 in.
Ram Swivel Angle.....	Left and Right 45 deg.
Head Travel.....	2-1/2 in.
Head Swivel.....	90 deg.
Head Tilt.....	Left and Right 45 deg.
Turret Or Column Swivel.....	Left and Right 45 deg.
Max. Dist Spindle To Column.....	5-1/2 in.
Max. Dist Spindle To Table.....	12-1/2 in.
Drilling Cap For Cast Iron.....	1 in.
Drilling Cap For Steel.....	3/4 in.
No. Of Vert. Spindle Speeds.....	9
Range Of Vert. Spindle Speeds.....	240, 360, 520, 730, 1280, 1320, 1600, 2220, 2760 RPM
Quill Dia.....	2.950 in.

**Table Info**

Table Length.....	26 in.
Table Width.....	6-1/8 in.
Table Thickness.....	1-3/4 in.
No. Of T Slots.....	3
T Slots Width.....	0.560 in.
T Slots Height.....	5/8 in.
T Slots Centers.....	1-9/16 in.
Stud Size.....	3/8 in.

**Spindle Info**

Spindle Taper.....	R-8
End Milling Cap.....	3/4 in.
Face Milling Cap.....	3 in.
Draw Bar Diameter.....	7/16 in.
Draw Bar TPI.....	7/16 - 20
Draw Bar Length.....	12-1/4 in.
Spindle Bearings.....	Tapered Roller

**Lead Screw Info**

Lead Screw Diameter.....	15/16 in.
Lead Screw TPI.....	8
Lead Screw Length.....	31 in.

**Construction**

Spindle Housing Const.....	Cast Iron
Table Const.....	Surface Ground Cast Iron
Head Const.....	Cast Iron
Column Const.....	Cast Iron
Base Const.....	Cast Iron
Stand Const.....	Steel
Paint.....	Epoxy

**Other**

Collars Calibrated.....	0.001 in.
Mobile Base.....	G7315Z

**Other Specifications:**

Country Of Origin ..... China  
Warranty ..... 1 Year  
Assembly Time ..... 1 hour

**Features:**

High Precision Ground Vertical and Cross Ways  
Milling Head Micro-Feed  
Lower Noise and Convenient Operation  
Built-In Work Light

**Accessories Included:**

Arbor  
Drawbar  
End Mill  
Inner Hexagon Spanner  
Oil Gun  
Tool Box  
Two Head Wrench