



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