



MACHINE DATA SHEET

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

MODEL G3103 VERTICAL MILL W/ TABLE POWER FEED

Product Dimensions:

Weight..... 900 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 45-1/2 x 41 x 66-5/8 in.
Footprint (Length x Width)..... 27-1/2 x 21 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 926 lbs.
Length x Width x Height..... 37 x 41 x 75 in.

Electrical:

Minimum Circuit Size..... 20 Amp
Switch..... Forward/Reverse Barrel
Switch Voltage..... 110V
Cord Length..... 6 ft.
Cord Gauge..... 14 gauge
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.
Vertical Table Travel.....	14 in.
Knee Travel.....	13-1/2 in.
Head Travel.....	2-1/2 in.
Head Tilt (Left-to-Right).....	45 deg.
Turret or Column Swivel (Left and Right).....	45 deg.
Maximum Distance Spindle to Column.....	5-1/2 in.
Maximum Distance Spindle to Table.....	12-1/2 in.
Drilling Capacity for Cast Iron.....	1 in.
Drilling Capacity for Steel.....	3/4 in.
Number of Vertical Spindle Speeds.....	9
Range of Vertical Spindle Speeds.....	240, 360, 520, 730, 1280, 1320, 1600, 2220, 2760 RPM
Number of Longitudinal Feeds.....	Variable
Feed Rate.....	0 — 140 FPM
Quill Diameter.....	2.950 in.

Table Info

Table Length.....	26 in.
Table Width.....	6-1/8 in.
Table Thickness.....	1-3/4 in.
Number of T-Slots.....	3
T-Slots Width.....	0.560 in.
T-Slots Height.....	0.850 in.
T-Slots Centers.....	1-9/16 in.
Stud Size.....	3/8 in.

Spindle Info

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

Lead Screw Info

Leadscrew Diameter.....	15/16 in.
Leadscrew TPI.....	8
Leadscrew Length.....	31 in.

Construction

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

Other

Collar Graduations.....	0.001 in.
Recommended 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
Servo-Type Variable Speed Power Feed Unit with Limit Switches
Extended Lead Screw on the X-Axis

Accessories Included:

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