



MACHINE DATA SHEET

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

MODEL G3616 VERTICAL MILL

Product Dimensions:

Weight..... 1322 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 41-15/16 x 41-3/4 x 81 in.
Footprint (Length x Width)..... 28-3/4 x 18 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 1996 lbs.
Length x Width x Height..... 44 x 45 x 88 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 110V or 220V, Single-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 20.9A at 110V, 10.45A at 220V
Minimum Circuit Size..... 30A at 110V, 15A at 220V
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 12 AWG
Plug Included..... No
Switch Type..... Forward/Reverse

Motors:

Main

Horsepower..... 2 HP
Phase..... Single-Phase
Amps..... 20A/10A
Speed..... 1725 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer V-Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... Internal

Coolant Pump

Horsepower..... 1/8 HP
Phase..... Single-Phase
Amps..... 0.9A/0.45A
Type..... TEFC Permanent-Split Capacitor
Power Transfer Direct Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Main Specifications:

Operation Info

Spindle Travel.....	5 in.
Max Distance Spindle to Column.....	22 in.
Max Distance Spindle to Table.....	15 in.
Longitudinal Table Travel (X-Axis).....	15-1/2 in.
Cross Table Travel (Y-Axis).....	8-1/2 in.
Vertical Table Travel (Z-Axis).....	13 in.
Table Swivel (Left/Right).....	45 deg.
Vertical Head Travel (Z-Axis).....	5 in.
Ram Travel.....	11 in.
Turret or Column Swivel (Left/Right).....	90 deg.
Head Tilt (Left/Right).....	90 deg.
Drilling Capacity for Cast Iron.....	1-1/4 in.
Drilling Capacity for Steel.....	1-1/4 in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	3 in.

Table Info

Table Length.....	31-1/2 in.
Table Width.....	9-1/2 in.
Table Thickness.....	2-1/2 in.
Table Weight Capacity.....	220 lbs
Number of T-Slots.....	3
T-Slot Size.....	0.64 in.
T-Slots Centers.....	3 in.
Number of Longitudinal Feeds.....	Variable
X-Axis Table Power Feed Rate.....	0 – 11.67 FPM
X/Y-Axis Travel per Handwheel Revolution.....	0.200 in.
Z-Axis Travel per Handwheel Revolution.....	0.100 in.

Spindle Info

Spindle Taper.....	R8
Number of Vertical Spindle Speeds.....	9
Range of Vertical Spindle Speeds.....	270 – 2950 RPM
Quill Diameter.....	3-1/2 in.
Drawbar Thread Size.....	0.550
Drawbar Length.....	16-5/8 in.
Spindle Bearings.....	Tapered Roller & Ball Bearings

Construction

Spindle Housing/Quill.....	Cast Iron
Table.....	Surface Ground Cast Iron
Head.....	Cast Iron
Column/Base.....	Cast Iron
Base.....	Cast Iron
Paint Type/Finish.....	Enamel

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	1-1/2 Hours
Serial Number Location	Label on Head Casting
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features:

- Coolant System
- Fine Down Feed
- Reversing Switch
- Longitudinal Power Feed
- Work Light
- Centralized Controls

Accessories Included:

- Drill Chuck with Arbor
- Milling Vise
- Set of R-8 Collets