



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.

Electrical:

Minimum Circuit Size..... 15 amps at 220V, 30 amps at 110V
Switch..... Forward/Reverse
Switch Voltage..... 220V
Cord Length..... 6 ft.
Cord Gauge..... 12 gauge
Plug Included..... No

Motors:

Main

Type..... TEFC Capacitor Start Induction
Horsepower..... 2 HP
Voltage..... 110/220V
Prewired..... 220V
Phase..... Single
Amps..... 20/10A
Speed..... 1725 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer V-Belt Drive
Bearings..... Shielded, Permanently Lubricated

Coolant

Type..... AC Sealed
Horsepower..... 1/8 HP
Voltage..... 110/220V
Prewired..... 220V
Phase..... Single
Amps..... 0.9/0.45A
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Direct Drive
Bearings..... Shielded, Permanently Lubricated

Main Specifications:

Operation Info

Spindle Travel.....	5 in.
Swing.....	44 in.
Longitudinal Table Travel.....	15-1/2 in.
Cross Table Travel.....	8-1/2 in.
Vertical Table Travel.....	13 in.
Table Swivel (Left and Right).....	45 deg.
Knee Travel.....	13 in.
Ram Travel.....	11 in.
Head Travel.....	5 in.
Head Tilt (Left-to-Right).....	90 deg.
Turret or Column Swivel (Left and Right).....	90 deg.
Maximum Distance Spindle to Column.....	22 in.
Maximum Distance Spindle to Table.....	15 in.
Drilling Capacity for Cast Iron.....	1-1/4 in.
Drilling Capacity for Steel.....	1-1/4 in.
Number of Vertical Spindle Speeds.....	9
Range of Vertical Spindle Speeds.....	270, 390, 550, 615, 860, 930, 1800, 1960, 2950 RPM
Number of Longitudinal Feeds.....	Variable
Feed Rate.....	0 — 140 RPM
Quill Diameter.....	3-1/2 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-Slots Width.....	0.640 in.
T-Slots Height.....	1 in.
T-Slots Centers.....	3 in.
Stud Size.....	1/2 in.

Spindle Info

Spindle Taper.....	R-8
End Milling Capacity.....	1 in.
Face Milling Capacity.....	3 in.
Drawbar Diameter.....	0.550 in.
Drawbar TPI.....	20
Drawbar Length.....	16-5/8 in.
Spindle Bearings.....	Roller and Ball

Lead Screw Info

Leadscrew Diameter.....	1 in.
Leadscrew TPI.....	5
Leadscrew Length.....	37 in.

Construction

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

Other

Collar Graduations.....	0.001 in.
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Other Specifications:

Country Of Origin China
Warranty 1 Year
Serial Number Location Label on Head Casting
Assembly Time 1-1/2 hours

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