



MACHINE DATA SHEET

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

MODEL G0616 12" X 51" 3-PHASE HORIZONTAL / VERTICAL MILLING MACHINE

Product Dimensions:

Weight..... 4410 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 67-3/8 x 67-3/4 x 91-3/4 in.
Footprint (Length x Width)..... 45 x 27-1/2 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 4730 lbs.
Length x Width x Height..... 68 x 68 x 92 in.

Electrical:

Minimum Circuit Size..... 20 amp
Switch..... Rotary ON/OFF
Switch Voltage..... 220V
Cord Length..... 6 ft.
Cord Gauge..... 10 guage
Plug Included..... No
Recommended Phase Converter..... G5845

Motors:

Vertical Spindle

Type..... TEFC Induction
Horsepower..... 3 HP
Voltage..... 220V
Prewired..... 220V
Phase..... Three
Amps..... 9A
Speed..... 1725 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Gear Drive
Bearings..... Shielded and Lubricated

Table Elevation

Type..... TEFC Induction
Horsepower..... 1 HP
Voltage..... 220V
Prewired..... 220V
Phase..... Three
Amps..... 4A
Speed..... 875 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Gear
Bearings..... Shielded and Lubricated

Longitudinal and Cross Feed

Type..... Asong-235
Horsepower..... 135 in./lb.
Voltage..... 110V
Prewired..... 110V
Phase..... Single
Amps..... 2A
Speed..... 0.2 36 in./min.
Cycle..... 60 Hz
Number of Speeds..... Variable
Power Transfer Gear Drive
Bearings..... Shielded and Lubricated

Horizontal Spindle

Type..... TEFC Induction
Horsepower..... 3 HP
Voltage..... 220V
Prewired..... 220V
Phase..... Three
Amps..... 9A
Speed..... 1725 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Belt and Gear Drive
Bearings..... Shielded and Lubricated

Coolant

Type..... TEFC Induction
Horsepower..... 0.12 HP
Voltage..... 220V
Prewired..... 220V
Phase..... Three
Amps..... 1A
Speed..... 12 Liters per min.
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Gear
Bearings..... Shielded and Lubricated

Main Specifications:

Operation Info

Spindle Travel.....	4-7/8 in.
Swing.....	61 in.
Longitudinal Table Travel.....	26-3/8 in.
Cross Table Travel.....	10-1/16 in.
Vertical Table Travel.....	15-3/4 in.
Knee Travel.....	15-3/4 in.
Ram Travel.....	30-5/8 in.
Ram Swivel Angle.....	360 deg.
Head Travel.....	5 in.
Head Swivel (Left-to-Right).....	Left and Right 90 deg.
Turret or Column Swivel (Left and Right).....	360 deg.
Maximum Distance Spindle to Column.....	30-5/8 in.
Maximum Distance Spindle to Table.....	22-3/4 in.
Drilling Capacity for Cast Iron.....	1-1/8 in.
Drilling Capacity for Steel.....	3/4 in.
Maximum Distance Horizontal Spindle Center to Table.....	18-1/2 in.
Number of Vertical Spindle Speeds.....	8
Range of Vertical Spindle Speeds.....	108, 192, 317, 468, 552, 828, 1356, 2400 RPM
Number of Horizontal Spindle Speeds.....	12
Range of Horizontal Spindle Speeds.....	48, 72, 96, 132, 180, 240, 324, 456, 612, 816, 1140, 1560 RPM
Number of Longitudinal Feeds.....	Variable
Feed Rate.....	0.2 - 36 in./min.
Quill Diameter.....	3.540 in.
Quill Feed Rates.....	0.003, 0.006, 0.010 in.

Table Info

Table Length.....	51-5/8 in.
Table Width.....	12-5/8 in.
Table Thickness.....	4-3/4 in.
Table Weight Capacity.....	440 lbs.
Number of T-Slots.....	3
T-Slots Width.....	5/8 in.
T-Slots Height.....	5/8 in.
T-Slots Centers.....	2-1/2 in.
Stud Size.....	1/2 in.

Spindle Info

Spindle Taper.....	R-8
End Milling Capacity.....	1 in.
Face Milling Capacity.....	3-1/8 in.
Drawbar Diameter.....	3/8 in.
Drawbar TPI.....	20
Drawbar Length.....	19-5/8 in.
Spindle Bearings.....	Taper Roller
Horizontal Spindle Taper.....	R-8
Horizontal Spindle Sizes.....	1, 1-1/4 in.
Horizontal Spindle Bearing Type.....	Taper Roller

Lead Screw Info

Leadscrew Diameter.....	1.115 in.
Leadscrew TPI.....	5
Leadscrew Length.....	62 in.

Construction

Spindle Housing/Quill.....	Cast Iron
Table.....	Ground Cast Iron
Head.....	Cast Iron
Column.....	Cast Iron
Base.....	Cast Iron
Paint.....	Powder Coat

Other

Collar Graduations.....	0.200 in. per rev.
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Other Specifications:

Country Of Origin	China
Warranty	1 Year
Serial Number Location	ID Label on Head Casting
Assembly Time	30 min.

Features:

- Centralized Control Panel
- Auxillary Forwar/Reverse/Stop for Vertical Spindles
- Job Button for Horizontal Spindle
- 3-Axis Powerfeed Including Knee
- Adjustable Limit Switches for All 3 Axis
- Power Down Feed on Quill with 3 Feed Rates
- Quill Auto-Stop and Return
- Power Tapping Feature with Auto-Reverse

Accessories Included:

- 1 in. Horizontal Arbor with Spacers
- 1-1/4 in. Horizontal Arbor with Spacers
- 5/8 in. Drill Chuck with Arbor
- 6 in. Machine Vise
- R-8 to MT#2 Adapter Sleeve
- R-8 to MT#3 Adapter Sleeve
- Set of 13 R-8 Collets, 1/8 - 7/8" by 1/16"
- Two Draw Bars
- Wrenches