



# MACHINE DATA SHEET

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

## MODEL G0617 13" X 59" 3-PHASE VERTICAL MILL.

### Product Dimensions:

Weight..... 4740 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 88-1/2 x 61 x 92-1/8 in.  
Footprint (Length x Width)..... 39-3/8 x 23-5/8 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 4012 lbs.  
Length x Width x Height..... 68 x 68 x 82 in.  
Must Ship Upright..... Yes

### Electrical:

Power Requirement..... 220V or 440V, 3-Phase, 60 Hz  
Prewired Voltage..... 220V  
Full-Load Current Rating..... 16A at 220V, 8.5A at 440V  
Minimum Circuit Size..... 20A at 220V, 15A at 440V  
Connection Type..... Cord & Plug  
Power Cord Included..... Yes  
Power Cord Length..... 6 ft.  
Power Cord Gauge..... 10 AWG  
Plug Included..... No  
Switch Type..... Rotary ON/OFF  
Recommended Phase Converter..... G5845

### Motors:

#### Main

Horsepower..... 5 HP  
Phase..... 3-Phase  
Amps..... 12/7A  
Speed..... 1725 RPM  
Type..... TEFC Induction  
Power Transfer ..... Gear Drive  
Bearings..... Shielded & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... N/A

#### Feed

Horsepower..... 450 in./lb.  
Phase..... Single-Phase  
Amps..... 1A  
Type..... Universal  
Power Transfer ..... Gear Drive  
Bearings..... Shielded & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... N/A

**Coolant Pump**

Horsepower.....	1/8 HP
Phase.....	3-Phase
Amps.....	1.0A/0.5A
Type.....	TEFC Induction
Power Transfer .....	Direct Drive
Bearings.....	Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type.....	N/A

**Table Elevation**

Horsepower.....	1/2 HP
Phase.....	3-Phase
Amps.....	2A/1A
Speed.....	1725 RPM
Type.....	TEFC Induction
Power Transfer .....	Gear Drive
Bearings.....	Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type.....	N/A

**Main Specifications:**

**Operation Info**

Spindle Travel.....	4-7/8 in.
Max Distance Spindle to Column.....	29-7/8 in.
Max Distance Spindle to Table.....	21-5/8 in.
Longitudinal Table Travel (X-Axis).....	39-3/8 in.
Cross Table Travel (Y-Axis).....	14-1/2 in.
Vertical Table Travel (Z-Axis).....	19-5/8 in.
Vertical Head Travel (Z-Axis).....	5 in.
Ram Travel.....	23-5/8 in.
Turret or Column Swivel (Left/Right).....	360 deg.
Head Tilt (Left/Right).....	90 deg.
Head Tilt (Front/Back).....	45 deg.
Drilling Capacity for Cast Iron.....	3/4 in.
Drilling Capacity for Steel.....	1/2 in.
End Milling Capacity.....	3/4 in.
Face Milling Capacity.....	3-1/8 in.

**Table Info**

Table Length.....	59 in.
Table Width.....	13 in.
Table Thickness.....	3-3/4 in.
Table Weight Capacity.....	880 lbs.
Number of T-Slots.....	3
T-Slot Size.....	5/8 in.
T-Slots Centers.....	2-1/2 in.
Number of Longitudinal Feeds.....	Variable
X-Axis Table Power Feed Rate.....	0.2 – 3 FPM
X/Y-Axis Travel per Handwheel Revolution.....	0.200 in.
Z-Axis Travel per Handwheel Revolution.....	0.100 in.

**Spindle Info**

Spindle Taper.....	NT#40
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	60 – 3750 RPM
Quill Diameter.....	3.938 in.
Quill Feed Rates.....	0.0015, 0.003, 0.008 in./rev.
Drawbar Thread Size.....	5/8
Drawbar Length.....	23-3/4 in.
Spindle Bearings.....	Ball Bearings

**Construction**

Spindle Housing/Quill..... Cast Iron  
Table..... 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  
Serial Number Location ..... ID Label on Head Casting  
ISO 9001 Factory ..... No  
Certified by a Nationally Recognized Testing Laboratory (NRTL) ..... No

**Features:**

Centralized Control Panel  
3-Axis Power Feed Including Knee  
Adjustable Limit Switches for All 3 Axis  
Power Down Feed on Quill with 3 Feed Rates  
Quill Auto-Stop and Return  
Head Tilts Left, Right Forward and Back  
Extension Trays on Both Ends of Table