



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..... 81 x 117 x 86 in.

Electrical:

Minimum Circuit Size..... 20 amp at 220V and 15 amp at 440V
Switch..... Rotary ON/OFF
Switch Voltage..... 220/440V
Cord Length..... 6 ft.
Cord Gauge..... 10 guage
Plug Included..... No
Recommended Phase Converter..... G5845

Motors:

Table Elevation

Type..... TEFC Induction
Horsepower..... 1/2 HP
Voltage..... 220/440V
Prewired..... 220V
Phase..... Three
Amps..... 2/1A
Speed..... 1725 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Gear
Bearings..... Shielded and Lubricated

Main

Type..... TEFC Induction
Horsepower..... 5 HP
Voltage..... 220/440V
Prewired..... 220V
Phase..... Three
Amps..... 12/7A
Speed..... 1725 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Gear Drive
Bearings..... Shielded and Lubricated

Longitudinal and Cross Feed

Type.....	ALSGS AL-510S
Horsepower.....	450 in./lb.
Voltage.....	110V
Phase.....	Single
Amps.....	1A
Cycle.....	60 Hz
Number of Speeds.....	Variable
Power Transfer	Gear Drive
Bearings.....	Shielded and Lubricated

Coolant

Type.....	TEFC Induction
Horsepower.....	1/8 HP
Voltage.....	220/440V
Prewired.....	220V
Phase.....	Three
Amps.....	1/0.5A
Cycle.....	60 Hz
Number of Speeds.....	1
Power Transfer	Direct Drive
Bearings.....	Shielded and Lubricated

Main Specifications:

Operation Info

Spindle Travel.....	4-7/8 in.
Swing.....	60 in.
Longitudinal Table Travel.....	39-3/8 in.
Cross Table Travel.....	14-1/2 in.
Vertical Table Travel.....	19-5/8 in.
Knee Travel.....	19-11/16 in.
Ram Travel.....	23-5/8 in.
Ram Swivel Angle.....	360 deg.
Head Travel.....	5 in.
Head Tilt (Left-to-Right).....	Left & Right 90 deg.
Head Tilt (Front-to-Back).....	Front & Back 45 deg.
Turret or Column Swivel (Left and Right).....	360 deg.
Maximum Distance Spindle to Column.....	29-7/8 in.
Maximum Distance Spindle to Table.....	21-5/8 in.
Drilling Capacity for Cast Iron.....	3/4 in.
Drilling Capacity for Steel.....	1/2 in.
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	60 - 3750 RPM
Number of Longitudinal Feeds.....	Variable
Feed Rate.....	0.2 - 36 in./min.
Quill Diameter.....	3.938 in.
Quill Feed Rates.....	0.0015, 0.003, 0.008 in. per rev.

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-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..... NT #40
End Milling Capacity..... 3/4 in.
Face Milling Capacity..... 3-1/8 in.
Drawbar Diameter..... 5/8 in.
Drawbar TPI..... 11
Drawbar Length..... 23-3/4 in.
Spindle Bearings..... Ball

Lead Screw Info

Leadscrew Diameter..... 1.260 in.
Leadscrew TPI..... 5
Leadscrew Length..... 55-1/2 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.

Other Specifications:

Country Of Origin China
Warranty 1 Year
Serial Number Location ID Label on Head Casting

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