



MACHINE DATA SHEET

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

MODEL G0559 LARGE MILLING MACHINE 12 X 54

Product Dimensions:

Weight..... 3300 lbs.
Length/Width/Height..... 73 x 70 x 88 in.
Foot Print (Length/Width)..... 41-1/4 x 25 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 3623 lbs.
Length/Width/Height..... 66 x 62 x 84 in.

Electrical:

Switch..... Forward/Reverse
Switch Voltage..... 220V
Minimum Circuit Size..... 20 amp
Plug Included..... No
Phase Converter..... G5845

Motors:

Main

Type..... TEFC Induction
Horsepower..... 5 HP
Voltage..... 220V
Prewired..... 220V
Phase..... Three
Amps..... 11.4A
Speed..... 1725 RPM
Cycle..... 60 Hz
Number Of Speeds..... 1
Power Transfer Variable Belt and Pulley
Bearings..... Shielded, Permanently Lubricated

Elevation

Type..... TEFC Induction
Horsepower..... 1/2 HP
Voltage..... 220V
Prewired..... 220V
Phase..... Three
Amps..... 1.5A
Cycle..... 60 Hz
Number Of Speeds..... 1
Power Transfer Direct Drive
Bearings..... Shielded, Permanently Lubricated

Main Specifications:

Operation Info

Spindle Travel.....	5 in.
Swing.....	31 in.
Longitudinal Table Travel.....	28 in.
Cross Table Travel.....	15-1/4 in.
Vert. Table Travel.....	13-1/4 in.
Knee Travel.....	15-7/8 in.
Ram Travel.....	18 in.
Head Swivel.....	Left and Right 90 deg.
Head Tilt.....	Left and Right 45 deg.
Turret Or Column Swivel.....	360 deg.
Max. Dist Spindle To Column.....	36-1/2 in.
Max. Dist Spindle To Table.....	16 in.
Drilling Cap For Cast Iron.....	1-3/4 in.
Drilling Cap For Steel.....	1-3/4 in.
No. Of Vert. Spindle Speeds.....	Variable
Range Of Vert. Spindle Speeds.....	90 - 3800 RPM
No. Of Longitudinal Feeds.....	Variable
Feed Rate.....	0 - 140 RPM
Quill Dia.....	3.935 in.
Quill Feed Rates.....	0.0015, 0.003, 0.006 in.

Table Info

Table Length.....	54 in.
Table Width.....	12 in.
Table Thickness.....	4 in.
No. Of T Slots.....	3
T Slots Width.....	5/8 in.
T Slots Height.....	1.270 in.
T Slots Centers.....	2-1/2 in.
Stud Size.....	1/2 in.

Spindle Info

Spindle Taper.....	NT #40
End Milling Cap.....	1-1/4 in.
Face Milling Cap.....	4 in.
Draw Bar Diameter.....	5/8 in.
Draw Bar TPI.....	5/8 - 11
Draw Bar Length.....	11 in.
Spindle Bearings.....	Angular Contact

Lead Screw Info

Lead Screw Diameter.....	1-1/4 in.
Lead Screw TPI.....	5
Lead Screw Length.....	65 in.

Construction

Spindle Housing Const.....	Cast Iron
Table Const.....	Precision Ground Cast Iron
Head Const.....	Cast Iron
Column Const.....	Cast Iron
Base Const.....	Cast Iron
Paint.....	Enamel

Other

Collars Calibrated.....	0.001 in.
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Other Specifications:

Country Of Origin China
Warranty 1 Year
Serial Number Location Label on Electric Box
Assembly Time 3-1/2 hours

Features:

- One Shot Pump Lubrication
- Y, Z Covers
- Auto Down Feed
- Auto Stop with Micro Adjustable Stop
- Longitudinal Power Feed
- Cross Slide Power Feed
- Knee Power Feed
- DRO for X and Y Axis
- Coated Ways on X and Y Axis
- Meehanite Casting
- Variable Speed
- Chrome Plated Precision Ground Quill
- Selectable Resolution to 1 Micrometer
- Absolute/Incremental Coordinate Display
- Radius Arc Function
- Hole Placement Along an Angled Line
- 200 User Defined Coordinates
- 200 Auxiliary Zero Points
- Circle of Holes Function
- Tool Bit Diameter Compensation
- Calculator with Trig Functions

Accessories Included:

Drawbar