



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.
 Width (side-to-side) x Depth (front-to-back) x Height..... 73 x 70 x 88 in.
 Footprint (Length x Width)..... 41-1/4 x 25 in.
 Space Required for Full Range of Movement (Width x Depth)..... 100 x 72 in.

Shipping Dimensions:

Type..... Wood Crate
 Content..... Machine
 Weight..... 3623 lbs.
 Length x Width x Height..... 66 x 62 x 84 in.
 Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz
 Prewired Voltage..... 220V
 Full-Load Current Rating..... 12.9A
 Minimum Circuit Size..... 20A
 Plug Included..... No
 Switch Type..... Forward/Reverse
 Recommended Phase Converter..... G5845

Motors:

Main

Horsepower..... 5 HP
 Phase..... 3-Phase
 Amps..... 11.4A
 Speed..... 1725 RPM
 Type..... TEFC Induction
 Power Transfer Belt Drive w/Variable-Speed Pulley
 Bearings..... Shielded & Permanently Lubricated
 Centrifugal Switch/Contacts Type..... N/A

Table Elevation

Horsepower..... 1/2 HP
 Phase..... 3-Phase
 Amps..... 1.5A
 Type..... TEFC Induction
 Power Transfer Direct Drive
 Bearings..... Shielded & Permanently Lubricated
 Centrifugal Switch/Contacts Type..... N/A

Main Specifications:

Operation Info

Spindle Travel.....	5 in.
Max Distance Spindle to Column.....	36-1/2 in.
Max Distance Spindle to Table.....	16 in.
Longitudinal Table Travel (X-Axis).....	28 in.
Cross Table Travel (Y-Axis).....	15-1/4 in.
Vertical Table Travel (Z-Axis).....	13-1/4 in.
Ram Travel.....	18 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.....	1-3/4 in.
Drilling Capacity for Steel.....	1-3/4 in.
End Milling Capacity.....	1-1/4 in.
Face Milling Capacity.....	4 in.

Table Info

Table Length.....	54 in.
Table Width.....	12 in.
Table Thickness.....	4 in.
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 – 11.67 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.....	90 – 3800 RPM
Quill Diameter.....	3.935 in.
Quill Feed Rates.....	0.0015, 0.003, 0.006 in./rev.
Drawbar Thread Size.....	5/8
Drawbar Length.....	11 in.
Spindle Bearings.....	Angular Contact Bearings

Construction

Spindle Housing/Quill.....	Cast Iron
Table.....	Precision-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
Approximate Assembly & Setup Time	3 Hours
Serial Number Location	Label on Electric Box
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

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