



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.

Shipping Dimensions:

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

Electrical:

Minimum Circuit Size..... 20 amp
Switch..... Forward/Reverse
Switch Voltage..... 220V
Plug Included..... No
Recommended 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. |
| Vertical Table Travel..... | 13-1/4 in. |
| Knee Travel..... | 15-7/8 in. |
| Ram Travel..... | 18 in. |
| Head Swivel (Left-to-Right)..... | Left and Right 90 deg. |
| Head Swivel (Front-to-Back)..... | Left and Right 45 deg. |
| Turret or Column Swivel (Left and Right)..... | 360 deg. |
| Maximum Distance Spindle to Column..... | 36-1/2 in. |
| Maximum Distance Spindle to Table..... | 16 in. |
| Drilling Capacity for Cast Iron..... | 1-3/4 in. |
| Drilling Capacity for Steel..... | 1-3/4 in. |
| Number of Vertical Spindle Speeds..... | Variable |
| Range of Vertical Spindle Speeds..... | 90 - 3800 RPM |
| Number of Longitudinal Feeds..... | Variable |
| Feed Rate..... | 0 - 140 RPM |
| Quill Diameter..... | 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. |
| Number 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 Capacity..... | 1-1/4 in. |
| Face Milling Capacity..... | 4 in. |
| Drawbar Diameter..... | 5/8 in. |
| Drawbar TPI..... | 5/8 - 11 |
| Drawbar Length..... | 11 in. |
| Spindle Bearings..... | Angular Contact |

Lead Screw Info

| | |
|-------------------------|-----------|
| Leadscrew Diameter..... | 1-1/4 in. |
| Leadscrew TPI..... | 5 |
| Leadscrew Length..... | 65 in. |

Construction

| | |
|----------------------------|----------------------------|
| Spindle Housing/Quill..... | Cast Iron |
| Table..... | Precision Ground Cast Iron |
| Head..... | Cast Iron |
| Column..... | Cast Iron |
| Base..... | Cast Iron |
| Paint..... | Enamel |

Other

| | |
|-------------------------|-----------|
| Collar Graduations..... | 0.001 in. |
|-------------------------|-----------|

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