



MACHINE DATA SHEET

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

MODEL G8689 4" X 16" MINI MILLING MACHINE

Product Dimensions:

Weight..... 101 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 20 x 20 x 30-1/4 in.
 Footprint (Length x Width)..... 12-1/2 x 8-1/2 in.
 Space Required for Full Range of Movement (Width x Depth)..... 20 x 20 in.

Shipping Dimensions:

Type..... Wood Crate
 Content..... Machine
 Weight..... 149 lbs.
 Length x Width x Height..... 20 x 21 x 30 in.
 Must Ship Upright..... Yes

Electrical:

Power Requirement..... 110V, Single-Phase, 60 Hz
 Prewired Voltage..... 110V
 Full-Load Current Rating..... 4.5A
 Minimum Circuit Size..... 15A
 Connection Type..... Cord & Plug
 Power Cord Included..... Yes
 Power Cord Length..... 6 ft.
 Power Cord Gauge..... 18 AWG
 Plug Included..... Yes
 Included Plug Type..... 5-15
 Switch Type..... ON/OFF Push Button Switch w/Safety Cover

Motors:

Main

Horsepower..... 350W
 Phase..... Single-Phase
 Amps..... 4.5A
 Speed..... 6000 RPM
 Type..... Universal
 Power Transfer Gear Drive
 Bearings..... Shielded & Permanently Lubricated
 Centrifugal Switch/Contacts Type..... N/A

Main Specifications:

Operation Info

Max Distance Spindle to Column..... 6-3/8 in.
 Max Distance Spindle to Table..... 11-1/2 in.
 Longitudinal Table Travel (X-Axis)..... 7-5/16 in.
 Cross Table Travel (Y-Axis)..... 4 in.
 Vertical Head Travel (Z-Axis)..... 7-1/2 in.
 Head Tilt (Left/Right)..... 45 deg.
 Drilling Capacity for Cast Iron..... 1/2 in.
 Drilling Capacity for Steel..... 1/2 in.
 End Milling Capacity..... 1/2 in.
 Face Milling Capacity..... 1 in.

Table Info

| | |
|---|------------|
| Table Length..... | 15-3/4 in. |
| Table Width..... | 3-5/8 in. |
| Table Thickness..... | 1-1/4 in. |
| Number of T-Slots..... | 3 |
| T-Slot Size..... | 7/16 in. |
| T-Slots Centers..... | 1-1/8 in. |
| X/Y-Axis Travel per Handwheel Revolution..... | 0.062 in. |

Spindle Info

| | |
|--|---------------|
| Spindle Taper..... | MT#3 |
| Number of Vertical Spindle Speeds..... | Variable |
| Range of Vertical Spindle Speeds..... | 0 – 2500 RPM |
| Quill Diameter..... | 1.580 in. |
| Drawbar Thread Size..... | M12-1.75 |
| Drawbar Length..... | 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 |
| Approximate Assembly & Setup Time | 30 Minutes |
| ISO 9001 Factory | Yes |
| Certified by a Nationally Recognized Testing Laboratory (NRTL) | No |

Features:

- Two Speed Ranges on Geared Drive
- Spring Head Return
- Safety Shutoff Switch
- Adjustable Depth Stop
- Fine Feed Head Control
- Clear Guard on Spindle
- Rubber Chip Guards on Ways
- Zero Setting Dials
- Dials Read in Inches
- Adjustable Dovetailed Ways on Column

Accessories Included:

- 1/2" Drill Chuck
- 2 T-Nuts
- 3/8" and 1/2" Collets