



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