



MACHINE DATA SHEET

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

MODEL G1005Z MILL/DRILL MILLING MACHINE #25

Product Dimensions:

Weight..... 374 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 36-1/2 x 34-1/2 x 40 in.
 Footprint (Length x Width)..... 20-1/2 x 13 in.
 Space Required for Full Range of Movement (Width x Depth)..... 48-3/4 x 34-1/2 in.

Shipping Dimensions:

Type..... Wood Crate
 Content..... Machine
 Weight..... 435 lbs.
 Length x Width x Height..... 28 x 29 x 41 in.
 Must Ship Upright..... Yes

Electrical:

Power Requirement..... 110V or 220V, Single-Phase, 60 Hz
 Prewired Voltage..... 110V
 Full-Load Current Rating..... 12A at 110V, 6A at 220V
 Minimum Circuit Size..... 15A at 110V, 15A at 220V
 Connection Type..... Cord & Plug
 Power Cord Included..... Yes
 Power Cord Length..... 6 ft.
 Power Cord Gauge..... 14 AWG
 Plug Included..... Yes
 Included Plug Type..... 5-15 for 110V
 Recommended Plug Type..... 6-15 for 220V
 Switch Type..... Push Button

Motors:

Main

Horsepower..... 1 HP
 Phase..... Single-Phase
 Amps..... 12A/6A
 Speed..... 1725 RPM
 Type..... TEFC Capacitor-Start Induction
 Power Transfer Belt Drive
 Bearings..... Shielded & Permanently Lubricated
 Centrifugal Switch/Contacts Type..... External

Main Specifications:

Operation Info

Spindle Travel..... 3-5/8 in.
 Max Distance Spindle to Column..... 8 in.
 Max Distance Spindle to Table..... 14-3/8 in.
 Longitudinal Table Travel (X-Axis)..... 15 in.
 Cross Table Travel (Y-Axis)..... 5-1/2 in.
 Drilling Capacity for Cast Iron..... 1 in.
 Drilling Capacity for Steel..... 1 in.
 End Milling Capacity..... 1/2 in.
 Face Milling Capacity..... 3 in.

Table Info

Table Length.....	23 in.
Table Width.....	7-1/2 in.
Table Thickness.....	1-3/4 in.
Number of T-Slots.....	4
T-Slot Size.....	1/2 in.
T-Slots Centers.....	1-1/2 in.
X/Y-Axis Travel per Handwheel Revolution.....	0.100 in.

Spindle Info

Spindle Taper.....	R-8
Number of Vertical Spindle Speeds.....	12
Range of Vertical Spindle Speeds.....	110 – 2580 RPM
Quill Diameter.....	2.440 in.
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	13-1/2 in.
Spindle Bearings.....	Tapered Roller Bearings

Construction

Spindle Housing/Quill.....	Cast Iron
Table.....	Ground Cast Iron
Head.....	Cast Iron
Column/Base.....	Ground Cast Iron
Base.....	Cast Iron
Paint Type/Finish.....	Enamel

Other

Optional Stand.....	G5943
Recommended Mobile Base.....	D2057A

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	30 Minutes
Serial Number Location	ID Label on Head Casting
Sound Rating	80 dB
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features:

- Head Swivels 360 deg.
- Front Mounted On/Off Switch with Thermal Overload Protection
- Excellent Speed Range
- Extremely Quiet Machine
- Easy Clutch-Type Mechanism for Engaging Fine Down-Feed
- Positive Quill Lock
- Adjustable Gibs on Table and Saddle
- Adjustable Stops on Table
- Spindle Supported by Heavy-Duty, Tapered Roller Bearings
- Graduations in Inches

Accessories Included:

- 1/2" Drill Chuck and key
- 2-1/2" Carbide-Tipped Face Mill and R-8 Arbor
- 3-1/2" Angle Drill Vise