



MACHINE DATA SHEET

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

MODEL G4027 VERTICAL MILL (2 HP, 1 PH., 9" X 42" TABLE)

Product Dimensions:

Weight..... 2080 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 58 x 55 x 84 in.
Footprint (Length x Width)..... 36 x 24 in.

Shipping Dimensions:

Type..... Wood Slat Crate
Content..... Machine
Weight..... 2159 lbs.
Length x Width x Height..... 0 x 0 x 0 in.

Electrical:

Power Requirement..... 110V or 220V, Single-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 28A at 110V, 14A at 220V
Minimum Circuit Size..... 40A at 110V, 20A at 220V
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 5 ft.
Power Cord Gauge..... 12 AWG
Plug Included..... No
Switch Type..... Forward/Reverse Switch

Motors:

Main

Horsepower..... 2 HP
Phase..... Single-Phase
Amps..... 28A/14A
Speed..... 1720 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer V-Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... External

Main Specifications:

Operation Info

Spindle Travel.....	5 in.
Max Distance Spindle to Column.....	19-1/2 in.
Max Distance Spindle to Table.....	17-1/2 in.
Longitudinal Table Travel (X-Axis).....	26 in.
Cross Table Travel (Y-Axis).....	12-1/2 in.
Vertical Table Travel (Z-Axis).....	15 in.
Vertical Head Travel (Z-Axis).....	5 in.
Ram Travel.....	10-1/4 in.
Turret or Column Swivel (Left/Right).....	90 deg.
Head Tilt (Left/Right).....	90 deg.
Head Tilt (Front/Back).....	45 deg.
Drilling Capacity for Cast Iron.....	1-1/4 in.
Drilling Capacity for Steel.....	1 in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	3 in.

Table Info

Table Length.....	42 in.
Table Width.....	9 in.
Table Thickness.....	2-7/8 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.....	R8
Number of Vertical Spindle Speeds.....	8
Range of Vertical Spindle Speeds.....	80 – 2720 RPM
Quill Diameter.....	3-3/8 in.
Quill Feed Rates.....	0.0015, 0.003, 0.006 in./rev.
Drawbar Thread Size.....	7/16
Drawbar Length.....	18-1/2 in.
Spindle Bearings.....	Tapered Roller 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	Taiwan
Warranty	1 Year
Approximate Assembly & Setup Time	2-1/2 Hours
Serial Number Location	ID Label on Head Casting
ISO 9001 Factory	Yes
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
- Hardened and Ground Table Surface
- Chrome-Plated Precision-Ground Quill
- Adjustable Micrometer Quill Depth Stop
- Meehanite Cast Iron
- Multiple Saddle, Knee, Table and Ram Locks for High Rigidity
- Table and Cross Feed Lead Screw has Double Nuts to Minimize Backlash
- Hardened and Ground Column and Knee Slideways
- Heavy-Duty Saddle Supports Full Width of Table

Accessories Included:

- Drawbar
- Tool Box
- Way Chip Protectors