



MACHINE DATA SHEET

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

MODEL G3102 VERTICAL MILL

Product Dimensions:

Weight..... 800 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 45-1/2 x 41 x 66-5/8 in.
Footprint (Length x Width)..... 27-1/2 x 21 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 904 lbs.
Length x Width x Height..... 37 x 41 x 76 in.

Electrical:

Minimum Circuit Size..... 20 Amp
Switch..... Forward/Reverse Barrel
Switch Voltage..... 110V
Cord Length..... 6 ft.
Cord Gauge..... 14 gauge
Plug Included..... Yes

Motors:

Main

Type..... TEFC Capacitor Start Induction
Horsepower..... 1-1/2 HP
Voltage..... 110/220V
Prewired..... 110V
Phase..... Single
Amps..... 16/8A
Speed..... 1720 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer V-Belt Drive
Bearings..... Shielded, Permanently Lubricated

Main Specifications:

Operation Info

| | |
|---|--|
| Spindle Travel..... | 3 in. |
| Swing..... | 11 in. |
| Longitudinal Table Travel..... | 15-5/8 in. |
| Cross Table Travel..... | 6 in. |
| Vertical Table Travel..... | 14 in. |
| Knee Travel..... | 13-1/2 in. |
| Ram Swivel Angle..... | Left and Right 45 deg. |
| Head Travel..... | 2-1/2 in. |
| Head Swivel (Left-to-Right)..... | 90 deg. |
| Head Swivel (Front-to-Back)..... | Left and Right 45 deg. |
| Turret or Column Swivel (Left and Right)..... | 45 deg. |
| Maximum Distance Spindle to Column..... | 5-1/2 in. |
| Maximum Distance Spindle to Table..... | 12-1/2 in. |
| Drilling Capacity for Cast Iron..... | 1 in. |
| Drilling Capacity for Steel..... | 3/4 in. |
| Number of Vertical Spindle Speeds..... | 9 |
| Range of Vertical Spindle Speeds..... | 240, 360, 520, 730, 1280, 1320, 1600, 2220, 2760 RPM |
| Quill Diameter..... | 2.950 in. |

Table Info

| | |
|------------------------|------------|
| Table Length..... | 26 in. |
| Table Width..... | 6-1/8 in. |
| Table Thickness..... | 1-3/4 in. |
| Number of T-Slots..... | 3 |
| T-Slots Width..... | 0.560 in. |
| T-Slots Height..... | 5/8 in. |
| T-Slots Centers..... | 1-9/16 in. |
| Stud Size..... | 3/8 in. |

Spindle Info

| | |
|----------------------------|----------------|
| Spindle Taper..... | R-8 |
| End Milling Capacity..... | 3/4 in. |
| Face Milling Capacity..... | 3 in. |
| Drawbar Diameter..... | 7/16 in. |
| Drawbar TPI..... | 7/16 - 20 |
| Drawbar Length..... | 12-1/4 in. |
| Spindle Bearings..... | Tapered Roller |

Lead Screw Info

| | |
|-------------------------|-----------|
| Leadscrew Diameter..... | 15/16 in. |
| Leadscrew TPI..... | 8 |
| Leadscrew Length..... | 31 in. |

Construction

| | |
|----------------------------|--------------------------|
| Spindle Housing/Quill..... | Cast Iron |
| Table..... | Surface Ground Cast Iron |
| Head..... | Cast Iron |
| Column..... | Cast Iron |
| Base..... | Cast Iron |
| Stand..... | Steel |
| Paint..... | Epoxy |

Other

| | |
|------------------------------|-----------|
| Collar Graduations..... | 0.001 in. |
| Recommended Mobile Base..... | G7315Z |

Other Specifications:

Country Of Origin China
Warranty 1 Year
Assembly Time 1 hour

Features:

High Precision Ground Vertical and Cross Ways
Milling Head Micro-Feed
Lower Noise and Convenient Operation
Built-In Work Light

Accessories Included:

Arbor
Drawbar
End Mill
Inner Hexagon Spanner
Oil Gun
Tool Box
Two Head Wrench