



# MACHINE DATA SHEET

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

## MODEL G9903 9" X 49" VERTICAL MILL W/ POWER FEED, 3-PHASE VS

### Product Dimensions:

Weight..... 2400 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 66 x 67 x 85 in.  
Footprint (Length x Width)..... 36 x 24 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 2468 lbs.  
Length x Width x Height..... 55 x 50 x 78 in.

### Electrical:

Power Requirement..... 220V/440V, 3-Phase, 60 Hz  
Prewired Voltage..... 220V  
Full-Load Current Rating..... 6.2A at 220V, 3.1A at 440V  
Minimum Circuit Size..... 15A  
Switch..... Forward/Reverse  
Switch Voltage..... 220V  
Cord Length..... 6 ft.  
Cord Gauge..... 14 gauge  
Plug Included..... No  
Recommended Plug/Outlet Type..... NEMA 15-15 for 220V, Hardwire for 440V  
Recommended Phase Converter..... G5841

### Motors:

#### Main

Type..... TEFC Induction  
Horsepower..... 2 HP  
Voltage..... 220V/440V  
Prewired..... 220V  
Phase..... Three  
Amps..... 6.2A at 220V, 3.1A at 440V  
Speed..... 1725 RPM  
Cycle..... 60 Hz  
Number of Speeds..... 1  
Power Transfer ..... Variable Speed Belt Drive  
Bearings..... Shielded, Permanently Lubricated

**Main Specifications:**

**Operation Info**

|   |                            |
|---|----------------------------|
| Spindle Travel.....                           | 5 in.                      |
| Swing.....                                    | 40 in.                     |
| Longitudinal Table Travel.....                | 27 in.                     |
| Cross Table Travel.....                       | 12-1/2 in.                 |
| Knee Travel.....                              | 16 in.                     |
| Ram Travel.....                               | 12 in.                     |
| Ram Swivel Angle.....                         | 360 deg.                   |
| Head Travel.....                              | 5 in.                      |
| Head Tilt (Left-to-Right).....                | Left and Right 90 deg.     |
| Head Tilt (Front-to-Back).....                | Left and Right 45 deg.     |
| Turret or Column Swivel (Left and Right)..... | 360 deg.                   |
| Maximum Distance Spindle to Column.....       | 20 in.                     |
| Maximum Distance Spindle to Table.....        | 18 in.                     |
| Drilling Capacity for Cast Iron.....          | 1-1/4 in.                  |
| Drilling Capacity for Steel.....              | 1 in.                      |
| Number of Vertical Spindle Speeds.....        | Variable                   |
| Range of Vertical Spindle Speeds.....         | 70 - 4200 RPM              |
| Number of Longitudinal Feeds.....             | Variable                   |
| Feed Rate.....                                | 0 - 140 RPM                |
| Quill Diameter.....                           | 3-3/8 in.                  |
| Quill Feed Rates.....                         | 0.0019, 0.0035, 0.0058 in. |

**Table Info**

|                        |           |
|------------------------|-----------|
| Table Length.....      | 49 in.    |
| Table Width.....       | 9 in.     |
| Table Thickness.....   | 2-3/4 in. |
| Number of T-Slots..... | 3         |
| T-Slots Width.....     | 5/8 in.   |
| T-Slots Height.....    | 7/8 in.   |
| T-Slots Centers.....   | 2-1/2 in. |
| Stud Size.....         | 1/2 in.   |

**Spindle Info**

|                            |             |
|----------------------------|-------------|
| Spindle Taper.....         | R-8         |
| Spindle Size.....          | 5/8 in.     |
| End Milling Capacity.....  | 1 in.       |
| Face Milling Capacity..... | 3 in.       |
| Drawbar Diameter.....      | 7/16 in.    |
| Drawbar TPI.....           | 20          |
| Drawbar Length.....        | 18 in.      |
| Spindle Bearings.....      | Radial Ball |

**Lead Screw Info**

|                         |           |
|-------------------------|-----------|
| Leadscrew Diameter..... | 1-1/4 in. |
| Leadscrew TPI.....      | 5         |
| Leadscrew Length.....   | 55 in.    |

**Construction**

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

**Other**

|                         |           |
|-------------------------|-----------|
| Collar Graduations..... | 0.001 in. |
|-------------------------|-----------|

**Other Specifications:**

Country Of Origin ..... China  
Warranty ..... 1 Year  
Serial Number Location ..... Front of Knee  
Assembly Time ..... 1-1/2 hours

**Features:**

- One Shot Pump Lubrication
- 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