



# MACHINE DATA SHEET

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

## MODEL G0498 9" X 49" 3-AXIS CNC MILLING MACHINE

### Product Dimensions:

Weight..... 2376 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 56-1/2 x 60-1/2 x 87-1/2 in.  
Footprint (Length x Width)..... 37 x 24 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 2846 lbs.  
Length x Width x Height..... 62-1/2 x 66-1/2 x 99 in.

### Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz  
Minimum Circuit Size..... 15A  
Switch..... Toggle On/Off Magnetic  
Switch Voltage..... 220  
Plug Included..... No

### Motors:

#### Main

Type..... TEFC Capacitor Start Induction  
Horsepower..... 3  
Voltage..... 220  
Prewired..... Variable, Numeric Co  
Phase..... Three  
Amps..... 7.6  
Speed..... 1755  
Cycle..... 60  
Number of Speeds..... 220  
Power Transfer ..... V-Belt Drive  
Bearings..... Shielded and Lubricated

**Main Specifications:**

**Operation Info**

Spindle Travel.....	5 in.
Swing.....	20.5 in.
Longitudinal Table Travel.....	29.12 in.
Cross Table Travel.....	12.20 in.
Vertical Table Travel.....	14-1/2 in.
Knee Travel.....	14-1/2 in.
Ram Travel.....	18 in.
Ram Swivel Angle.....	45 deg.
Head Tilt (Left-to-Right).....	90 deg.
Maximum Distance Spindle to Table.....	18 in.
Drilling Capacity for Cast Iron.....	1.25 in.
Drilling Capacity for Steel.....	7/8 in.
Number of Vertical Spindle Speeds.....	Numeric Control
Range of Vertical Spindle Speeds.....	50-5000 RPM
Number of Longitudinal Feeds.....	Numeric Control
Feed Rate.....	276 in./min.
Quill Diameter.....	3.35 in.
Quill Feed Rates.....	276 in./min.

**Table Info**

Table Length.....	49 in.
Table Width.....	9 in.
Table Thickness.....	1.73 in.
Number of T-Slots.....	3
T-Slots Width.....	16 mm
T-Slots Height.....	1.06 in.
T-Slots Centers.....	2.5 in.
Stud Size.....	1/2 in.

**Spindle Info**

Spindle Taper.....	NT30
Spindle Size.....	2.67 OD in.
Spindle Sleeve Diameter.....	3.33 OD in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	5 in.
Drawbar Diameter.....	19 mm
Drawbar TPI.....	1/2-13
Drawbar Length.....	25.1 mm
Spindle Bearings.....	Angular Contact Bearings

**Lead Screw Info**

Leadscrew Diameter.....	X & Y 25, Z 20 mm
Leadscrew TPI.....	5
Leadscrew Length.....	X60.5, Y25, Z12.3 in.

**Construction**

Spindle Housing/Quill.....	Steel
Table.....	Precision Ground Cast Iron
Head.....	Meehanite Casting
Column.....	Meehanite Casting
Base.....	Meehanite Casting
Paint.....	Urethane

**Other Specifications:**

Country Of Origin ..... Taiwan  
Warranty ..... 1 Year  
Serial Number Location ..... Data Label on Headstock  
Assembly Time ..... 45 min.

**Features:**

CNC Controller: Centroid M400s Complete  
Precision Ball Screws, C5 Class, Double Nuts for X & Y Axis, Single Nut for Z Axis  
Solid State Hard Drive, Floppy Drive, RS-232, USB and Ethernet Connections  
Operators Console 15" Display with Push Button Control Functions  
DC310, 3-Axis DC Servo Amplifier with integrated PLC for Control of Coolant, Lubrication and Spindle  
Servo Motors, Three 29 in./lb. DC with Encoder and Direct-Wired Motor Cables  
Software: Conversational, Cutter Radius Compensation, Drilling Cycles, Multi Range Spindle, G-Code Backplot  
Automatic Lubrication  
Chrome Plated Precision Ground Quill  
Turcite for X & Y-Axis, Meehanite Castings  
Multiple Knee, Table and Ram Locks for High Rigidity  
Hardened and Ground Column and Knee Ways  
Table Surface Hardened and Ground  
Work Lamp, Coolant System, Way Chip Protectors, Drawbar, Toolbox & Standard Accessories