



MACHINE DATA SHEET

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

MODEL G0499 10" X 54" 3-AXIS CNC MILLING MACHINE

Product Dimensions:

Weight..... 2882 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 58 x 65-1/2 x 87-1/2 in.
 Footprint (Length x Width)..... 39 x 24 in.

Shipping Dimensions:

Type..... Wood Crate
 Content..... Machine
 Weight..... 3332 lbs.
 Length x Width x Height..... 66 x 74 x 98 in.
 Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz
 Prewired Voltage..... 220V
 Full-Load Current Rating..... 7.6A
 Minimum Circuit Size..... 15A
 Connection Type..... Cord & Plug
 Power Cord Included..... No
 Plug Included..... No
 Recommended Plug Type..... 15-15
 Switch Type..... Toggle On/Off Magnetic

Motors:

Main

Horsepower..... 3 HP
 Phase..... 3-Phase
 Amps..... 7.6A
 Speed..... 1755 RPM
 Type..... TEFC Induction
 Power Transfer V-Belt Drive
 Bearings..... Shielded & Permanently Lubricated
 Centrifugal Switch/Contacts Type..... N/A

Main Specifications:

Operation Info

Spindle Travel..... 6 in.
 Max Distance Spindle to Table..... 16-1/2 in.
 Longitudinal Table Travel (X-Axis)..... 31-7/8 in.
 Cross Table Travel (Y-Axis)..... 15.15 in.
 Vertical Table Travel (Z-Axis)..... 14 in.
 Ram Travel..... 18 in.
 Head Tilt (Left/Right)..... 90 deg.
 Drilling Capacity for Cast Iron..... 1-1/4 in.
 Drilling Capacity for Steel..... 7/8 in.
 End Milling Capacity..... 1 in.
 Face Milling Capacity..... 5 in.

Table Info

Table Length.....	54 in.
Table Width.....	10 in.
Table Thickness.....	2.67 in.
Number of T-Slots.....	3
T-Slot Size.....	16 mm
T-Slots Centers.....	2-1/2 in.
Number of Longitudinal Feeds.....	Variable
X-Axis Table Power Feed Rate.....	0 – 23 FPM
X/Y-Axis Travel per Handwheel Revolution.....	0.200 in.
Z-Axis Travel per Handwheel Revolution.....	0.100 in.

Spindle Info

Spindle Taper.....	NT#40
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	50 – 5000 RPM
Quill Diameter.....	4.13 in.
Quill Feed Rates.....	276 in./min.
Drawbar Thread Size.....	21
Drawbar Length.....	25.9 mm
Spindle Bearings.....	Angular Contact Bearings

Construction

Spindle Housing/Quill.....	Chrome-Plated & Precision-Ground Steel
Table.....	Precision-Ground Cast Iron
Head.....	Meehanite Cast Iron
Column/Base.....	Meehanite Cast Iron
Base.....	Cast Iron
Paint Type/Finish.....	Urethane

Other Specifications:

Country of Origin	Taiwan
Warranty	1 Year
Approximate Assembly & Setup Time	45 Minutes
Serial Number Location	ID Label on Headstock
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

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