



MACHINE DATA SHEET

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

MODEL G0797 10" X 50" 3 HP VARIABLE-SPEED VERTICAL MILL WITH POWER FEED AND DRO

Product Dimensions:

Weight..... 2470 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 100 x 85 x 88 in.
Footprint (Length x Width)..... 48 x 33 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 3021 lbs.
Length x Width x Height..... 62 x 61 x 82 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V or 440V, 3-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 6.4A at 220V, 3.2A at 440V
Minimum Circuit Size..... 15A
Connection Type..... Cord at 220V, Permanent (Hardwire) at 440V
Power Cord Included..... Yes
Power Cord Length..... 72 in.
Power Cord Gauge..... 14 AWG
Plug Included..... No
Recommended Plug Type..... 15-15 for 220V
Switch Type..... Forward/Reverse Switch

Motors:

Main

Horsepower..... 3 HP
Phase..... 3-Phase
Amps..... 6.4A/3.2A
Speed..... 1720 RPM
Type..... TEFC Induction
Power Transfer Belt
Bearings..... Shielded & Permanently Lubricated

Main Specifications:

Operation Info

Spindle Travel.....	5 in.
Max Distance Spindle to Column.....	27-1/2 in.
Max Distance Spindle to Table.....	19-1/4 in.
Longitudinal Table Travel (X-Axis).....	30 in.
Longitudinal Leadscrew (X-Axis).....	52 in.
Cross Table Travel (Y-Axis).....	14 in.
Vertical Table Travel (Z-Axis).....	15 in.
Ram Travel.....	18-1/2 in.
Turret or Column Swivel (Left /Right).....	360 deg.
Head Tilt (Left/Right).....	90 deg.
Head Tilt (Front/Back).....	45 deg.
Drilling Capacity for Cast Iron.....	1-1/2 in.
Drilling Capacity for Steel.....	1-1/4 in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	3 in.

Table Info

Table Length.....	50 in.
Table Width.....	10 in.
Table Thickness.....	4-1/8 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 – 3.41 FPM
X/Y-Axis Travel per Handwheel Revolution.....	0.200 in.
Z-Axis Travel per Handwheel Revolution.....	0.100 in.

Spindle Info

Spindle Taper.....	R-8
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	60 – 4200 RPM
Quill Diameter.....	3-5/16 in.
Quill Feed Rates.....	0.0015, 0.003, 0.006, in./rev.
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	18-1/2 in.
Spindle Bearings.....	Angular Contact Bearings

Construction

Spindle Housing/Quill.....	Cast Iron
Table.....	Cast Iron
Head.....	Cast Iron
Column/Base.....	Cast Iron
Base.....	Cast Iron
Paint Type/Finish.....	Enamel

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	90 Minutes
Serial Number Location	ID Label
ISO 9001 Factory	Yes

Features:

- 2-Axis DRO
- One-shot pump lubrication for table ways
- Auto-spindle stop with micro-adjustable stop
- Auto-spindle downfeed
- Longitudinal table power feed
- Hardened and precision-ground table surface
- Chrome-Plated Precision-Ground Quill
- Variable-spindle speed
- R-8 Spindle
- X- and Y-axis way covers
- Forward/reverse spindle rotation
- Halogen worklight
- Built-in coolant tank in base compatible with optional aftermarket coolant systems
- Service tools and toolbox