



MACHINE DATA SHEET

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

MODEL G0747 VERTICAL MILL - 16 SPEED

Product Dimensions:

Weight..... 2,249 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 54 x 66-1/2 x 84-3/4 in.
Footprint (Length x Width)..... 40 x 24 in.
Space Required for Full Range of Movement (Width x Depth)..... 95 x 56-1/2 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 2492 lbs.
Length x Width x Height..... 55 x 54 x 78 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 7.9A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 14 AWG
Plug Included..... No
Recommended Plug Type..... 15-15
Switch Type..... Forward/Reverse Switch
Recommended Phase Converter..... G5845

Motors:

Main

Type..... AEVF Induction
Horsepower..... 3 HP
Phase..... 3-Phase
Amps..... 7.8A / 7.9A
Speed..... 3450 / 1725 RPM
Power Transfer V-Belt Drive
Bearings..... Shielded & Permanently Lubricated

Main Specifications:

Operation Info

Spindle Travel.....	5 in.
Max Distance Spindle to Column.....	24-3/8 in.
Max Distance Spindle to Table.....	16-7/8 in.
Longitudinal Table Travel (X-Axis).....	29-7/8 in.
Cross Table Travel (Y-Axis).....	15-3/4 in.
Vertical Table Travel (Z-Axis).....	16 in.
Ram Travel.....	24 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.....	1-1/4 in.
Drilling Capacity for Steel.....	1 in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	3 in.

Table Info

Table Length.....	50 in.
Table Width.....	10 in.
Table Thickness.....	3-5/16 in.
Number of T-Slots.....	3
T-Slot Size.....	5/8 in.
T-Slots Centers.....	2-1/2 in.
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.....	16
Range of Vertical Spindle Speeds.....	80 – 5440 RPM
Quill Diameter.....	86 mm
Quill Feed Rates.....	0.0015, 0.003, 0.006 in./rev.
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	23-1/2 in.
Spindle Bearings.....	Angular Contact Bearings

Construction

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

Other Specifications:

Country Of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	1 Hour
Serial Number Location	ID Label on Column
ISO 9001 Factory	Yes
CSA Certified	No

Features:

- One-Shot Pump Way Lubrication
- Y- and Z-Axis Way Covers
- Auto-Downfeed with Micro-Adjustable Auto Stop
- Longitudinal Power Feed
- 16-Speed Spindle Rotation
- Chrome-Plated Precision-Ground Quill
- Meehanite Cast Iron