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	2249 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

Horsepower	3 HP
Phase	3-Phase
Amps	7.8A / 7.9A
Speed	3450 / 1725 RPM
Type	TEFC Induction
Power Transfer	V-Belt Drive
Bearings	Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type	N/A

The information contained herein is deemed accurate as of 4/16/2024 and represents our most recent product specifications. Due to our ongoing improvement efforts, this information may not accurately describe items previously purchased.

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 Type/Finish	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
Certified by a Nationally Recognized Testing Laboratory (NRTL)	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