

MACHINE SPECIFICATIONS



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MODEL M1006 VERTICAL MILL 10" X 54" W/ DIGITAL READOUT

Product Dimensions

Weight..... 3446 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 75-1/2 x 72-1/2 x 86 in.
Footprint (Length x Width)..... 42 x 24 in.

Shipping Dimensions

Type..... Wood Crate
Content..... Machine
Weight..... 3536 lbs.
Length x Width x Height..... 72 x 73 x 76 in.

Electrical

Power Requirement..... 220V, 3-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 9A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 18 AWG
Plug Included..... No
Recommended Plug Type..... 15-15
Switch Type..... Forward/Reverse

Motors

Main

Horsepower..... 3 HP
Phase..... 3-Phase
Amps..... 9A
Speed..... 1725 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.....	5 in.
Max Distance Spindle to Column.....	24-1/2 in.
Max Distance Spindle to Table.....	17 in.
Longitudinal Table Travel (X-Axis).....	33-3/4 in.
Cross Table Travel (Y-Axis).....	15-1/2 in.
Vertical Table Travel (Z-Axis).....	16-3/4 in.
Vertical Head Travel (Z-Axis).....	5 in.
Ram Travel.....	19 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.....	54 in.
Table Width.....	10 in.
Table Thickness.....	2-3/4 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 - 11.67 FPM
X/Y-Axis Travel per Handwheel Revolution.....	0.200 in.
Z-Axis Travel per Handwheel Revolution.....	0.100 in.

Spindle Info

Spindle Taper.....	R8
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	70 - 4200 RPM
Quill Diameter.....	3-3/8 in.
Quill Feed Rates.....	0.0019, 0.0035, 0.0058 in./rev.
Drawbar Thread Size.....	7/16
Drawbar Length.....	20-1/2 in.
Spindle Bearings.....	Angular Contact Bearings

Construction

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

Other

Country of Origin China
Warranty 2 Years
Approximate Assembly & Setup Time 1-1/2 Hours
Serial Number Location ID Label on Front of Knee
ISO 9001 Factory No
Certified by a Nationally Recognized Testing Laboratory (NRTL) No

Features

3-Axis Digital Readout
One-Shot Pump Lubrication
Quill Feeds/Spindle Rev: 0.0019 in., 0.0035 in., 0.0058 in.
Auto Downfeed with Micro Adjustable Stop
R-8 Spindle
Longitudinal Power Feed
Hardened & Ground Table Surface
Chrome-Plated Precision-Ground Quill