

MACHINE SPECIFICATIONS



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MODEL M1116 VARIABLE-SPEED MILL/DRILL WITH DRO

Product Dimensions

Weight..... 161 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 25-1/2 x 19-1/2 x 32-1/2 in.
Footprint (Length x Width)..... 11 x 9 in.
Space Required for Full Range of Movement (Width x Depth)..... 39 x 19-1/2 in.

Shipping Dimensions

Type..... Wood Crate
Content..... Machine
Weight..... 204 lbs.
Length x Width x Height..... 24 x 22 x 32 in.
Must Ship Upright..... Yes

Electrical

Power Requirement..... 110V, Single-Phase, 60 Hz
Full-Load Current Rating..... 8A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 16 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... ON/OFF Push Button Switch w/Safety Cover

Motors

Main

Horsepower..... 600W (3/4 HP)
Phase..... Single-Phase
Amps..... 10A
Speed..... 4500 RPM
Type..... High-Torque, Low-Noise DC
Power Transfer Gear Drive
Bearings..... Sealed & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Main Specifications

Operation Info

Spindle Travel.....	2 in.
Max Distance Spindle to Column.....	6-5/8 in.
Max Distance Spindle to Table.....	8-3/4 in.
Longitudinal Table Travel (X-Axis).....	13-1/8 in.
Cross Table Travel (Y-Axis).....	4-1/2 in.
Vertical Head Travel (Z-Axis).....	8-1/4 in.
Head Tilt (Left/Right).....	45 deg.
Drilling Capacity for Cast Iron.....	5/8 in.
Drilling Capacity for Steel.....	1/2 in.
End Milling Capacity.....	5/8 in.
Face Milling Capacity.....	2 in.

Table Info

Table Length.....	19-3/4 in.
Table Width.....	5-3/4 in.
Table Thickness.....	1-7/8 in.
Table Height (from Floor/Base).....	6 in.
Number of T-Slots.....	3
T-Slot Size.....	3/8 in.
T-Slots Centers.....	1-1/2 in.
X/Y-Axis Travel per Handwheel Revolution.....	0.1 in.
Z-Axis Travel per Handwheel Revolution.....	0.166 in.

Spindle Info

Spindle Taper.....	R-8
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	50 - 200 RPM
Quill Diameter.....	2.36 in.
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	9-7/8 in.
Spindle Bearings.....	Tapered Roller Bearings

Construction

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

Other

Country of Origin	China
Warranty	2 Years
Approximate Assembly & Setup Time	30 min.
Serial Number Location	ID Label
ISO 9001 Factory	Yes

Features

Dovetail Headstock Column and Table Ways
High-Torque, Low-Noise DC Motor
Variable-Speed Spindle w/DRO
Spindle Elevation DRO
3-Axis Precision Handwheel control
Coarse and Fine Spindle Downfeed
2-Speed Gearbox
Zero-Setting Dials on Handwheels
Hand wheel Dials Feature 0.002" Graduation

Accessories

Drill Chuck 3-16mm w/B16 Taper
Drill Chuck Arbor B16 x R8
Open-Ended Wrenches 8/10, 12/14, 17/19mm
Hex Wrenches 2.5, 3, 4, 5, 6mm
Toolbox
Optional Stand D2780