

MACHINE SPECIFICATIONS



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MODEL M1110 6" X 21" VARIABLE-SPEED MILL / DRILL

Product Dimensions

Weight..... 364 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 27 x 30 x 33-3/4 in.
Footprint (Length x Width)..... 16 x 13 in.

Shipping Dimensions

Type..... Wood Crate
Content..... Machine
Weight..... 413 lbs.
Length x Width x Height..... 32 x 31 x 40 in.

Electrical

Power Requirement..... 110V, Single-Phase, 60 Hz
Prewired Voltage..... 110V
Full-Load Current Rating..... 7A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 7 ft.
Power Cord Gauge..... 16 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... Forward/Reverse & Button Switches

Motors

Main

Horsepower..... 3/4 HP
Phase..... Single-Phase
Amps..... 7A
Speed..... 0 - 3725 RPM
Type..... Universal
Power Transfer Belt Drive
Bearings..... Sealed & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Main Specifications

Operation Info

Spindle Travel.....	85 mm
Max Distance Spindle to Column.....	8 in.
Max Distance Spindle to Table.....	14-3/4 in.
Longitudinal Table Travel (X-Axis).....	15-7/8 in.
Cross Table Travel (Y-Axis).....	5-3/4 in.
Vertical Head Travel (Z-Axis).....	14-7/8 in.
Drilling Capacity for Cast Iron.....	1 in.
Drilling Capacity for Steel.....	1 in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	2 in.

Table Info

Table Length.....	21-5/8 in.
Table Width.....	6-1/4 in.
Table Thickness.....	1-1/2 in.
Number of T-Slots.....	3
T-Slot Size.....	0.47 in.
T-Slots Centers.....	1-11/16 in.
X/Y-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.....	0 - 2000 RPM
Quill Diameter.....	60 mm
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	10-3/4 in.
Spindle Bearings.....	Ball Bearings

Construction

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

Other

Country of Origin	China
Warranty	2 Years
Approximate Assembly & Setup Time	30 Minutes
Serial Number Location	ID Label on Top of Column
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features

Variable Speed Spindle from 0-2000 RPM
Push Button Emergency Switch with Indicator Lights
Over 14" of Headstock Movement
High/Low Range All-Steel Gear Box
Reversing Switch
Coolant Trough
Circuit Fuse
Dial Speed Control
Dovetail Column
Handwheels Graduated in 0.001" (X,Y), 0.0005" (Z)

Accessories

2 T-nuts
3 Open End Combo Wrenches
4 Allen Wrenches
4 Leveling Feet
5/8" Drill Chuck with Arbor
Extra Drive Belt