

MACHINE SPECIFICATIONS



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MODEL M1111 6" X 21" DELUXE 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..... 416 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..... 12A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 7 ft.
Power Cord Gauge..... 14 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... Forward/Reverse Switch
Inverter (VFD) Type..... XMT Driver 1000

Motors

Main

Horsepower..... 1 HP
Phase..... Single-Phase
Amps..... 12A
Speed..... 3500 RPM
Type..... Brushless DC (Class F)
Power Transfer Cogged Belt Drive
Bearings..... Sealed & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Main Specifications

Operation Info

| | |
|-----------------------------------------|------------|
| Spindle Travel..... | 2-3/4 in. |
| Max Distance Spindle to Column..... | 9 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. |
| Tapping Capacity..... | 1/2 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..... | 100 - 1750 RPM |
| Quill Diameter..... | 2.362 in. |
| Drawbar Thread Size..... | 7/16-20 |

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

| | |
|------------------------|-----|
| ISO 9001 Factory | Yes |
|------------------------|-----|

Features

Leveling Feet
1/2 in. Max Tapping Capacity
3-16mm Drill Chuck with Key R-8/JT-6 Arbor
Digital RPM Readout
Digital Milling Depth Readout
Digital Tapping Controls and RPM Adjustment
Tapping Direction Quick-Shift Buttons on Quill Levers
Manual Micro Depth Adjustment
Dovetailed Table Ways
Dovetailed Column Ways