

MACHINE SPECIFICATIONS



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MODEL W1852 22" X 42" VARIABLE-SPEED WOOD LATHE

Product Dimensions

Weight..... 463 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 81 x 23 x 49-1/2 in.
Footprint (Length x Width)..... 65-1/2 x 20 in.

Shipping Dimensions

Type..... Wood Box
Content..... Machine
Weight..... 584 lbs.
Length x Width x Height..... 69 x 24 x 25 in.
Must Ship Upright..... Yes

Electrical

Power Requirement..... 240V, Single-Phase, 60 Hz
Full-Load Current Rating..... 13.5A
Minimum Circuit Size..... 20A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 12 AWG
Plug Included..... Yes
Included Plug Type..... NEMA 6-20
Switch Type..... ON/OFF Push Button Switch w/Safety Cover
Inverter (VFD) Type..... Delta VFD-MS
Inverter (VFD) Size..... 3 HP

Motors

Main

Horsepower..... 3 HP
Phase..... 3-Phase
Amps..... 8A
Speed..... 1725 RPM
Type..... TEFC Induction
Power Transfer Belt Drive
Bearings..... Sealed & Permanently Lubricated

Main Specifications

Operation Information

Swing Over Bed.....	22 in.
Swing Over Tool Rest Base.....	18 in.
Distance Between Centers.....	42 in.
Max. Distance Tool Rest to Spindle Center.....	8 in.
No of Spindle Speeds.....	Variable
Spindle Speed Range.....	100 - 3200 RPM
Floor to Center Height.....	45-1/2 in.

Spindle Information

Spindle Taper.....	MT#2
Spindle Thread Size.....	1-1/4" x 8 TPI
Spindle Thread Direction.....	Right Hand
Spindle Bore.....	3/8 in.
Type of Included Spindle Center.....	Spur
Indexed Spindle Increments.....	10 deg.
No of Indexes.....	36

Tool Rest Information

Tool Rest Width.....	14 in.
Tool Rest Post Diameter.....	1 in.
Tool Rest Post Length.....	2-1/4 in.
Tool Rest Base Height.....	2 in.

Tailstock Information

Tailstock Taper.....	MT#2
Type of Included Tailstock Center.....	Live

Construction

Bed.....	Precision-Ground Cast Iron
Frame.....	Cast Iron
Stand.....	Cast Iron
Base.....	Cast Iron
Headstock.....	Cast Iron
Tailstock.....	Cast Iron
Paint Type/Finish.....	Enamel

Other Related Information

Bed Width.....	10 in.
Faceplate Size.....	6 in.

Other

Country of Origin	China
Warranty	2 Years
Approximate Assembly & Setup Time	1 Hour
Serial Number Location	ID Label
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	Yes

Features

Low Speed Range of 100 -1200 RPM, and High-Speed Range of 330-3200 RPM
Electronic Variable-Speed Control with Digital Spindle-Speed Tachometer
Headstock Rotates 180-Deg. and Positions Anywhere Along the Bed
Variable Frequency Drive for 3-Phase Speed Control with Single-Phase Power
3-Phase Motor Allows for Superior Torque When Turning at Low Speeds
10-Deg. Spindle Indexing
Tailstock, Headstock, and Tool Rest Support Feature Lever-Action Cam Locks for Quick Positioning
Forward/Reverse Spindle Control
4-1/4" Tailstock Barrel Travel

Accessories

Spur Center
Cupped Live Center
Knock-Out Tool
Tool Rest
Faceplate 6"
Indexing Pin