

MACHINE SPECIFICATIONS



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MODEL W1866 24" X 36" BOWL TURNING LATHE

Product Dimensions

Weight..... 723 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 74-1/4 x 37 x 58 in.
Footprint (Length x Width)..... 55 x 25-1/2 in.

Shipping Dimensions

Type..... Cardboard Box on Wood Skids
Content..... Machine
Weight..... 797 lbs.
Length x Width x Height..... 58 x 31 x 30 in.
Must Ship Upright..... Yes

Electrical

Power Requirement..... 220V, Single-Phase, 60 Hz
Full-Load Current Rating..... 15.8A
Minimum Circuit Size..... 20A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 14 AWG
Plug Included..... Yes
Included Plug Type..... 6-20
Inverter (VFD) Type..... Delta VFD022E21A
Inverter (VFD) Size..... 3 HP

Motors

Main

Horsepower..... 3 HP
Phase..... 3-Phase
Amps..... 8.5
Speed..... 1720
Type..... TEFC Induction
Power Transfer Belt Drive
Bearings..... Sealed & Permanently Lubricated

Main Specifications

Operation Information

Swing Over Bed.....	24 in.
Swing Over Tool Rest Base.....	19-3/4 in.
Distance Between Centers.....	36 in.
Max. Distance Tool Rest to Spindle Center.....	15-1/2 in.
No of Spindle Speeds.....	Variable
Spindle Speed Range.....	60 - 2300 RPM
Floor to Center Height.....	45-3/4 in.
Headstock Rotation.....	Fixed

Spindle Information

Spindle Taper.....	MT#2
Spindle Thread Size.....	1-1/4 in. x 8 TPI
Spindle Thread Direction.....	Right-Hand
Spindle Bore.....	0.625 in.
Type of Included Spindle Center.....	Spur
Indexed Spindle Increments.....	7.5 deg.
No of Indexes.....	48
Outboard Spindle Thread Direction.....	Right
Outboard Spindle Size.....	1-1/4 in.
Outboard Spindle TPI.....	8 TPI

Tool Rest Information

Tool Rest Width.....	14-1/8 in.
Tool Rest Post Diameter.....	1 in.
Tool Rest Post Length.....	5-1/4 in.
Tool Rest Base Height.....	2-1/2 in.

Tailstock Information

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

Construction

Bed.....	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.....	8-3/8 in.
Faceplate Size.....	3-1/4 in.

Other

Country of Origin	China
Warranty	2 Years
Approximate Assembly & Setup Time	1 Hour
Serial Number Location	Machine ID Label
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features

Electronic Variable-Speed Spindle Control with Digital RPM Readout
Forward/Reverse Switch
Low Spindle Speed Range of 60 - 1200 RPM and High Spindle Speed Range of 120 - 2300 RPM
7.5 Degree Spindle Indexing
Built-In Tool Holder
4-1/2" Tailstock Quill Travel
Lever-Action Cam-Locks for Quick Positioning of Tailstock, Tool Rest Support, and Headstock
Adjustable Leveling Feet

Accessories

Chuck Guard
Chisel Tray
3-1/4" Faceplate
Tool Holder
Live Center
Spur Center
Index Pin
Knockout Rod
Open-End Wrench 50mm
Hex Wrench 3mm
Hex Wrench 10mm