

# MACHINE SPECIFICATIONS



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## MODEL W1856 12" X 18" VARIABLE SPEED BENCHTOP WOOD LATHE

### Product Dimensions

Weight..... 64 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 37 x 14-1/2 x 16-1/2 in.  
Footprint (Length x Width)..... 30-1/2 x 8 in.

### Shipping Dimensions

Type..... Cardboard Box  
Content..... Machine  
Weight..... 71 lbs.  
Length x Width x Height..... 34 x 19 x 13 in.  
Must Ship Upright..... Yes

### Electrical

Power Requirement..... 120V, Single-Phase, 60 Hz  
Full-Load Current Rating..... 4.5A  
Minimum Circuit Size..... 15A  
Connection Type..... Cord & Plug  
Power Cord Included..... Yes  
Power Cord Length..... 6 ft.  
Power Cord Gauge..... 18 AWG  
Plug Included..... Yes  
Included Plug Type..... 5-15  
Switch Type..... ON/OFF Paddle Switch w/Removable Key

### Motors

#### Main

Horsepower..... 3/4 HP  
Phase..... Single-Phase  
Amps..... 4.5A  
Speed..... 1000 - 2500 RPM  
Type..... Universal Brush-Type DC Motor  
Power Transfer ..... V-Belt Drive  
Bearings..... Sealed & Permanently Lubricated

### Main Specifications

#### Operation Information

Swing Over Bed..... 12 in.  
Swing Over Tool Rest Base..... 9 in.  
Distance Between Centers..... 18-1/8 in.  
No of Spindle Speeds..... 3  
Spindle Speed Range..... 450 - 1100, 960 - 2400, 1400 - 3500 RPM  
Floor to Center Height..... 14 in.  
Headstock Rotation..... Fixed

**Spindle Information**

Spindle Taper..... MT#2  
Spindle Thread Size..... 1" x 8 TPI  
Spindle Thread Direction..... Right Hand  
Spindle Bore..... 7/16 in. (11.5mm)  
Type of Included Spindle Center..... Spur and Cupped

**Tool Rest Information**

Tool Rest Width..... 7-3/4 in.  
Tool Rest Post Diameter..... 1 in.  
Tool Rest Post Length..... 2-5/8 in.  
Tool Rest Base Height..... 1-1/4 in.

**Tailstock Information**

Tailstock Taper..... MT#2  
Type of Included Tailstock Center..... Spur and Cupped

**Construction**

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

**Other Related Information**

Bed Width..... 4-1/2 in.  
Faceplate Size..... 3-1/8 in.

**Other**

Country of Origin ..... China  
Warranty ..... 2 Years  
Approximate Assembly & Setup Time ..... 15 min.  
Serial Number Location ..... Machine ID Label  
ISO 9001 Factory ..... No  
Certified by a Nationally Recognized Testing Laboratory (NRTL) ..... No

**Features**

Digital Spindle RPM Display  
3 Spindle Speed Ranges, Each With Variable Speed  
Convenient Accessory Tool Storage Rack  
Solid Cast-Iron Construction  
Quick Releases on Tool Rest and Tailstock for Easy Adjustment