

# MACHINE SPECIFICATIONS



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## MODEL W1680 1 HP 17" FLOOR MODEL DRILL PRESS

### Product Dimensions

Weight..... 185 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 14 x 24 x 64 in.  
Footprint (Length x Width)..... 22-1/2 x 11 in.

### Shipping Dimensions

Type..... Cardboard Box  
Content..... Machine  
Weight..... 235 lbs.  
Length x Width x Height..... 21 x 56 x 11 in.

### Electrical

Power Requirement..... 110V, Single-Phase, 60 Hz  
Prewired Voltage..... 110V  
Full-Load Current Rating..... 10A  
Minimum Circuit Size..... 15A  
Connection Type..... Cord & Plug  
Power Cord Included..... Yes  
Power Cord Length..... 8-1/2 ft.  
Power Cord Gauge..... 16 AWG  
Plug Included..... Yes  
Included Plug Type..... 5-15  
Switch Type..... Toggle Safety Switch w/Removable Key

### Motors

#### Main

Horsepower..... 1 HP  
Phase..... Single-Phase  
Amps..... 10A  
Speed..... 1725 RPM  
Type..... TEFC Capacitor-Start Induction  
Power Transfer ..... V-Belt Drive  
Bearings..... Shielded & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... Internal

## Main Specifications

### Operation Information

Type.....	Floor
Swing.....	17 in.
Spindle Taper.....	MT#3
Spindle Travel.....	3-1/4 in.
Max. Distance From Spindle to Column.....	8-1/2 in.
Max. Distance From Spindle to Table.....	31-1/2 in.
Number of Spindle Speeds.....	12
Range of Spindle Speeds.....	150 - 3050 RPM
Max. Head Swivel.....	360 deg.
Drilling Capacity (Mild Steel).....	1 in. in Steel
Drill Chuck Type.....	JT3 Key Chuck
Drill Chuck Size.....	1/16 - 5/8 in.

### Spindle Information

Distance From Spindle to Base.....	31-1/2 in.
Quill Diameter.....	2.040 in.

### Table Information

Max. Table Tilt (Left/Right).....	90 deg.
Table Swing.....	360 deg.
Table Swivel Around Center.....	360 deg.
Table Swivel Around Column.....	360 deg.
Max. Movement of Work Table.....	21-1/2 in.
Table Diameter.....	14 in.
Table Thickness.....	1-1/2 in.
Vertical Table Travel.....	Crank Handle Operation
Number of T-Slots.....	6
T-Slot Size.....	1/2 in.
T-Slot Centers.....	6 in.
Floor-To-Table Height.....	24 - 45-1/2 in.

### Construction

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

### Other Related Information

Base Length.....	18 in.
Base Width.....	11 in.
Mobile Base.....	D2057A
Column Diameter.....	3.150 in.
Depth Stop Type.....	Threaded Rod with Positive Stop
Has Work Light.....	Yes
Light Socket Type.....	110V, Std Bulb
Maximum Bulb Wattage.....	60 W

**Other**

Country of Origin ..... China  
Warranty ..... 2 Years  
Approximate Assembly & Setup Time ..... 45 Minutes  
Serial Number Location ..... ID Label on Head  
ISO 9001 Factory ..... Yes  
Certified by a Nationally Recognized Testing Laboratory (NRTL) ..... No

**Features**

Threaded Depth Stop  
Crank Handle Operated Rack and Pinion Vertical Table Movement  
Includes Built-in Light  
Table and Base are Cast Iron  
1HP Motor  
12 Speeds  
Huge 4-3/4" Spindle Travel  
Cushioned Grip Quill Handles  
1/16"-5/8" Drill Chuck