

MACHINE SPECIFICATIONS



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MODEL ST1014 20" PLANER WITH HELICAL CUTTERHEAD

Product Dimensions:

Weight 771 lbs.
Length x Width x Height 55-1/2 x 43-1/2 x 46 in.
Footprint (Length x Width) 23-1/2 x 23-1/2 in.

Shipping Dimensions:

Type Wood Crate
Content Machine
Weight 874 lbs.
Length x Width x Height 43 x 29 x 48 in.

Electrical:

Power Requirement 240V, Single-Phase, 60 Hz
Full-Load Current Rating 19A
Minimum Circuit Size 30A
Connection Type Cord & Plug
Power Cord Included Yes
Power Cord Length 6-1/2 ft.
Power Cord Gauge 12 AWG
Plug Included Yes
Included Plug Type L6-30
Switch Type Magnetic Switch w/Overload Protection

Motor:

Type TEFC Capacitor-Start Induction
Horsepower 5 HP
Phase Single-Phase
Amps 19A
Speed 3450 RPM
Power Transfer Triple V-Belt Drive
Bearings Sealed & Permanently Lubricated

Main Specifications:

Operation

Maximum Width of Cut 20 in.
Minimum Workpiece Length 8 in.
Minimum Workpiece Thickness 3/16 in.
Maximum Workpiece Thickness 8 in.
Number of Cuts Per Inch 104, 83
Number of Cuts Per Minute 24,000
Cutterhead Speed 4800 RPM
Planing Feed Rate 16, 20 FPM
Maximum Depth of Cut Planing Full Width 1/8 in.
Maximum Depth of Cut Planing 6-Inch Wide Board 1/8 in.

Cutterhead Information

Cutterhead Type.....	Spiral
Cutterhead Diameter.....	3-1/8 in.
Number of Cutter Spirals	5
Number of Indexable Inserts.....	100

Cutterhead Insert Information

Cutterhead Insert Type	Curved Indexable Carbide
Cutterhead Inset Length.....	15 mm
Cutterhead Insert Width.....	15 mm
Cutterhead Insert Thickness.....	2.5 mm

Table Information

Table Movement	8 in.
Table Bed Size Length	25-3/4 in.
Table Bed Size Width	20 in.
Table Bed Size Thickness.....	1-3/4 in.
Number of Bed Rollers.....	2
Floor-to-Table Height	26-1/2 – 34-1/2 in.
Roller Extension Table Size Length.....	55-1/2 in.
Roller Extension Table Size Width	20 in.
Roller Extension Table Size Thickness	1-3/4 in.

Construction

Table	Precision-Ground Cast Iron
Body.....	Cast Iron
Stand	Steel
Cutterhead Assembly.....	Steel
Infeed Roller.....	Serrated Steel
Outfeed Roller	Knurled
Paint Type/Finish	Powder Coated

Other Information

Table Locks	Yes
Measurement Scale.....	Inch & Metric
Number of Dust Ports	1
Dust Port Size	5 in.
Mobile Base.....	Built-In
Gear Box	2 Speed

Other

Country of Origin	China
Warranty	2 Years
Approximate Assembly & Setup Time.....	30 Minutes
Serial Number Location	ID Label on Top of Headstock
Sound Rating.....	80 dB
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features

Spiral Cutterhead with German-Made Indexable Carbide Inserts
Built-In Mobile Base
Inch & Metric Elevation Scale
Chip Breaker & Pressure Bar
0.059 in. Table Movement Distance per Handwheel Revolution
Precision-Ground Cast-Iron Wings
Top-Mounted Board Return Rollers
Four Column Support with Positive Table Locks
Two-Speed Automatic Board Feed
Pedestal-Mounted Control Switch
Two Adjustable Bed Rollers