

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