



Model SB1124F

9" x 48" 3 HP Variable-Speed Turret Mill With DRO

Product Dimensions

Weight..... 2315 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 64 x 57 x 84 in.
Footprint (Length x Width)..... 24 x 36 in.
Space Required for Full Range of Movement (Width x Depth)..... 95 x 63 in.

Shipping Dimensions

Type..... Wood Crate
Content..... Machine
Weight..... 2625 lbs.
Length x Width x Height..... 66 x 59 x 77 in.

Electrical

Power Requirement..... 220V or 440V, 3-Phase, 60 hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 9.6A at 220V, 4.8A at 440V
Minimum Circuit Size..... 15A at 220V, 15A at 440V
Connection Type..... Cord at 220V, Permanent (Hardwire) at 440V
Power Cord Included..... No
Recommended Power Cord..... "S"-Type, 4-wire, 14 AWG, 300 VAC
Plug Included..... No
Recommended Plug Type..... 15-20 for 220V
Switch Type..... Control Panel w/Magnetic Switch Protection

Motors

Main

Horsepower..... 3 HP
Phase..... 3-Phase
Amps..... 8A at 220V, 4A at 440V
Speed..... 1720 RPM
Type..... TEFC Induction
Power Transfer Belt
Bearings..... Shielded & Permanently Lubricated

Coolant Pump

Horsepower..... 1/8 HP
Phase..... 3-Phase
Amps..... 0.4 A at 220V, 0.23A at 440V
Speed..... 3450 RPM
Type..... Induction
Power Transfer Direct Drive
Bearings..... Sealed & Permanently Lubricated

Longitudinal Power Feed

Horsepower.....	1/10 HP
Phase.....	Single-Phase
Amps.....	0.8A
Speed.....	0 - 160 RPM
Type.....	Universal
Power Transfer	Gear Drive
Bearings.....	Sealed & Permanently Lubricated

Main Specifications

Operation Info

Spindle Travel.....	4-15/16 in.
Max Distance Spindle to Column.....	19 in.
Max Distance Spindle to Table.....	18-1/4 in.
Longitudinal Table Travel (X-Axis).....	30-1/4 in.
Cross Table Travel (Y-Axis).....	11-1/4 in.
Vertical Table Travel (Z-Axis).....	15 in.
Ram Travel.....	12 in.
Turret or Column Swivel (Left/Right).....	360 deg.
Head Tilt (Left/Right).....	0 - 90 deg.
Head Tilt (Front/Back).....	0 - 45 deg.
Drilling Capacity for Cast Iron.....	1 in.
Drilling Capacity for Steel.....	3/4 in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	4 in.

Table Info

Table Length.....	48 in.
Table Width.....	9 in.
Table Thickness.....	2-3/4 in.
Table Height (from Floor/Base).....	42-1/2 in.
Table Weight Capacity.....	400 lbs.
Number of T-Slots.....	3
T-Slot Size.....	5/8 in.
T-Slots Centers.....	2-1/2 in.
Number of Longitudinal Feeds.....	Variable
X-Axis Table Power Feed Rate.....	0 - 3.34 FPM
X/Y-Axis Travel per Handwheel Revolution.....	0.200 in.
Z-Axis Travel per Handwheel Revolution.....	0.100 in.

Spindle Info

Spindle Taper.....	R-8
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	60 - 4200 RPM
Quill Diameter.....	3-3/8 in.
Quill Feed Rates.....	0.0015, 0.003, 0.006 in./rev.
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	18-1/2 in.
Spindle Bearings.....	Angular Contact P4 (ABEC-7) & Double-Shielded Ball Bearing

Construction

Spindle Housing/Quill.....	Chrome-Plated & Precision-Ground Steel
Table.....	Precision-Ground Cast Iron
Head.....	Meehanite Cast Iron
Column/Base.....	Meehanite Cast Iron
Paint Type/Finish.....	Urethane

Other

Country of Origin	Taiwan
Warranty	2 Years
Approximate Assembly & Setup Time	2 Hours
Serial Number Location	ID Label
Sound Rating	67 dB

Features

Fagor Digital Readout
High-Quality, Low-Vibration TEFC Spindle Motor
Auto-Downfeed Stop with Micro-Adjustable Stop
Variable-Speed Longitudinal Power Feed
Precision-Ground Table Surface
Chromed Steel Quill
Heavy-Duty Spindle Brake
Japanese Nachi Bearings
Table, Knee, and Ram are Equipped with Dual Locking Mechanisms
Meehanite Castings
Lever-Action, One-Shot Pump Lubrication System
Powered Recycling Coolant System

Included Accessories

10-Piece Hex Head Wrench Set (1.5 - 10mm)
Open-Ends Wrench 10/12mm
Combination Wrench 19mm
Combination Screwdriver
Oil Bottle
Spare Key Set (Assorted Sizes)
Toolbox