



Model SB1023 6" x 12" Surface Grinder

Product Dimensions

Weight..... 540 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 50-3/4 x 36-1/2 x 66 in.
 Footprint (Length x Width)..... 24 x 24 in.

Shipping Dimensions

Type..... Wooden Crate
 Content..... Machine
 Weight..... 690 lbs.
 Length x Width x Height..... 41 x 29 x 65 in.

Electrical

Power Requirement..... 110V or 220V, Single Phase, 60 Hz
 Minimum Circuit Size..... 15 Amp
 Switch..... Allen/Bradley Magnetic Contactor w/Thermal Overload
 Switch Voltage..... 110V
 Cord Length..... 62 in.
 Cord Gauge..... 14 gauge
 Plug Included..... Yes
 Included Plug Type..... NEMA 5-15 for 110V
 Recommended Plug/Outlet Type..... NEMA 6-15 for 220V

Motors

Spindle Motor

Type..... TEFC Capacitor Start Induction
 Horsepower..... 3/4 HP
 Voltage..... 110V/220V
 Prewired..... 110V
 Phase..... Single-Phase
 Amps..... 9.5/5 Amp
 Speed..... 3450 RPM
 Cycle..... 60 Hz
 Number of Speeds..... 1
 Power Transfer Integral Spindle
 Bearings..... Shielded and Permanently Sealed

Main Specifications

Operation Info

Max. Dist Wheel To Table.....	8-1/4 in.
Max. Distance Table To Spindle Center.....	12 in.
Longitudinal Travel.....	14 in.
Cross Travel.....	8-7/8 in.
Spindle Speed.....	3450 RPM
Max. Grinding Width.....	8-7/8 in.
Grinding Wheel Bore.....	1-1/4 in.
Grinding Wheel Diameter.....	7 in.
Grinding Wheel Width.....	1/2 in.
Vertical Handwheel Graduation.....	0.0005 in.
Vertical Handwheel Revolution.....	0.05 in.
Crossfeed Handwheel Graduation.....	0.001 in.
Crossfeed Handwheel Revolution.....	0.1 in.

Table Info

Table Size Length.....	12-1/8 in.
Table Size Width.....	5-15/16 in.
Table Size Thickness.....	2.2 in.
Floor To Table Height.....	40 in.
T Slot Size Width.....	1/2 in.
T Slot Size Height.....	3/4 in.
Stud Size.....	1/2 in.

Construction

Table.....	Meehanite Cast Iron
Body.....	Meehanite Cast Iron
Base.....	Meehanite Cast Iron
Spindle Bearing Type.....	Angular Contact, P5 Class (ABEC-5)
Paint.....	Urethane

Other

Column Size Width.....	5-1/8 in.
Column Size Length.....	5-1/8 in.

Other

Country Of Origin	Taiwan
Warranty	1 Year
Serial Number Location	Machine Data Label, Cabinet Door
Customer Assembly & Setup Time	1 Hour

Features

- Allen-Bradley Electrical Components
- Storage Cabinet
- Grinding Wheel Included
- Swedish SKF Bearings
- Steel Ball Bearing Slideways for Super Smooth and Precise Operation
- Excellent South Bend Uncompromising Quality
- Diamond Wheel Dressing Tool w/Base
- Balancing Arbor and Hub
- Hub Puller
- Toolbox w/Tools Included