



Model SB1029 Surface Grinder 6" x 18"

Product Dimensions

Weight..... 1912 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 66-1/4 x 47-5/16 x 67-3/4 in.
 Footprint (Length x Width)..... 28 x 26-1/4 in.

Shipping Dimensions

Type..... Wooden Crate
 Content..... Machine
 Weight..... 2982 lbs.
 Length x Width x Height..... 53 x 45 x 79 in.

Electrical

Power Requirement..... 220V or 440V, Three-Phase, 60 Hz
 Minimum Circuit Size..... 15 Amp
 Switch..... Magnetic Contactor w/Thermal Overload
 Switch Voltage..... 110V
 Cord Length..... 7 ft.
 Cord Gauge..... 14 gauge
 Plug Included..... No
 Recommended Plug/Outlet Type..... L15-15 for 220V or Hardwire 440V w/Locking Switch

Motors

Spindle Motor

Type..... TEFC Induction
 Horsepower..... 1-1/2 HP
 Voltage..... 220V/440V
 Prewired..... 220V
 Phase..... Three-Phase
 Amps..... 4.2/2.4
 Speed..... 3450 RPM
 Cycle..... 60 Hz
 Number of Speeds..... 1
 Power Transfer Direct Drive
 Bearings..... Shielded and Permanently Sealed

Oil Pump & Motor

Type..... Electromagnetic
 Horsepower..... 25 Watts
 Voltage..... 110V
 Cycle..... 50/60 Hz

Main Specifications

Operation Info

Max. Dist Wheel To Table.....	15-5/8 in.
Max. Distance Table To Spindle Center.....	19-3/16 in.
Longitudinal Travel.....	19-3/8 in.
Cross Travel.....	7-9/16 in.
Spindle Speed.....	3450 RPM
Grinding Wheel Bore.....	1-1/4 in.
Grinding Wheel Diameter.....	7 in.
Grinding Wheel Width.....	1/2 in.
Vertical Handwheel Graduation.....	0.0002 in.
Vertical Handwheel Revolution.....	0.05 in.
Crossfeed Handwheel Graduation.....	0.001 in.
Crossfeed Handwheel Revolution.....	0.2 in.

Table Info

Table Size Length.....	17-3/4 in.
Table Size Width.....	5-3/4 in.
Table Size Thickness.....	2-3/4 in.
Floor To Table Height.....	39-5/8 in.
T Slot Size Width.....	0.067 in.
T Slot Size Height.....	0.098 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

Country Of Origin	Taiwan
Warranty	1 Year
Serial Number Location	Machine Data Label, Right-Side of Column
Customer Assembly & Setup Time	2 Hours

Features

- Constant Oil-Flow Lubrication System for Lead Screws and Ways
- Grinding Wheel Included
- Allen-Bradley Electrical Components
- Japanese NSK Bearings
- Precision Hand-Scraped Ways
- Precision Ball Bearing Slideways
- Stand Built from One-Piece Heavy-Duty Cast-Iron Casting
- Diamond Wheel Dressing Tool w/Base
- Balancing Arbor and Hub
- Hub Puller
- Toolbox w/Tools Included