



Machine Specifications



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Model SB1029 6" x 18" Surface Grinder

Product Dimensions:

Weight 1912 lbs.
Length/Width/Height 66¼" x 47½" x 67¾"
Footprint (Length/Width)..... 28" x 26¼"

Shipping Dimensions:

Type Wooden Crate
Content..... Machine
Weight 2082 lbs.
Length/Width/Height 53" x 45" x 79"

Electrical:

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

Motors:

Spindle Motor

Type, Speed, Cycle TEFC Induction, 3450 RPM, 60 Hz
Horsepower..... 1½ HP
Voltage..... 220V/440V
Prewired 220V
Phase Three-Phase
Amps 4.2/2.4 Amp
Number Of Speeds 1
Power Transfer Direct Drive
Bearings..... Shielded and Permanently Sealed

Oil Pump & Motor

Type Electromagnetic
Power 25 Watts
Voltage..... 110 VAC
Cycle 50/60 Hz
Oil Reservoir Width/Length/Depth 11" x 13" x 2"
Oil Filter or Screen Screen
Oil Reservoir Capacity..... 5 Quarts
Recommended Oil Mobil Vacuoline 1405 or 1409, Shell Tonna 27 or 33, BP Energol HP 20-C

Main Specifications:

Operation Information

Maximum Distance Wheel To Table.....	15 ⁵ / ₈ "
Maximum Distance Table To Spindle Center.....	19 ³ / ₁₆ "
Long Stroke.....	19 ³ / ₈ "
Cross Slide Stroke.....	7 ⁹ / ₁₆ "
Wheel Hub Diameter.....	1 ¹ / ₄ "
Spindle Speed.....	3450 RPM
Spindle Taper.....	7 ¹ / ₂ Degrees
Grinding Wheel Diameter.....	7"
Grinding Wheel Width.....	1 ¹ / ₂ "
Grinding Wheel Bore.....	1 ¹ / ₄ "
Spindle Support Casting.....	4" x 4" x 7"
Column Size-Width.....	13.7"
Column Size-Length.....	10.2"
Vertical Handwheel Graduation.....	0.0002"
Vertical Handwheel Revolution.....	0.05"
Crossfeed Handwheel Graduation.....	0.001"
Crossfeed Handwheel Revolution.....	0.2"

Table

Table Length.....	17 ³ / ₄ "
Table Width.....	5 ³ / ₄ "
Table Thickness.....	2 ³ / ₄ "
Floor To Table Height.....	39 ⁵ / ₈ "
T-Slot Width.....	0.067"
T-Slot Height.....	0.098"
Stud Size.....	1 ¹ / ₂ "

Construction

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

Other Specifications:

Country Of Origin.....	Taiwan
Warranty.....	1 Year
Serial Number Location.....	Machine Data Label, Right-Side of Column
Assembly 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