



Model SB1023

6" x 12" Surface Grinder

Product Dimensions:

Weight 540 lbs.
 Length/Width/Height 50³/₄" x 36¹/₂" x 66"
 Footprint (Length/Width)..... 24" x 24"

Shipping Dimensions:

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

Electrical:

Required Power Source 110V or 220V, Single Phase, 60 Hz
 Switch..... Allen/Bradley Magnetic Contactor w/Thermal Overload
 Switch Voltage 110V
 Cord Length 62"
 Cord Gauge 14 Gauge
 Recommended Circuit Size 15 Amp
 Plug Included..... Yes
 Plug Type 110V 5-15

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 Information

| | |
|---|---------------------------------|
| Maximum Distance Wheel To Table..... | 8¼" |
| Maximum Distance Table To Spindle Center..... | 12" |
| Long Stroke..... | 14" |
| Maximum Grinding Width..... | 8 ⁷ / ₈ " |
| Spindle Taper..... | 5½ Degrees |
| Spindle Speed..... | 3450 RPM |
| Hub Diameter..... | 1¼" |
| Grinding Wheel Diameter..... | 7" |
| Grinding Wheel Width..... | ½" |
| Grinding Wheel Bore..... | 1¼" |
| Floor To Table Height..... | 40" |
| Column Width..... | 5 ¹ / ₈ " |
| Column Length..... | 5 ¹ / ₈ " |
| Vertical Handwheel Graduation..... | 0.0005" |
| Vertical Handwheel Revolution..... | 0.05" |
| Crossfeed Handwheel Graduation..... | 0.001" |
| Crossfeed Handwheel Revolution..... | 0.1" |
| Longitudinal Travel..... | 14" |
| Cross Travel..... | 8 ⁷ / ₈ " |

Table

| | |
|----------------------|-----------------------------------|
| Table Length..... | 12 ¹ / ₈ " |
| Table Width..... | 5 ¹⁵ / ₁₆ " |
| Table Thickness..... | 2.2" |
| T-Slot Width..... | ½" |
| T-Slot Height..... | ¾" |
| Stud Size..... | ½" |

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, Cabinet Door |
| Assembly 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