



MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

MODEL G3104 6" X 18" SURFACE GRINDER

Product Dimensions:

Weight..... 1330 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 61 x 42-3/4 x 63 in.
Footprint (Length x Width)..... 22 x 22 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 1362 lbs.
Length x Width x Height..... 45 x 42 x 73 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 110V or 220V, Single-Phase, 60 Hz
Prewired Voltage..... 110V
Full-Load Current Rating..... 18.8A at 110V, 9.4A at 220V
Minimum Circuit Size..... 20A at 110V, 15A at 220V
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 8 ft.
Power Cord Gauge..... 14 AWG
Plug Included..... Yes
Included Plug Type..... 5-15 for 110V
Recommended Plug Type..... 6-15 for 220V
Switch Type..... Control Panel w/Magnetic Switch Protection

Motors:

Main

Horsepower..... 2 HP
Phase..... Single-Phase
Amps..... 18.8A/9.4A
Speed..... 3450 RPM
Type..... TEFC Capacitor-Start Induction
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... Internal

Main Specifications:

Operation Info

Max. Distance Wheel to Table.....	10-3/4 in.
Max. Distance Table to Spindle Center.....	15-3/4 in.
Longitudinal Travel.....	20-1/2 in.
Cross Travel.....	6-7/8 in.
Spindle Diameter.....	1-1/4 in.
Spindle Speed.....	3450 RPM
Max. Grinding Length.....	20-1/2 in.
Max. Grinding Width.....	6-3/4 in.
Grinding Wheel Bore.....	1-1/4 in.
Grinding Wheel Diameter.....	7 in.
Grinding Wheel Width.....	3/4 in.
Downfeed Range.....	0.0001 - 0.0002 in.
Vertical Handwheel Graduation.....	0.0002 in.
Vertical Handwheel Revolution.....	0.05 in.
Crossfeed Handwheel Graduation.....	0.0005 in.
Crossfeed Handwheel Revolution.....	0.1 in.
Crossfeed of Saddle Range.....	7-1/4 in.

Table Info

Table Size Length.....	18 in.
Table Size Width.....	6 in.
Floor to Table Height.....	38-1/2 in.
T-Slot Size Width.....	1/2 in.
T-Slot Size Height.....	3/8 in.
Stud Size.....	1/2 in.
Head Size.....	7/8 in.

Magnetic Chuck Info

Magnetic Chuck Size Length.....	15-3/4 in.
Magnetic Chuck Size Width.....	5-7/8 in.

Construction

Table.....	Cast Iron
Body.....	Cast Iron
Base.....	Cast Iron
Spindle Bearing Type.....	Shielded and Permanently Lubricated
Paint Type/Finish.....	Epoxy

Other

Column Size Width.....	7-1/2 in.
Column Size Length.....	12 in.
Coolant Tank Width.....	11 in.
Coolant Tank Length.....	19-1/2 in.
Coolant Tank Height.....	9-7/8 in.
Coolant Tank Capacity.....	9.17 GAL
Mobile Base.....	D2058A

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	1 Hour
Serial Number Location	ID Label
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features:

- Flood Coolant System
- Column Dial
- Cross Feed Dial
- Cast-Iron Cabinet
- One Shot Lubrication
- Power Indicator Lights
- Ball Bearing Longitudinal Slide
- Work Light
- Splash Guard

Accessories Included:

- 24 Grit Grinding Wheel
- Dressing Diamond with Mount
- Grinding Stone Balance Kit
- Leveling Pads
- Tool Box with Wrenches