



# 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 43 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..... 19.1A at 110V, 9.5A 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..... 18.2A/9.1A  
Speed..... 3400 RPM  
Type..... TEFC Capacitor-Start Induction  
Bearings..... Shielded & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... Internal

#### Coolant Pump

Horsepower..... 4 W  
Phase..... Single Phase  
Amps..... 0.9A/0.45A  
Speed..... 3360 RPM  
Type..... TEFC Induction  
Bearings..... Shielded & Permanently Lubricated

**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.....	3400 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

**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