



# MACHINE DATA SHEET

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

## MODEL G9729 31" 3/4 HP COMBO LATHE/MILL

### Product Dimensions:

Weight..... 525 lbs.  
 Width (side-to-side) x Depth (front-to-back) x Height..... 58 x 40-1/2 x 40 in.  
 Footprint (Length x Width)..... 50 x 19 in.  
 Space Required for Full Range of Movement (Width x Depth)..... 48-1/2 x 58 in.

### Shipping Dimensions:

Type..... Wood Crate  
 Content..... Machine  
 Weight..... 692 lbs.  
 Length x Width x Height..... 23 x 57 x 44 in.  
 Must Ship Upright..... Yes

### Electrical:

Power Requirement..... 110V, Single-Phase, 60 Hz  
 Prewired Voltage..... 110V  
 Full-Load Current Rating..... 8.8A  
 Minimum Circuit Size..... 15A  
 Connection Type..... Cord & Plug  
 Power Cord Included..... Yes  
 Power Cord Length..... 6 ft.  
 Power Cord Gauge..... 14 AWG  
 Plug Included..... Yes  
 Switch Type..... Push Button, Reversing

### Motors:

#### Lathe Spindle

Horsepower..... 3/4 HP  
 Phase..... Single-Phase  
 Amps..... 8.8A  
 Speed..... 1710 RPM  
 Type..... TEFC Capacitor-Start Induction  
 Power Transfer ..... Belt Drive  
 Bearings..... Shielded & Permanently Lubricated  
 Centrifugal Switch/Contacts Type..... Internal

#### Mill Spindle

Horsepower..... 3/4 HP  
 Phase..... Single-Phase  
 Amps..... 8.8A  
 Speed..... 1710 RPM  
 Type..... TEFC Capacitor-Start Induction  
 Power Transfer ..... Belt Drive  
 Bearings..... Shielded & Permanently Lubricated  
 Centrifugal Switch/Contacts Type..... Internal

## Main Specifications:

### Lathe Info

Swing Over Bed.....	16-1/2 in.
Distance Between Centers.....	31 in.
Swing Over Saddle.....	11-1/2 in.
Compound Travel.....	3 in.
Carriage Travel.....	29 in.
Cross Slide Travel.....	7-1/2 in.
Spindle Bore.....	1.107 in.
Spindle Taper.....	MT#4
Number Of Spindle Speeds.....	7
Spindle Speeds.....	175 – 1425 RPM
Tailstock Quill Travel.....	2-1/2 in.
Tailstock Taper.....	MT#3
Tailstock Offset.....	1/2 in.
Number of Longitudinal Feeds.....	24
Range of Longitudinal Feeds.....	0.002 – 0.014 in./rev.
Number of Inch Threads.....	44
Range of Inch Threads.....	4 – 120 TPI
Number of Metric Threads.....	14
Range of Metric Threads.....	0.75 – 6.0 mm

### Mill Info

Mill Taper.....	MT#3
Mill Spindle Travel.....	4-5/16 in.
Mill Swing.....	22 in.
Distance Spindle To Work Table.....	12 in.
Distance Spindle To Bed.....	14-1/2 in.
Distance Spindle To Vise.....	8-9/16 in.
Distance Spindle To Center Line.....	6-1/8 in.
Maximum Tool Bit Size.....	1/2 in.
Drilling Capacity For Steel.....	1/2 in.
Drilling Capacity For Cast Iron.....	1/2 in.
Table Size Length.....	18-3/4 in.
Table Size Width.....	6-1/4 in.
Table Size Thickness.....	1-1/4 in.
Number of T-Slots.....	2
T-Slot Size.....	7/16"
T-Slot Centers.....	90mm (3.54")
Vise Jaw Opening.....	3-1/8 in.
Drawbar Diameter.....	3/8 in.
Drawbar TPI.....	16
Drawbar Length.....	13 in.
Number of Mill Drill Speeds.....	16
Mill Speed Range.....	120 – 3000 RPM

### Construction

Bed.....	Hardened & Precision-Ground Cast Iron
Headstock.....	Cast Iron
Body.....	Cast Iron
Frame.....	Cast Iron
End Gears.....	Steel
Paint Type/Finish.....	Enamel

**Other**

Bed Width.....	5-1/2 in.
Floor To Center Height.....	16 in.
Carriage Leadscrew Diameter.....	0.780 in.
Carriage Leadscrew TPI.....	6
Carriage Leadscrew Length.....	38 in.
Cross Slide Leadscrew Diameter.....	0.780 in.
Cross Slide Leadscrew TPI.....	8
Cross Slide Leadscrew Length.....	18 in.
Coolant System.....	No
Optional Stand.....	No

**Other Specifications:**

Country of Origin .....	China
Warranty .....	1 Year
Approximate Assembly & Setup Time .....	1-1/2 Hours
ISO 9001 Factory .....	No
Certified by a Nationally Recognized Testing Laboratory (NRTL) .....	No

**Features:**

- T-Slots in Cross Slide
- Carriage Lock
- Power Cross Feed
- Power Longitudinal Feed
- Fine Down-Feed
- Hardened and Ground Bedways
- Separate Motor for Milling Head
- Built-in Vise
- Adjustable Mill/Drill Head

**Accessories Included:**

- 1/2" Drill Chuck with Arbor
- 2 Dead Centers
- 4-Way Tool Post
- 5" 3-Jaw Chuck
- 9" Faceplate
- Change Gears
- Follow Rest
- MT#3 Chuck Arbor
- Steady Rest
- Threading Dial