



# MACHINE DATA SHEET

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

## MODEL G4791 12" X 39" LARGE COMBO LATHE/MILL

### Product Dimensions:

Weight..... 1110 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 69 x 25 x 69 in.  
Footprint (Length x Width)..... 56 x 19-1/2 in.

### Shipping Dimensions:

#### Carton #1

Type..... Wood Crate  
Content..... Machine  
Weight..... 1012 lbs.  
Length x Width x Height..... 73 x 33 x 43 in.  
Must Ship Upright..... Yes

#### Carton #2

Type..... Cardboard Box  
Content..... Left Stand  
Weight..... 94 lbs.  
Length x Width x Height..... 21 x 15 x 29 in.  
Must Ship Upright..... No

#### Carton #3

Type..... Cardboard Box  
Content..... Right Stand  
Weight..... 96 lbs.  
Length x Width x Height..... 21 x 15 x 29 in.  
Must Ship Upright..... No

### Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz  
Prewired Voltage..... 220V  
Full-Load Current Rating..... 7.5A  
Minimum Circuit Size..... 15A  
Connection Type..... Cord & Plug  
Power Cord Included..... Yes  
Power Cord Length..... 6 ft.  
Power Cord Gauge..... 14 AWG  
Plug Included..... No  
Switch Type..... Push Button, Reversing

### Motors:

#### Mill Spindle

Horsepower..... 3/4 HP  
Phase..... Single-Phase  
Amps..... 5.5A  
Speed..... 1720 RPM  
Type..... TEFC Capacitor-Start Induction  
Power Transfer ..... Belt Drive  
Bearings..... Sealed & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... Internal

**Lathe Spindle**

Horsepower.....	1.5 HP
Phase.....	Single-Phase
Amps.....	7.5A
Speed.....	1720 RPM
Type.....	TEFC Capacitor-Start Induction
Power Transfer .....	Belt Drive
Bearings.....	Sealed & Permanently Lubricated
Centrifugal Switch/Contacts Type.....	Internal

**Main Specifications:**

**Lathe Info**

Swing Over Bed.....	12 in.
Distance Between Centers.....	39 in.
Swing Over Saddle.....	6-7/8 in.
Compound Travel.....	3 in.
Carriage Travel.....	35 in.
Cross Slide Travel.....	9 in.
Spindle Bore.....	1-1/2 in.
Spindle Taper.....	MT#5
Number Of Spindle Speeds.....	9
Spindle Speeds.....	250 – 1600 RPM
Spindle Type.....	Intrinsic Back Plate
Tailstock Quill Travel.....	3 in.
Tailstock Taper.....	MT#3
Tailstock Offset.....	15/32 in.
Number of Longitudinal Feeds.....	36
Range of Longitudinal Feeds.....	0.0047 – 0.0095 in./rev.
Number of Inch Threads.....	20
Range of Inch Threads.....	11 – 40 TPI
Number of Metric Threads.....	14
Range of Metric Threads.....	0.5 – 3.0 mm

**Mill Info**

Mill Taper.....	MT#3
Mill Spindle Travel.....	5 in.
Mill Swing.....	21 in.
Distance Spindle To Work Table.....	14-1/4 in.
Distance Spindle To Bed.....	16-1/2 in.
Distance Spindle To Center Line.....	8-1/2 in.
Mill Head Vertical Travel.....	4-7/8 in.
Maximum Tool Bit Size.....	1/2 in.
Drilling Capacity For Steel.....	5/8 in.
Drilling Capacity For Cast Iron.....	5/8 in.
Table Size Length.....	16-7/8 in.
Table Size Width.....	7-7/8 in.
Table Size Thickness.....	1-1/4 in.
Drawbar Diameter.....	12 mm
Drawbar Thread Pitch.....	1.75
Drawbar Length.....	13-3/4 in.
Number of Mill Drill Speeds.....	9
Mill Speed Range.....	350 – 2000 RPM

**Construction**

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

**Other**

Bed Width..... 6-1/8 in.  
Floor To Center Height..... 43 in.  
Carriage Leadscrew Diameter..... 0.950 in.  
Carriage Leadscrew TPI..... 8  
Carriage Leadscrew Length..... 46 in.  
Cross Slide Leadscrew Diameter..... 5/8 in.  
Cross Slide Leadscrew TPI..... 10  
Cross Slide Leadscrew Length..... 16 in.  
Coolant System..... No  
Optional Stand..... Yes

**Other Specifications:**

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

**Features:**

Heavy-Duty Stand with 2 Storage Compartments Included  
Hardened and Ground Bedways  
T-Slots in Cross Slide

**Accessories Included:**

1/2" Drill Chuck with Arbor  
2 Dead Centers  
4-Way Tool Post  
6" 3-Jaw Chuck  
8" 4-Jaw Chuck  
8" Face Plate  
Follow Rest  
Steady Rest  
Threading Dial