



MACHINE DATA SHEET

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

MODEL G1007 MILL/DRILL W/ VARIABLE SPEED POWER FEED

Product Dimensions:

Weight..... 566 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 50 x 40 x 48-1/2 in.
Footprint (Length x Width)..... 24 x 16 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 686 lbs.
Length x Width x Height..... 38 x 30 x 46 in.

Electrical:

Minimum Circuit Size..... 20 amps at 110V, 15 amps at 220V
Switch..... Push Button with Thermal Overload Protection
Switch Voltage..... 110V
Cord Length..... 6 ft.
Cord Gauge..... 14 gauge
Plug Included..... Yes

Motors:

Main

Type..... TEFC Capacitor Start Induction
Horsepower..... 2 HP
Voltage..... 110/220V
Prewired..... 110V
Phase..... Single
Amps..... 18/9A
Speed..... 1725 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Belt Drive
Bearings..... Shielded, Permanently Lubricated

Main Specifications:

Operation Info

| | |
|---|---|
| Spindle Travel..... | 5 in. |
| Swing..... | 15-7/8 in. |
| Longitudinal Table Travel..... | 23-1/2 in. |
| Cross Table Travel..... | 7 in. |
| Ram Travel..... | 12 in. |
| Head Travel..... | 5-1/4 in. |
| Head Tilt (Left-to-Right)..... | 360 deg. |
| Maximum Distance Spindle to Column..... | 8 in. |
| Maximum Distance Spindle to Table..... | 18 in. |
| Drilling Capacity for Cast Iron..... | 1-1/4 in. |
| Drilling Capacity for Steel..... | 1-1/4 in. |
| Number of Vertical Spindle Speeds..... | 12 |
| Range of Vertical Spindle Speeds..... | 150, 225, 255, 350, 400, 500, 850, 1200, 1500, 1600, 2300, 3000 RPM |
| Number of Longitudinal Feeds..... | Variable |
| Feed Rate..... | 0 - 140 RPM |
| Quill Diameter..... | 2.950 in. |

Table Info

| | |
|------------------------|------------|
| Table Length..... | 32 in. |
| Table Width..... | 9-1/2 in. |
| Table Thickness..... | 1-7/8 in. |
| Number of T-Slots..... | 4 |
| T-Slots Width..... | 0.625 in. |
| T-Slots Height..... | 7/8 in. |
| T-Slots Centers..... | 2-1/16 in. |
| Stud Size..... | 1/2 in. |

Spindle Info

| | |
|----------------------------|----------------|
| Spindle Taper..... | R-8 |
| End Milling Capacity..... | 3/4 in. |
| Face Milling Capacity..... | 3 in. |
| Drawbar Diameter..... | 7/16 in. |
| Drawbar TPI..... | 7/16 - 20 |
| Drawbar Length..... | 16-1/2 in. |
| Spindle Bearings..... | Tapered Roller |

Lead Screw Info

| | |
|-------------------------|-----------|
| Leadscrew Diameter..... | 15/16 in. |
| Leadscrew TPI..... | 10 |
| Leadscrew Length..... | 36 in. |

Construction

| | |
|----------------------------|------------------|
| Spindle Housing/Quill..... | Cast Iron |
| Table..... | Ground Cast Iron |
| Head..... | Cast Iron |
| Column..... | Ground Cast Iron |
| Base..... | Cast Iron |
| Paint..... | Epoxy |

Other

| | |
|------------------------------|-----------|
| Collar Graduations..... | 0.001 in. |
| Column Diameter..... | 4-1/2 in. |
| Optional Stand..... | G5944 |
| Recommended Mobile Base..... | G7314Z |

Other Specifications:

ISO Factory ISO 9001
Country Of Origin China
Warranty 1 Year
Serial Number Location ID Label on Head Casting
Assembly Time 1-1/2 hours

Features:

Clutch-Type Downfeed Mechanism
Graduations in Inches
Exclusive Fine Downfeed is Graduated in .001" and is Engaged by Clutch-Type Mechanism
Heavy Duty 12 Speed Tapered Roller Bearing Spindle
Top Quality Workmanship Throughout
Push Button Switch with Thermal Overload Protector
Servo-Type Variable Speed Power Feed Table, Mounted on Left Side

Accessories Included:

1/2" Drill Chuck
3" Angle Vise
3" Face Mill