



MACHINE DATA SHEET

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MODEL G0720R HEAVY-DUTY BENCH TOP MILLING MACHINE

Product Dimensions:

Weight..... 596 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 14-1/2 x 30-1/2 x 43 in.
 Footprint (Length x Width)..... 28-1/2 x 14-1/2 in.
 Space Required for Full Range of Movement (Width x Depth)..... 55-3/4 x 33 in.

Shipping Dimensions:

Type..... Wood Crate
 Content..... Machine
 Weight..... 768 lbs.
 Length x Width x Height..... 41 x 52 x 36 in.

Electrical:

Power Requirement..... 110V, Single-Phase, 60 Hz
 Prewired Voltage..... 110V
 Full-Load Current Rating..... 11.12A
 Minimum Circuit Size..... 20A
 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
 Switch Type..... Forward/Reverse & Button Switches

Motors:

Main

Horsepower..... 2 HP
 Amps..... 10A
 Speed..... 0 – 3600 RPM
 Type..... Brushless DC (Class F)
 Power Transfer Belt Drive
 Bearings..... Shielded & Permanently Lubricated
 Centrifugal Switch/Contacts Type..... N/A

Head Elevation

Horsepower..... 1/12 HP
 Phase..... Single-Phase
 Amps..... 1.12A
 Speed..... 1400 / 1700 RPM
 Type..... TEFC Capacitor-Start Induction
 Power Transfer Direct Drive
 Bearings..... Shielded & Permanently Lubricated
 Centrifugal Switch/Contacts Type..... N/A

Main Specifications:

Operation Info

Spindle Travel.....	3-5/16 in.
Max Distance Spindle to Column.....	11-3/8 in.
Max Distance Spindle to Table.....	15-3/4 in.
Longitudinal Table Travel (X-Axis).....	17-5/8 in.
Cross Table Travel (Y-Axis).....	9-5/8 in.
Vertical Head Travel (Z-Axis).....	13-1/8 in.
Head Tilt (Left/Right).....	45 deg.
Drilling Capacity for Cast Iron.....	1-1/8 in.
Drilling Capacity for Steel.....	1 in.
Tapping Speed.....	50 – 800 RPM
End Milling Capacity.....	1 in.
Face Milling Capacity.....	2-1/2 in.

Table Info

Table Length.....	32-1/4 in.
Table Width.....	9-1/2 in.
Table Thickness.....	2-5/8 in.
Number of T-Slots.....	4
T-Slot Size.....	9/16 in.
T-Slots Centers.....	2-1/8 in.
X/Y-Axis Travel per Handwheel Revolution.....	0.125 in.

Spindle Info

Spindle Taper.....	R-8
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	100 – 1600 RPM
Quill Diameter.....	2.56 in.
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	13-1/2 in.
Spindle Bearings.....	Tapered Roller Bearings

Construction

Spindle Housing/Quill.....	Cast Iron
Table.....	Ground Cast Iron
Head.....	Cast Iron
Column/Base.....	Cast Iron
Base.....	Cast Iron
Paint Type/Finish.....	Enamel

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	30 Minutes
Serial Number Location	ID Label on Headstock
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features:

- Motorized headstock lift system
- Digital head tilt angle display
- Headstock and table travel on dovetailed ways
- Includes 1-16mm B16 drill chuck
- Dovetail column
- Digital spindle scale reads metric or inches, zero set, on/off
- Headstock tilts 90 deg left, 45 deg. right
- Digital speed display
- Reversing buttons on downfeed handles for tapping
- Coolant trough
- Front-mounted emergency stop button
- Transparent polycarbonate chip guard with safety switch
- Milling and tapping mode control
- Optional power feed available