



MACHINE DATA SHEET

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

MODEL G0961 8" X 36" VARIABLE-SPEED KNEE MILL WITH POWER FEED AND DRO

Product Dimensions:

Weight..... 1731 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 56 x 56 x 76-1/2 in.
Footprint (Length x Width)..... 19-1/2 x 33 in.
Space Required for Full Range of Movement (Width x Depth)..... 79-1/2 x 56 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 1940 lbs.
Length x Width x Height..... 53 x 45 x 84 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 110V, Single-Phase, 60 Hz
Full-Load Current Rating..... 15.8A
Minimum Circuit Size..... 20A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 60 in.
Power Cord Gauge..... 14 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... Control Panel with On/Off Button

Motors:

Main

Horsepower..... 1.5 HP
Phase..... Single-Phase
Amps..... 15A
Speed..... 3400 RPM
Type..... DC Brushless
Power Transfer Belt
Bearings..... Shielded & Permanently Lubricated

Coolant Pump

Horsepower..... 60W
Phase..... Single-Phase
Amps..... 0.82A
Speed..... 2800 RPM
Type..... TEFC Induction
Power Transfer Direct
Bearings..... Shielded & Permanently Lubricated

Main Specifications:

Operation Info

Spindle Travel.....	4-1/16 in.
Max Distance Spindle to Column.....	15-3/4 in.
Max Distance Spindle to Table.....	14-1/2 in.
Longitudinal Table Travel (X-Axis).....	23 in.
Cross Table Travel (Y-Axis).....	9-1/2 in.
Vertical Table Travel (Z-Axis).....	13-3/4 in.
Ram Travel.....	10-1/2 in.
Turret or Column Swivel (Left/Right).....	180 deg.
Head Tilt (Left/Right).....	90 deg.
Drilling Capacity for Cast Iron.....	1 in.
Drilling Capacity for Steel.....	7/8 in.
End Milling Capacity.....	5/8 in.
Face Milling Capacity.....	2-1/2 in.

Table Info

Table Length.....	36 in.
Table Width.....	8 in.
Table Thickness.....	2-3/4 in.
Table Weight Capacity.....	661 lbs.
Number of T-Slots.....	3
T-Slot Size.....	5/8 in.
T-Slots Centers.....	2-1/2 in.
Number of Longitudinal Feeds.....	Variable
X-Axis Table Power Feed Rate.....	0 - 3.5 FPM
X/Y-Axis Travel per Handwheel Revolution.....	0.200 in.
Z-Axis Travel per Handwheel Revolution.....	0.100 in.

Spindle Info

Spindle Taper.....	R-8
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	100 - 2800 RPM
Quill Diameter.....	3-3/8 in.
Drawbar Thread Size.....	7/16-20
Drawbar Length.....	19 in.
Spindle Bearings.....	Tapered Roller

Construction

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

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	2 Hours
Serial Number Location	ID Label
ISO 9001 Factory	Yes

Features:

- X- and Y-Axis DRO
- R-8 Spindle
- Variable-Speed Spindle Control with Digital Readout
- Independent X-Axis Power Feed
- Y-Axis Power Feed Ready
- Built-In Coolant System
- One-Shot Pump Way Lubrication System
- LED Worklamp
- Spindle Brake
- Precision-Ground Cast Iron Table

Accessories Included:

- 3/4" JT3 Drill Chuck w/Key and Arbor
- Hex Wrench Set 1.5 - 10mm
- Combination Wrench 17 x 19mm
- Phillips Head Screwdriver #2
- Flat Head Screwdriver 1/4"
- Oil Gun
- Toolbox