



MILL/DRILL MACHINE

Palmgren's Mill / Drill machine offers maximum versatility and economy for your end milling, face milling, slotting, drilling and boring applications all in a single machine designed to bring a competitive advantage to the smaller job shop, model shop, fabrication shop and maintenance departments.

- Solid cast iron construction
- Large, precision ground T-slotted machine table with adjustable feed stops
- Hinged belt cover for faster speed changes
- Heavy-duty tapered roller bearings support the spindle
- Positive easy to read internal depth stop
- Fine feed mechanism with graduated dial for accurate down feed movement
- Easy to read dials
- 360° head swivel
- Comes standard with draw bar, work light, R8/J6 arbor, face mill cutter, R8/MT3 arbor, drill chuck and key and 6 piece R8 arbor set (1/8", 1/4", 3/8", 1/2", 5/8" & 3/4")
- See pages 120-123 for milling accessories

DIMENSIONS:

Item # 9680161 - 965.2 mm L x 762 mm W x 1092.2 mm H, Weight 272.15 kg
38" L x 30" W x 43" H, Weight 600 lbs.

Item #9680161

Electrical Connection	
Motor	2 HP / 230 V / 60HZ / 1PH
Drilling-Milling Capacity	
Drilling Capacity in Cast Iron (max)	38.1 mm / 1-1/2 in
Drilling Capacity in Steel (max)	31.75 mm / 1-1/4 in
Milling Capacity Cutter Head (max)	76.2 mm / 3 in
Milling Capacity End Mill Cutter (max)	19.05 mm / 3/4 in
Column Diameter	101.6 in / 4 in
Working Range	2032 mm x 2540 mm x 1651 mm / 80 x 100 x 65 in
Spindle Holding Fixture	
Spindle Taper	R8
Quill Travel	120.65 mm / 4-3/4 in
Quill Diameter	76.2 mm / 3 in
Quill Collar Diameter	95.25 mm / 3-3/4 in
Draw Bar Thread	11.11 mm / 7/16" - 20 Drawbar
Mill Drill Head	
Head Rotation	360°
Head Travel	304.8 mm / 12 in
Maximum Spindle to Table	457.20 mm / 18 in
Speeds	
Number of Speeds	12
Speed Range	140 - 2436 RPM
Cross Table	
Cross Table Length x Width	730.25 x 209.55 mm / 28-3/4 x 8-1/4 in
X-Axis	501.65 mm / 19-3/4 in
Y-Axis	177.8 mm / 7 in
T-Slot Size / Distance / Quantity	355.6 mm / 3 ea / 14 in / 3 ea
Swing	393.7 mm / 15-1/2 in



OPTIONAL ACCESSORIES:

- **Item # 9670104** - Heavy duty steel floor stand made from 14 gauge steel for rigid support. Comes with a large coolant and chip tray, 4 mounting holes for bolting stand to the floor and a hinged cabinet door for extra storage in the base.
- **Item # 9680162** - Table power feed attachment for automating the "X" axis. Power feeding on the table increases productivity and improves surface finish on the work pieces. Includes: travel limit stops and switches and all mounting hardware.