Clausing 20" (508mm) Variable Speed Drills

Dial to the best rpm for the tool and material while the job is running, with a Clausing Two Speed Variable Speed Drill Press.

- 150 to 2000 rpm... speeds to drill large holes, small holes to spot face, counterbore and ream.
- A flip of the switch changes from low range to high range, perfect for production applications with quick change tooling.
- Greater capacity, too, with Clausing Two Speed, production rated 1" in cast iron, 3/4" in steel with optional power feed.

Handle more jobs ... better, faster with a Clausing 20" (LOW/HIGH drill press).

More features for superior performance...

- Heavy-duty precision head... all bearing surfaces are precision bored simultaneously for exact alignment. Eight ball bearings support the drive and spindle, lower spindle bearing has a double row to absorb both radial and thrust loads.
- 3 MT spindle... with 6-1/2" travel, 2-1/2" diameter quill and micrometer depth stop.
- 4" column with 3/16" thick wall for great rigidity and accuracy.
- Precision ground 22" x 19" oil through table, handles large parts and fixtures.

Powerful Countershaft Drive

- Three V-belts and a cog belt transmit positive power to the spindle.

Clausing’s heavy-duty drive delivers full power to spindle at all speeds.
Clausing 20" (508mm) Drill Specifications & Electrical Options

Specifications:

<table>
<thead>
<tr>
<th>Capacity, hand feed</th>
<th>1.25&quot; (31.75mm) dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production rated, with optional power feed, 11/2 hp motor</td>
<td>1&quot; (25.4mm) in cast iron</td>
</tr>
<tr>
<td>3/4&quot; (19mm) in mild steel</td>
<td></td>
</tr>
<tr>
<td>Drill to center of circle</td>
<td>20&quot; (508mm) dia.</td>
</tr>
<tr>
<td>Spindle nose</td>
<td>No. 3MT, 1.74&quot; (44.2mm) OD</td>
</tr>
<tr>
<td>Spindle travel</td>
<td>6.5&quot; (165mm)</td>
</tr>
<tr>
<td>Column</td>
<td>ground steel, 4&quot; (102mm) dia., 3/8&quot; (9.5mm) thick wall</td>
</tr>
<tr>
<td>Quill (ground steel)</td>
<td>2.5&quot; (63.5mm) dia.</td>
</tr>
<tr>
<td>Quill return spring, capacity</td>
<td>40 lbs. (18kg)</td>
</tr>
</tbody>
</table>

TABLE, DRILL PRESS Style A

- Working surface 22" x 19.5" (559 x 495mm)
- Table slots two, 15.5" (394mm) long, for .5" (12.7mm) T-bolt
- Table travel, one setting 20" (508mm)
- Spindle to table, maximum 33.125" (841mm)

BASE, DRILL PRESS Style A

- Working surface, ground 15.5" x 13" (394 x 330mm)
- Base T-slots two, 13" (330mm) long, for .5" T-bolt
- Spindle to base, maximum 43.375" (1102mm)

DRILL PRESS Style B

- Column bracket to center of spindle 9.25" (235mm)
- Column to center of spindle 10" (254mm)
- Spindle to table, max. distance 25.437" (646mm)
- Column length 43" (1092mm)
- Min. center to center distance 20" (508mm)
- Motor ... NEMA Frame Sizes 182 and 184
- Shipping weights, approximate, with motors
  - Drill press Style A 630 lbs. (286kg)
  - Drill press Style B 390 lbs. (177kg)

Optional Electrical Equipment*

For Factory Installation Only

NOTE: Magnetic starters protect motor against overload, low and no voltage–Thermal Overload Unit NOT required.

For Single Speed Motor No. 2371 MAGNETIC STARTER.*

Protects motor against overload, low and no voltage. Motor will not automatically restart when power is restored. Transformer provides 110v at start/stop push button. 6 lbs.

No. 2371-15 MAGNETIC STARTER for 3-phase. Includes disconnect switch and 110 volt push-buttons.

No. 2377 REVERSING DRUM SWITCH for 1 & 3-phase.* Protects motor against overload, low and no voltage. Motor will not automatically restart when power is restored. Transformer provides 110v at start/stop push button switch. 6 lbs.

For 2-Speed Motor

No. 2375 MAGNETIC STARTER and REVERSING DRUM SWITCH, with reverse on low speed. * Protects motor against overload, low and no voltage. Motor will not automatically restart when power is restored. Transformer provides 110v at start/stop push button switch. 6 lbs.

*Controls for field installation, and for single phase ... price on application.

FLOOR MODELS FURNISHED with: No. 3MT spindle; table elevating mechanism; switch; belt guard; spindle guard. Motors and switches are installed and wired, ready to connect to power.

Design and specifications are subject to change without notice.

Infinitely Variable Speed Countershaft Drive

<table>
<thead>
<tr>
<th>Motor Furnished</th>
<th>Style A Floor Drill 22&quot; x 19&quot; Table</th>
<th>Style B Head &amp; Column Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-speed, 3-ph, 220v*</td>
<td>2276</td>
<td>2286-300</td>
</tr>
<tr>
<td>2-speed, 3-ph, 440v*</td>
<td>2277</td>
<td>2287-300</td>
</tr>
<tr>
<td>Infinitely Variable Speeds: 200-1300 rpm 1-1/2 Hp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1½ Hp, 3-ph, 1140 rpm</td>
<td>2275</td>
<td>2285-300</td>
</tr>
<tr>
<td>Infinitely Variable Speeds: 300-2000 rpm 1-1/2 Hp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1½ Hp, 1-ph, 1725 rpm</td>
<td>2272</td>
<td>2282-300</td>
</tr>
<tr>
<td>1½ Hp, 3-ph, 1725 rpm</td>
<td>2274</td>
<td>2284-300</td>
</tr>
</tbody>
</table>

*Motor, 1½-3½ hp 1800/900 rpm, 60Hz. SPECIFY VOLTAGE... When voltage is not specified, motor will be wired on lower voltage. Motors are ball bearing, 3-phase single speed motors are 208/220/440v, 60Hz. Single-phase motors are capacitor-start, 115/230v, 60Hz.

**Head and Column Models Furnished with: No. 3MT spindle, head elevating mechanism, column, mounting flange, switch and belt guard. Motors and switches are installed and wired, ready to connect to power.

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