

9680158 - 15", 1PH, Floor Model  
9680177 - 17", 1PH, Floor Model  
9680178 - 17", 3PH, Floor Model  
9680209 - 20", 1PH, Floor Model  
9680210 - 20", 3PH, Floor Model



## HEAVY DUTY 16-SPEED STEP PULLEY DRILL PRESSES

| FEATURES                                                                   | ADVANTAGES                                                                                                                                                          | BENEFITS                                                                                                     |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Oversized, massive drill head with widely spaced bearings                  | Provides full quill support throughout its travel<br>Provides maximum stiffness & rigidity<br>Smoother operation                                                    | Minimizes vibration                                                                                          |
| Fully enclosed spindle                                                     | Provides maximum rigidity<br>Minimal deflection<br>Capable of handling a wide size range of cutting tools<br>Maximum spindle run out of 0.0005"                     | Greater accuracy<br>Longer tool life<br>Reduced workpiece costs                                              |
| 5" Spindle travel on the 17" models<br>6" spindle travel on the 20" models | Extended quill/spindle travel ideal for deep hole applications                                                                                                      | Broad application range<br>Lower set up costs                                                                |
| LED readout of spindle speed                                               | Spindle speed easy to read                                                                                                                                          | Operator convenience<br>Optimizes cutting tool performance<br>Increases productivity<br>Lower workpiece cost |
| Rack and pinion table raiser                                               | Easy adjustment of table height<br>Quick, safe set-ups                                                                                                              | Greater operator convenience and safety<br>Improved productivity                                             |
| Precision ground t-slotted work table with coolant trough                  | Easier clamping of workpiece or vise<br>Capable of handling coolant<br>Rigid with minimal deflection                                                                | Greater operator convenience & safety<br>Improved productivity                                               |
| Table tilts 45° right and left and rotates 360° around the column          | Table tilts for all angle drilling applications<br>Table swings around the column to allow drilling operations on larger workpieces secured to the drill press base | Greater versatility<br>Improves efficiency<br>Improved productivity                                          |

| <b>FEATURES</b>                                                             | <b>ADVANTAGES</b>                                                                                                                                   | <b>BENEFITS</b>                                                                                                                                   |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Quick change vertical depth stop                                            | Easy to set<br>Easy to read                                                                                                                         | Faster set-ups<br>Increased efficiency<br>Greater accuracy<br>Greater operator convenience                                                        |
| Heavy cast metal 3 spoke quill feed handle with ergonomic speed feed handle | Provides for easy, fast manual feeding of cutting tool into the workpiece<br>Proper size to maximize required thrust needed for drilling operations | Improves cutting tool performance<br>Improves efficiency<br>Greater operator convenience & safety                                                 |
| Spindle reversing switch on 9680210                                         | Toggle switch mounted on the front side of the drill head for manual forward & reverse of the spindle for tapping                                   | Increased application range<br>Greater machine versatility                                                                                        |
| Chuck key storage clip                                                      | Conveniently located on front side of the head casting                                                                                              | Allows for faster cutting tool changes & set-ups                                                                                                  |
| Swing-mount motor and pulley system                                         | Allows for fast, easy belt speed changes<br>No other tools are required<br>Allows for proper belt tension when changing speeds                      | Greater operator safety & convenience<br>Improved productivity<br>Improved performance & minimal maintenance<br>Improves cutting tool performance |
| Front mounted industrial paddle-type switch                                 | Positioned for easy access & use                                                                                                                    | Greater operator safety and convenience                                                                                                           |
| 1/2" through base slots                                                     | Faster & simpler set-ups<br>Machined for clamping larger workpieces                                                                                 | Improves efficiency & productivity<br>Greater operator convenience & safety                                                                       |
| Work Light                                                                  | Provides direct illumination on the workpiece and work area                                                                                         | Reduces operator eyestrain and fatigue<br>Provides greater operator safety                                                                        |