

SIMCO 5000 WS

Designed primarily for water well drilling, the quality built SIMCO 5000 WS is sized right for most domestic well requirements. The 5000 WS is also suitable for monitoring wells, mineral exploration and soil sampling work. This all hydraulic rig combines convenient tool handling with easy operation and low maintenance. Cost effective to own and maintain, the versatile and reliable SIMCO 5000 WS is ideal for single rig operations, first time rotary rig users and fleet operators who need to match the right rig to the job. Years of field proven performance and satisfied customers attest to the fact that the SIMCO 5000 WS is a leader in its class.

Check out the standard features. Select from the available options those items that create the drill rig matched to your own drilling requirements. The mud rotary 5000 WS is also capable of auger drilling (conventional or hollow stem), core drilling, D.T.H. hammer drilling and angle drilling. Custom modifications to satisfy your particular drilling needs are also available upon request.

ROTARY CAPACITY: to 400' (6"-12" diameter holes) using a centrifugal mud pump.
to 900' (3-7/8"-6" diameter holes) using a duplex mud pump.

(Rated capacity based on specifications and calculations. Capacity will vary according to drilling and soil conditions.)

FEATURES:

- **Hydrostatic tophead drive** 3050 ft/lbs. @ 235 rpm (std.), 5795 ft/lbs. @ 0-125 rpm (opt.).
Allows for infinite speed control of the drilling function. Higher torques available.
- **Built-in floating drill head** Make up tool joints without adjusting drill head position.
- **Hydraulic off-hole** Remote controlled; allows easy, direct access to bore hole.
- **24' stroke mast** Handles 20 ft. drill pipe sections with ease.
- **Hydrostatic hoisting winch** 12,000 lb. bare drum pull, infinitely variable speed control up to 94 ft./min.
Rated at 13,450 lbs., infinite speed control allows for precise drilling.
- **Hydraulic pull up/pull down/hold back**
- **Power unit** Reliable 125 HP Ford 351 C.I.D. gas deck engine standard. Several optional diesel engines are offered; PTO drive is most commonly used power source.
Makes tool handling simpler and easier.
- **Hydraulic retractable table and flat wrench**
- **Hydraulic breakout wrench** Mast mounted, eliminates manual breakout of tool joints.
- **Finger tip hydraulic controls** All controls are conveniently located, operator has complete view of work area, includes Feed Rate and Bit Pressure controls. Emergency Shutdown switches are standard.
- **Heavy duty water swivel** Top feed style with 2-1/2" watercourse.
- **Complete drilling platform** Includes tool boxes, rod box, driller's platforms, and #3 hydraulic leveling jacks.
- **Mud pump options** Hydrostatically driven allows precise control of flow to match drilling needs. Choose the centrifugal or duplex mud pump that best fits your drilling conditions.
- **Development air options** Hydrostatically driven rotary screw air compressor sized to fit the job.
- **Winch options** Hydraulically operated sand line winches and cathead are available.

MOUNTING CONFIGURATIONS: The rugged, lightweight 5000 WS can be mounted on a single or tandem axle truck. Choose a PTO drive or select either a gas or diesel deck engine. The 5000 WS offers increased job site accessibility and maneuverability where the use of larger, heavier and more expensive rigs may be restricted. Other customer mounting options are also available.

When profitable drilling operations depend on matching the right rig to the job, you can depend on the SIMCO 5000 WS. Call or write today for more information.

(Consult specification sheet for details—specifications subject to change without prior notice)

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