GTD GT45

GEOTHERMAL & WATER WELL DRILL RIG





GTD GT45 DRILL RIG

The GT series of drill rigs are known for their high productivity and reliability in geothermal drilling, with proven performance in both domestic and commercial applications around the world. These rigs are the number one choice for leading industry professionals, thanks to their versatility and ability to handle a variety of drilling conditions with precision and efficiency.

The GT45 model is designed to reach depths beyond 2,300 feet (700 meters) using mud, air, and hammer drilling methods. It is equipped with our unique rod rack and loading system, which is the most robust, reliable, and safest rod handling system on the market, ensuring maximum safety and efficiency in all drilling operations.

DIMENSIONS & WEIGHT

- Length 38' 7" (11.8m)
- Width 7' 8" (2.4m)
- Height 10' 5" (3.2m)
- Weight 44,000 lbs 55,000 lbs (20,000 kg - 25,000 kg) Actual weight will vary depending on the options selected and installed, e.g. Rods...

DERRICK & FEED SYSTEM

- 46,300 lbs (21,000 kg) pull-back
- ▶ 17,640 lbs (8,000 kg) push-down
- ▶ 24' 7" (7.5 m) top head stroke

DRILL PIPE & CASING

- ▶ 3½" (88.9 mm) x 20' (6 m)
- ▶ 40 rod capacity 800' (240 m)
- Max diameter 121/2" (320 mm)

ENGINE

- Doosan DL08 Tier 4 (Stage 5)
- 290 hp (213 kW)
- Typical engine speed 1400 rpm 1600 rpm
- Max engine speed 1800 rpm

ROTARY DRILL HEAD

- Variable twin Eaton motor head with 2" (60 mm) thru-hole
- ▶ 0-135 rpm @ 6195 lb-ft
- ▶ 0-260 rpm @ 3097 lb-ft

CRAWLER (TRACK) BASE

- Doosan Solar 130
- Steel with rubber pads
- Wireless remote travel

GTD STANDARD FEATURES

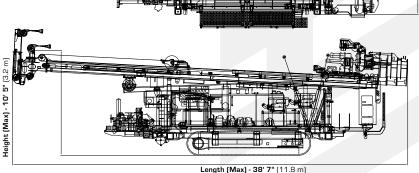
- Sideshift Sliding Drill Head
- Swivel & Floating Spindle Sub
- ► Height adjustable working table
- Double Clamps One rotating
- ► Hydraulic Centralizing Rollers
- ► Hydraulic Breakout Chain Wrench
- Auxiliary Hydraulic Ports and Controls
- Main Winch 11,000 lbs (5,000 kg)
- ▶ Wire/Sandline Winch
- ▶ Water Injection Mist Pump
- DTH Lube System
- Rod Rack & Rod Loader
- ► Hydraulic Welder & Generator (7.5 kW)
- ► Self Loading Jacks/ Outriggers
- Air Compressor: 24 cfm (673 lpm), 130 psi (9 bar)
- Centrifugal Pump: 4x3x13 Single-stage
- 5x6 Triplex Piston Pump:
 317 gpm @ 580psi (1200 lpm @ 40 bar)

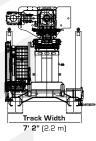
OPTIONS

- $\ \square$ Hydraulic Sliding Rod Wrench
- ☐ Angled Drilling

☐ Triple Clamps

- □ Safety Cage
- ☐ Sandline Winch Length 1,000' 6,500' (300 m 2,000 m)





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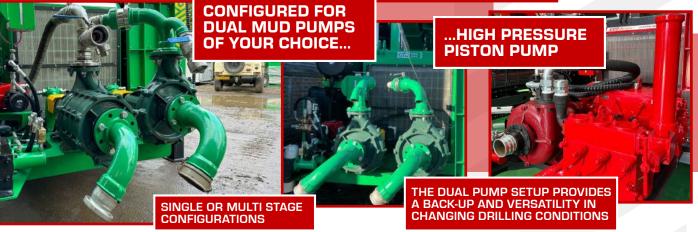






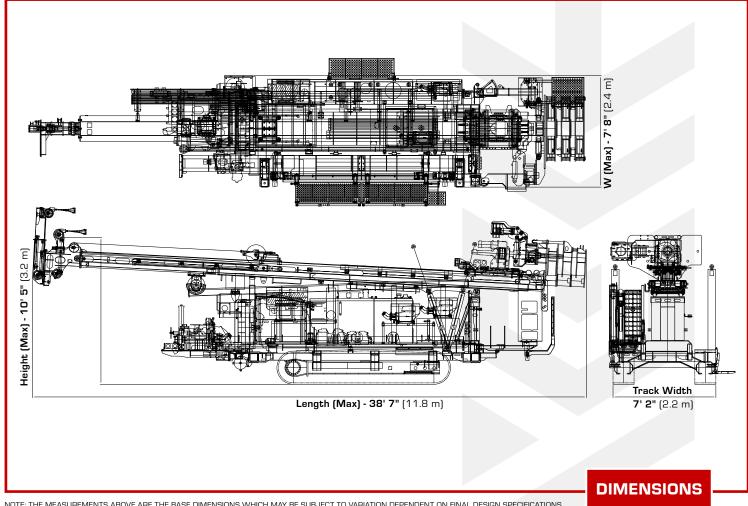








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NOTE: THE MEASUREMENTS ABOVE ARE THE BASE DIMENSIONS WHICH MAY BE SUBJECT TO VARIATION DEPENDENT ON FINAL DESIGN SPECIFICATIONS.





*DON'T BASE YOUR **DECISION ON SPECS ALONE, COME & SEE** THE RIG IN ACTION...

GET IN TOUCH AT INFO@GTD-DESCO.COM

