



GEOPOWER
Geothermal Drill

MULTI▶POWER

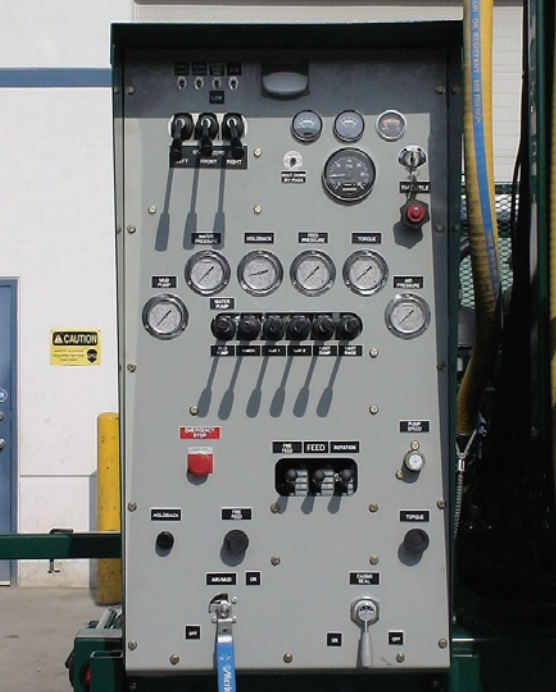
FEATURES

Ready for mud or air drilling

Compact design for limited access sites

On Board Mud Pump

Available Track Mount



Geopower – Geothermal Drill

DEPTH CAPACITIES: Based on 400 CFM / 200 PSI compressor

3-1/2" (89mm)	330 ft / 100 m* <i>*Depending on ground conditions</i>
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PRIME MOVER

Model:	Kubota V3800T, 4 cylinder, turbo charged diesel engine
Power:	99 HP @ 2600 RPM

ON BOARD MUD PUMP

Model:	Centerline 7.5 x 10 mono aluminum mud pump
Capacity:	150 GPM / 400 PSI

COOLING

Ambient temperature rating:	50 Deg C (122 Deg F)
Coolers:	Hydraulic driven fans

TOP DRIVE ROTATION UNIT:

Max torque:	2500 lbs /ft
RPM:	0-120 RPM
Spindle:	Floating w/ NWJ thread
Rotation motor:	Char-Lynn 6K series

MAST AND FEED

Design:	Chain over cylinder feed
Pullback:	15,000 lbs.
Pullback speed:	0-76 fpm
Pulldown:	10,600 lbs.
Pulldown speed:	0-73 fpm
Feed stroke:	12.5 ft
Working angle:	45 to 90 degree
Mast dump:	40" travel

HYDRAULIC SYSTEM

Design:	Fully hydraulic, no electronics, open loop
Capacity:	40 GPM
System pressure:	3000 PSI
Filtration:	10 micron
Components:	Sauer Danfoss, Valvoil, Rexroth & Parker
Heat exchanger:	Air:oil

CONTROL PANEL

Panel:	Engine display, drilling functions, setup functions, & E-stop
Gauges:	Rotation, holdback & air pressure

WINCH

Design:	Planetary style w/ fail safe brake
Pull:	2000 lbs.
Capacity:	100 ft x 1/4" cable

WATER INJECTION PUMP

Max flow:	5 GPM
Max pressure:	550 PSI

DRILL TABLE/BOP

Opening:	5-1/2"
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STABILIZERS THREE C/W 24" STROKE

WEIGHT 8000 LBS.

INCLUDED ACCESSORIES

Discharge cyclone, rod rack, RAB swivel

OPTIONS

Tracked carrier
Compressor package
Mud screening plant

SPECIFICATIONS



Diamond Core



Seismic



Air Rotary



**Specialty &
Multi-Purpose**

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