



MPP Geopower Geotechnical Drill Information



On Track Drilling Inc.

P.O. Box 21067
Maple Ridge Square RPO
Maple Ridge, BC V2X 1P7

Equipment Specifications:**Power unit:**

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

Mast and Feed:

Poclain two speed motor and chain design
Dual "booster" cylinders w/ manual pin connect
Total pullback – 50,000 lbs.
Push – 34,500 lbs.
Poclain feed stroke – 14 ft.
Booster cylinder stroke – 72"
Drilling angle – 45 to 90 degree
Rod pull – 3 meter / 10 ft. tooling
Mast dump – 48"

Drill head:

Fixed displacement Char-Lynn motor & 25 Series Heco reduction unit (6:1)
Max Torque – **6000 ft-lbs.**
Max speed – **85 RPM**

Centralizer:

Removable lower centralizer bowl
10" centralizer ring

Winch:

Rotzler TH1 winch
Max line pull – 2200 lbs.
Pull speed – 100 ft. / min

Undercarriage:

Radio remote track drive package
Morooka MST-800 rubber track assembly
Total track length – 4603mm / 181"
Track width – 600mm / 23.6"

Brevini final drive w/ Two speed Rexroth drive motors

Max drive speed – 5.23 km/h

Max grade – 86% / 39 degree

Control Panel:

Feed circuit w/ variable speed & hold back control

Rotation circuit w/ variable speed & torque control

Booster cylinder control

Water pump circuit w/ speed control

Winch control

Feed/rotate/ speed for drop hammer

90 degree top drive pivot

(x2) Stabilizer circuits

Mast raise/ lower circuit

Mast dump circuit

(x2) Auxiliary hydraulic circuits w/ adjustable control

Pressure gauge cluster

Work lights toggle switches

Adjustable driller's platform

Tool box

Auto hammer Assembly:

Hammer weight: 140 lbs.

Assembly height: 73"

Hammer travel distance: 30"

Percussion rate: 0-50 blows per minute

Hydraulic cylinder up/down control w/ float

Continental 3CL4 progressive cavity pump package

Continental "moyno style" 3CL4-CDQ pump

Char-Lynn drive motor

Output – 14 GPM @ 225 PSI

Hydraulics:

(1) Open loop variable displacement piston pump LS/PC

(1) Gear pump – Cooling fan and set-up functions

Air cooled hydraulic system

10 micron return filter

Drill Deck:

(2) Front mounted hydraulic cylinder stabilizers w/ counterbalance valves

Enclosed hydraulic and engine modules

50 gallon fuel tank

Auger rack

CPT rod rack (removable)

Dual tool box w/ Driller side & work space

General Dimensions:

Weight – 22,000 lbs.

Width – 96”

Length (mast down) – 228”

Height (mast down) – 104”

Additional items:

Deck storage – Tool boxes

Lighting package

12 month conditional warranty











