

# A Pioneer in its own time

**Light**

**Tough**

**Dependable**



(ATV shown for demonstration purposes only)

**PI****ONEER**

**The Pioneer** is a light weight hydraulically powered mobile reconnaissance drill ideally suited for first pass exploration. The Pioneer is easily disassembled for small helicopter transport to remote drill sites.

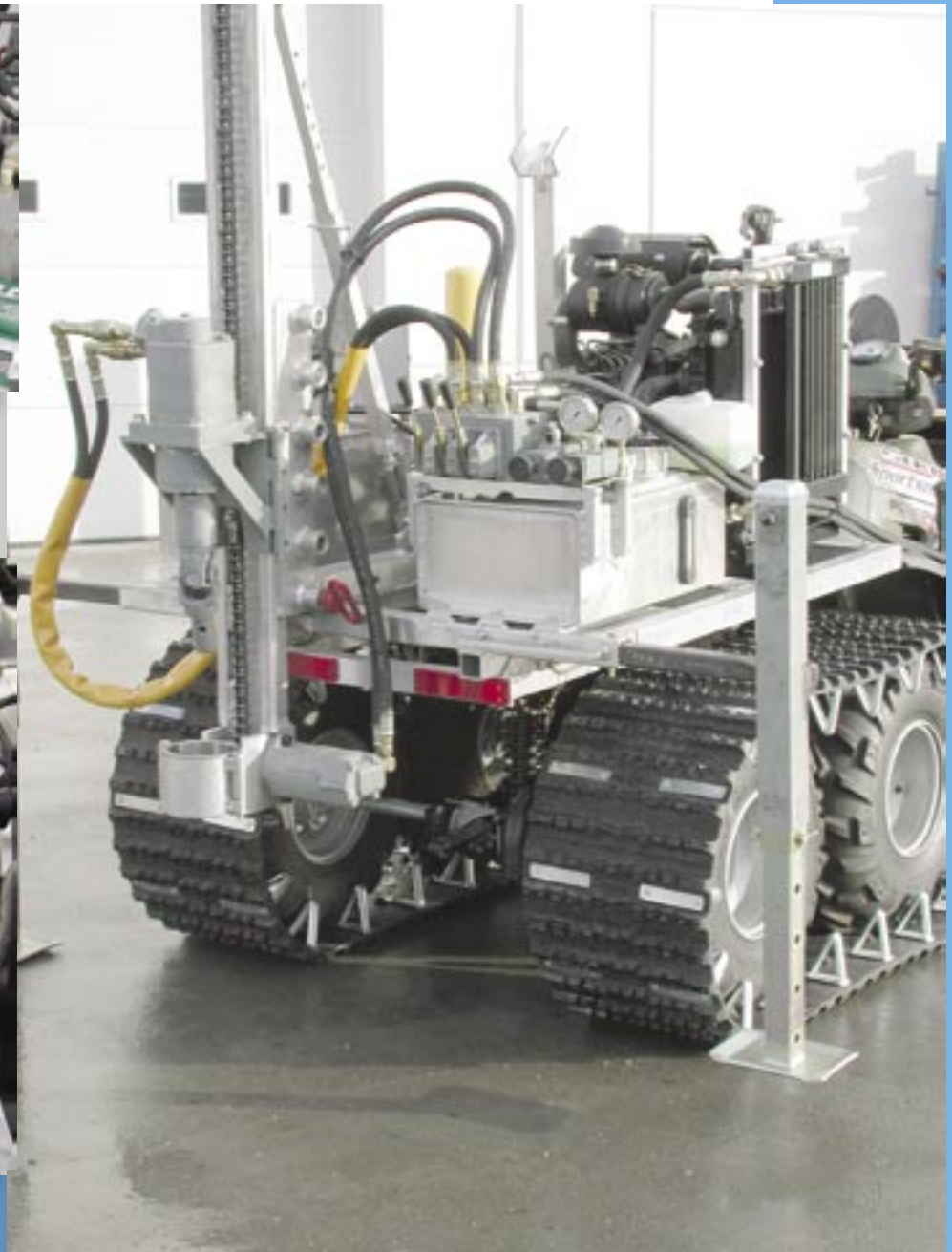
The basic Pioneer is skid mounted. It can also be mounted on a trailer, ATV or in a truck box.



Optional diesel engine is a workhorse in the industry.



Optional diesel engine has full instrumentation panel.



The Pioneer shown with standard support system can be directly mounted on an ATV.

# Pioneer Specifications



Roller chain over sprocket design feed system includes chain tensioning adjustment.



State of the art load sensing hydraulics.



Engineered hydraulic system from **Multi-Power Products Ltd.**, a name you can trust.

## FEED

A single hydraulic motor powers the roller chain over sprocket design feed system. Feed rates are variable and are set with single friction held control lever. Pull-down pressure can be operator set to prevent over forcing the feed.

A swing-open break-out / centralized bowl comes as standard equipment. Mast can be tilted for both vertical and angle drilling.

- Head travel standard stroke = 72 in ( 1828 mm)
- Pull Down / Pull Back = 3044 lbs (1380 Kg)
- Head travel max = 55 ft per min (16 metre per min)

## ROTARY

Rotation is provided by a low speed / high torque motor. Forward and reverse variable speeds are controlled by a single friction held control lever. The standard auger version of the drill comes with a broad sweep angle universal joint drive to accommodate a 1 1/8 inch hex auger stem.

- Rotary speed = 0 - 85 rpm
- Rotary torque = 1066 ft lbs (1446 Nm)

## POWER

Kohler Command CH22 - 22 HP gasoline engine is standard. Diesel engine is optional.

## HYDRAULICS

The hydraulic system utilizes a load sensing circuit. Comes with a Eaton pressure compensated / load sensing piston pump. Danfoss pressure compensated / load sensing type proportional directional control valves are standard. This later load sense feature saves fuel and helps prevent excessive heat build up.

## WEIGHT

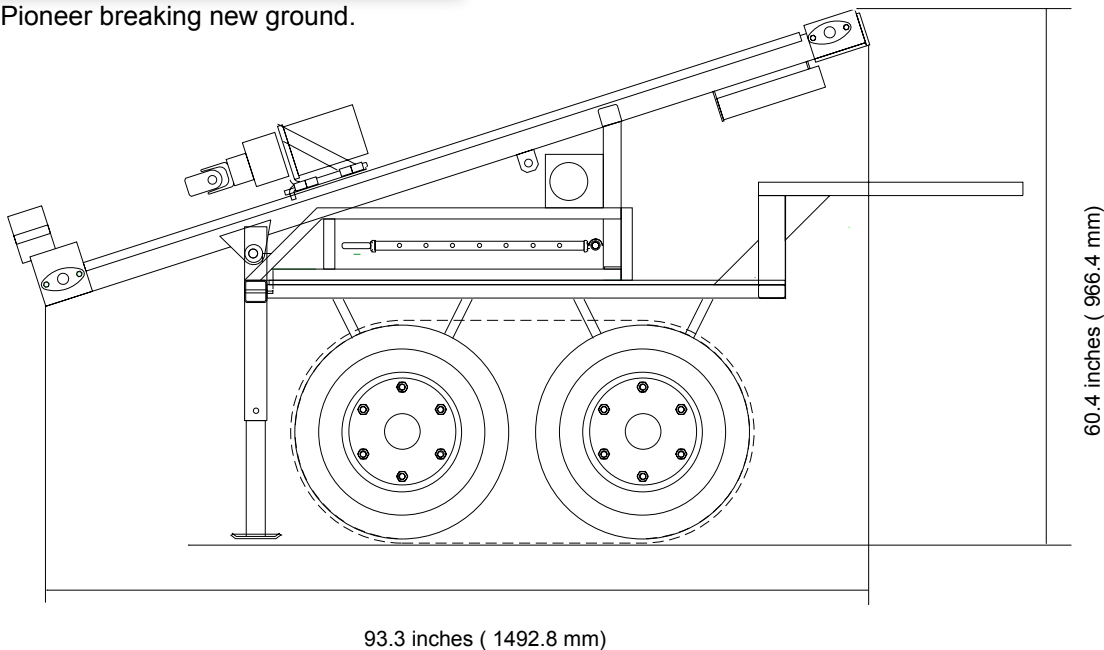
The weight of a basic gasoline engine powered drill without a carrier is approximately 600 lbs (273 Kg)



## OPTIONAL EQUIPMENT

- Diesel engine
- Longer feed strokes
- Subs and drive adapters
- Centralizer bowl bushings for various auger and pipe diameters
- Goose neck fifth wheel trailer
- Bush trail skids
- Down hole hammer tooling and air packages
- Coring head and water pump packages
- Overburden sampling systems
- Tow carriers

The Pioneer breaking new ground.



Performance ratings are based on engineering specifications, calculations and accepted industry standards. Capacities may vary according to drilling conditions. The drawing and photographs are for illustrative purposes only. Multi-Power Products Ltd. reserves the right to amend these specifications at any time, without notice.



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