

MCLAUGHLIN® PIT LAUNCH DIRECTIONAL DRILL



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BY MCLAUGHLIN®

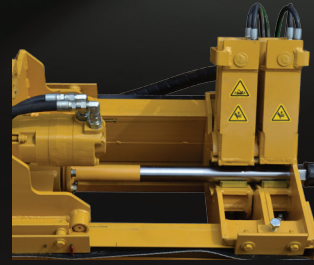
*MCLAUGHLIN*®



## Pit Launch Directional Drill MCL 10H

1. The MCL 10H fits into a tight footprint with both a 7 foot (214 CM) and compact 5 foot (153 CM) models. The MCL 10H is an ideal drill for installing water and gas services for projects with set- back restrictions. With the MCL 10H the bore is started at desired depth and the Drill can be set at grade to start the bore on target.
2. The MCL 10H has a great power to footprint ratio for installations up to 12" (30CM) in diameter. This Pit Launch Drill has 1,030 ft\*lbs(1,392 Nm) of torque and 13,250 lbs(5,895 kg) of pullback force.

### Features



#### Retractable hydraulic vices

1. The fully hydraulic vices provide fast and reliable rod assembly and disassembly with ease of operation.
2. Retractable vice assembly provides docking for drill head assembly and back reamers.



#### Operator station

1. Fully Hydraulic operator controls are simple and reliable for thrust, pullback and vice operation.
2. Remote throttle and emergency stop as well as water controls are conveniently placed on the operator control station.

### Specifications

Maximum Pressure:	2500 psi (170 BAR)
Maximum Flow:	25 GPM (95LPM)
Spindle Speed:	0-125 RPM
Forward Thrust @ 2,500 psi:	17,670 lbs (7,860 kg)
Pullback @ 2,500 psi:	13,250 lbs (5,895 kg)
Spindle Torque @ 2,500 psi:	1,030 ft. * lbs. (1,392 Nm)

### Dimensions/Weights

	5' Version	7' Version
Width:	45" (114 cm)	45" (114 cm)
Length:	60" (153 cm)	84" (214 cm)
Overall Height:	51" (130 cm)	51" (130 cm)
Drill Height:	26" (66 cm)	26" (66 cm)
Weight:	1,100 lbs. (500 kg)	1,200 lbs. (545 kg)
Drill Centerline:	12.25" (31 cm)	12.25" (31 cm)

### Drill Rods Firestick 1

	5' Version	7' Version
Length:	28" (71 cm)	48" (122 cm)
Diameter - Joint:	1.88" (4.8 cm)	1.88" (4.8 cm)
Diameter - Tube:	1.5" (3.8 cm)	1.5" (3.8 cm)
Weight:	15 lbs. (7 kg)	19 lbs. (9 kg)





### MCL 230P – High Pressure Mud System

The MC230P quickly mixes and delivers both Polymer or Bentonite to the MCL 10 Pit Launch Drill. Additives are mixed with fresh water is accomplished using a hydraulically driven high speed impeller. The on board Triplex Ceramic Plunger Pump delivers fluid at 6 GPM @ 1000 psi (22,7 Lpm @ 69 bar) for both HDD applications as well as providing fluid mixtures to Pipe Ramming or Auger Boring jobsite applications.

#### Specifications

Engine:	12HP (8.9 kw) Kohler Gasoline Engine, electric start
Pump:	Multiple Piston 6GPM @ 1000psi (22.7 Lpm @ 69 bar)
Water Tank:	230 Gallon (870 L)
Mixing System:	Completely self-contained, hydraulic
Weight:	830 lbs (376 Kg)
Dimensions:	69" Long X 51.5" Wide X 50.5" Height (175 cm x 131 cm x 128 cm)



### MCL 3000 Hydraulic Powerpack

- Standard with full automatic remote throttle and remote emergency stop
- 30 HP Kubota Diesel Engine
- Central lifting point for easy loading
- Gauge package includes pressure, engine indicators, hour meter and fuel level at a glance

#### Specifications

Engine:	30 hp Kubota V1505 diesel engine
Pump:	Gear type, fixed displacement, 18 GPM (68 LPM) max, 2500 psi (172 BAR) max operating pressure
Reservoir:	35 gal (132.5 L) capacity with intake and return line filters
Dimensions/Weights:	42" (107cm) wide x 42" (107cm) long x 42" (107cm) high - 1,100 lbs. (499kg)

The logo features the word "McLAUGHLIN" in a bold, italicized, orange font with a white outline. The letters are set against a dark background with a faint grid pattern and a glowing yellow world map centered behind the text. A horizontal line is positioned below the main text.

***McLAUGHLIN***®

***Providing Solutions Since 1921***

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