



MODEL D30HD-230 MICHAEL BYRNE EXTREME HEAVY DUTY

Michael Byrne Manufacturing Co, Inc.

EARTHBORING MACHINE



Michael Byrne Manufacturing is now offering the most powerful 30" horizontal-boring machine in its class. The D30HD-600 like all of our machines is designed for the severest duty imaginable.

This machine puts out 230,907 Lbs. of thrust and 43,355 Ft-Lbs. of torque making it the most powerful 30" machine on the market.

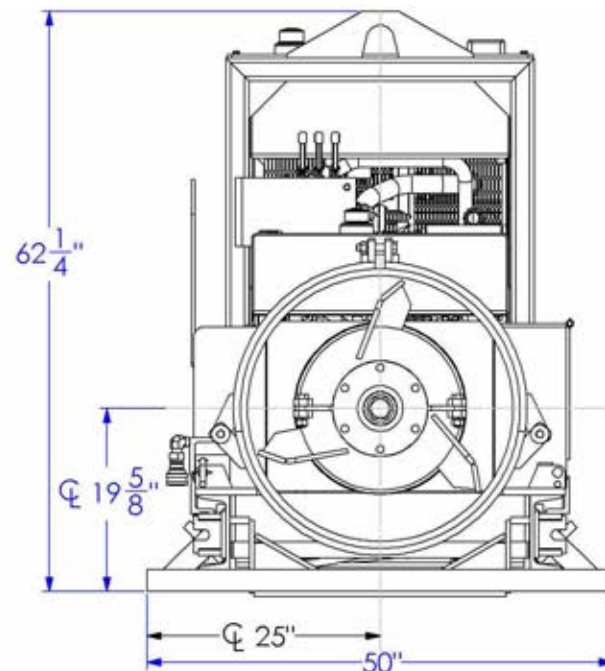
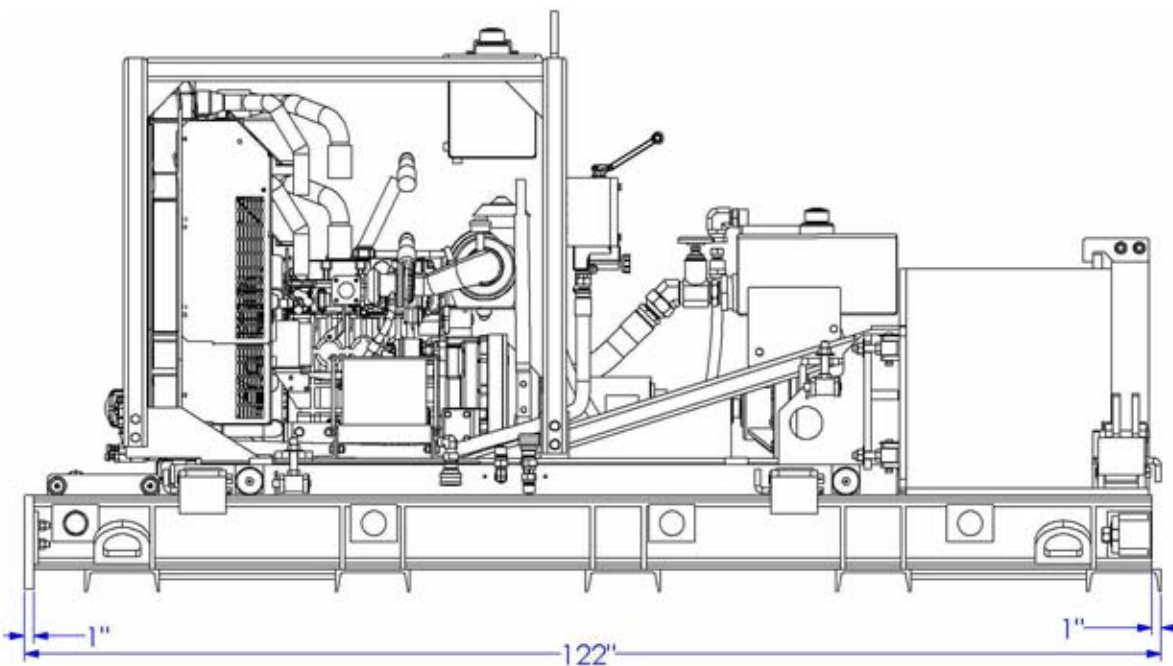
Our machine uses a 65 HP Caterpillar (or customer choice of engine) 4 cylinder engine coupled to a 4-speed transmission and the exclusive Michael Byrne Manufacturing planetary gearbox. Our planetary gearbox is specifically designed for boring machines. Handling the severest shock loads, surpassing any of our competitor models. Also included is a thrust package protecting the complete drive train.

The gear pump supplies 31 Gpm to two hydraulic cylinders with a max pressure of 3,000 psi.

Our tracks are connected together by heavy duty quick-disconnect track connectors. Michael Byrne designed heavy box constructed frames, for severe conditions to keep proper alignment for successful bores. This machine is a split base design for easy lifting in and out of pits.

All machine gauges and warning lights are in operators' view of sight for easy operation. Also included is an emergency switch for total machine shut down.

MODEL D30HD-230 MICHAEL BYRNE EXTREME HEAVY DUTY EARTHBORING MACHINE



Power Train System

Engine: Cat 65 HP @ 2400 Rpm

Fuel Capacity: 10.5 U.S. Gallons

TRANSMISSION: T-18

1st Gear	6.32:1
2nd Gear	3.09:1
3rd Gear	1.69:1
4th Gear	1.00:1
Reverse	7.44:1

Planetary Gearbox Ratio 49 : 1

Auger Drive: 3" or 4" Hex

Working Range: 12" to 30" Earth Boring ; Pipe Jacking

Machine Torque and Speed Max

1st Gear	43,355 Ft-Lbs (520,260 In-Lbs),	5.5 RPM
2nd Gear	21,197 Ft-Lbs (254,364 In-Lbs),	11.22 RPM
3rd Gear	11,593 Ft-Lbs (139,116 In-Lbs),	20.52 RPM
4th Gear	6,860 Ft-Lbs (82,320 In-Lbs),	34.69 RPM
Reverse	51,038 Ft-Lbs (612,456 In-Lbs),	4.67 RPM

Hydraulic System

Pressure	3,000 PSI
Pump Type	Gear Pump
Gallon per Minute	31 GPM
Cylinders	Two 7" Bore x 36" Stroke 2 Cylinder Max Thrust 230,907 Lbs

Return Filter 10 Micron Replaceable Element

Weights (Approx.)

Bottom Base Assembly	2,020 Lbs.
Top Base Assembly	2,800 Lbs.
Master Ring Assembly	725 Lbs.
Master Track	1,100 Lbs.

Dimensions

Centerline of Bore to Bottom of Track	: 19 1/8"
Machine Height	: 48"
Machine Width	: 44"
Base Track Length	: 10' 2"