



## MODEL D24-115 MICHAEL BYRNE EARTHBORING MACHINE

Michael Byrne Manufacturing



Michael Byrne Manufacturing is now offering the 24" horizontal-boring machine. The D24-115 like all of our machines is designed for the severest duty imaginable.

This machine puts out 115,000 Lbs. of thrust and 8,049 Ft-Lbs. of torque.

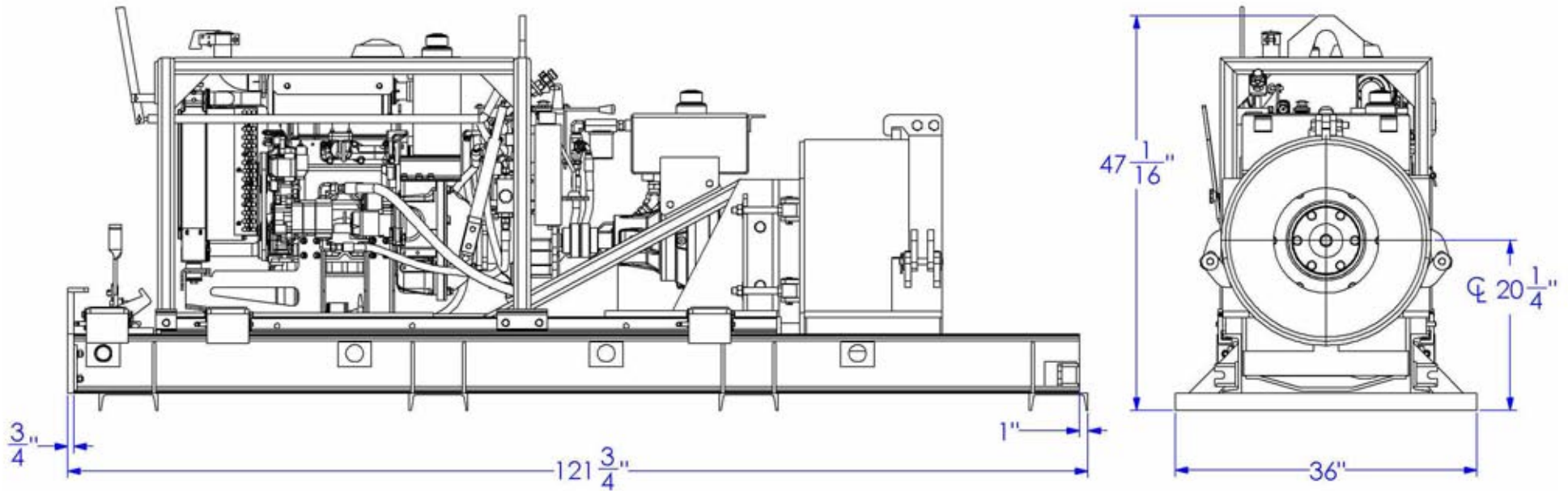
Our machine uses a 31 HP Water Cooled Diesel engine 3 cylinder engine coupled to a 4-speed transmission and the exclusive Michael Byrne Manufacturing planetary gearbox. Our planetary gearbox is specifically designed for boring machines. Handling the severest shock loads, surpassing any of our competitor models. Also included is a thrust package protecting the complete drive train.

The gear pump supplies 14 Gpm (2 Speed 7+7) to one 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.

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 D24-115 MICHAEL BYRNE EARTHBORING MACHINE



## Power Train System:

Engine: Diesel Engine Water Cooled 36 HP @ 3,000 Rpm ; Max Torque 81 Ft-Lbs @ 800 rpm

Fuel Capacity: 4 U.S. Gallons

## TRANSMISSION: T-18

### RATIOS

1st Gear	3.98:1
2nd Gear	2.14:1
3rd Gear	1.42:1
4th Gear	1.00:1
Reverse	Yes

Planetary Gearbox Ratio 36.61 : 1

Auger Drive: 2 1/4" or 3" Hex

Working Range: 8" to 24" Earth Boring

## Machine Torque and Speed Max

Transmission Ratios	Planet Drive Ratio	Max Torque Ft-Lbs	Max Torque In-Lbs	Output Rpm
1st Gear 3.98	38.6	11,467	137,601	11.72
2nd Gear 2.14	38.6	6,166	73,986	21.79
3rd Gear 1.42	38.6	4,091	49,094	32.84
4th Gear 1.00	38.6	2,881	34,573	46.63

## Hydraulic System

Pressure	3,000 PSI
Pump Type	Gear Pump
Gallon per Minute	16 Gpm
Cylinders	One 7" Bore x 36" Stroke
	115,453 Max Thrust
Return Filter	10 Micron Replaceable Element

## Weights (Approx.)

Bottom Base Assembly	2,250 Lbs.
Master Ring Assembly	350 Lbs.
Master Track	593 Lbs.

## Dimensions

Centerline of Bore to Bottom of Track	: 20-1/4"
Machine Height	: 47"
Machine Width	: 36"
Base Track Length	: 10' 2"