



MODEL D36-500 MICHAEL BYRNE EARTHBORING MACHINE

Michael Byrne Manufacturing Co, Inc.

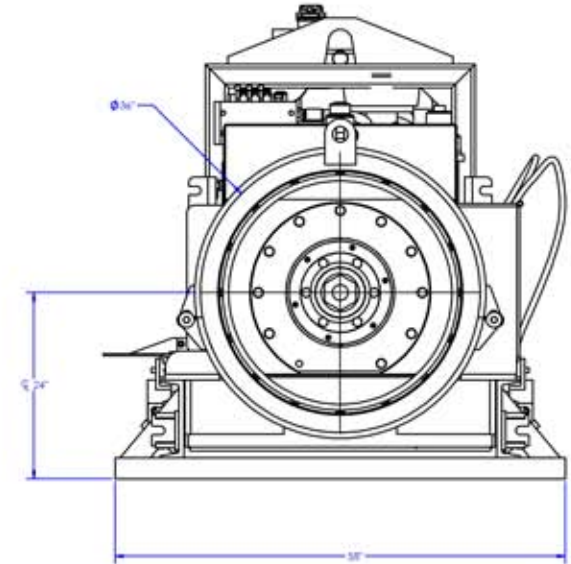
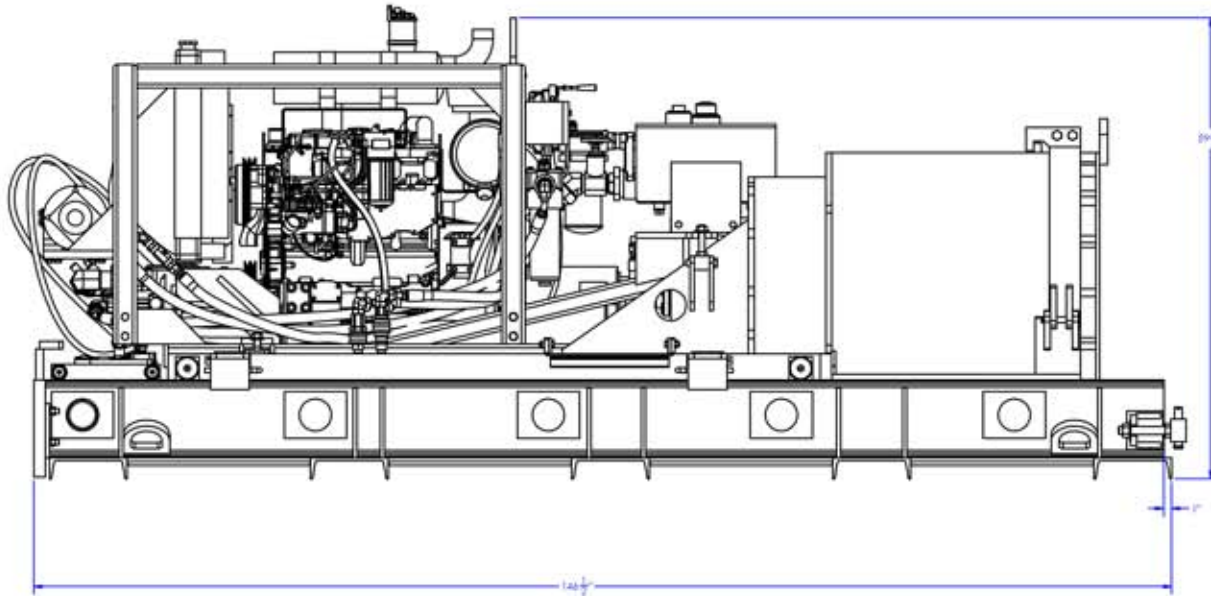


Purchasing a D36-500 definitely advances the underground contractor to the next level of horizontal earth boring.

Pound for pound the D36-500 is the best in the business.

Let our D36, with its many exclusive Michael Byrne labor and time saving features go to work for you.

MODEL D36-500 MICHAEL BYRNE EARTHBORING MACHINE



Power Train System

Engine: Cat 97Hp @ 2200 Rpm water cooled.

Fuel Capacity: 11 U.S. Gallons

TRANSMISSION: T-18

RATIOS

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 90-110-150s Extreme Heavy Duty Triple Planetary 84 : 1 Ratio

Auger Drive: 3" or 4" Hex

Working Range: 12" to 36" Earth Boring ; Pipe Jacking

Optional : Lift Package to do 48" Bores

Machine Torque and Speed Max

1st Gear 116,788 Ft-Lbs (1,401,464 In-Lbs) , 4.14 RPM
 2nd Gear 57,100 Ft-Lbs (685,209 In-Lbs) , 8.47 RPM
 3rd Gear 31,230 Ft-Lbs (374,759 In-Lbs) , 15.49 RPM
 4th Gear 18,479 Ft-Lbs (221,751 In-Lbs) , 26.19 RPM
 Reverse 137,485 Ft-Lbs (1,649,724 In-Lbs) , 3.52 RPM

Hydraulic System

Pressure 3,000 PSI
 Pump Type Gear Pump
 Gallon per Minute 32 Gpm
 Cylinders Four 7" Bore x 36" Stroke
 Ball valve provided to shut-off 2 cylinders for faster operation.
 4 Cylinder Max Thrust 500,000 Lbs/2 Cylinder Max Thrust 250,000 Lbs

Cylinder Speed Control Valve 0-32 Gpm

Return Filter 10 Micron Replaceable Element

Heavy Duty Hydraulic Oil Cooler : Oil cooling provided to allow optimize performance of machine in extreme conditions.

Weights (Approx.)

Bottom Base Assembly 4,300 Lbs.
 Top Base 4,150 Lbs.
 Master Ring Assembly 1,024 Lbs.
 Master Track 1,808 Lbs.

Dimensions

Centerline of Bore to Bottom of Track : 24"
 Machine Height : 69"
 Machine Width : 58"
 Base Track Length : 12' 1 1/2"

Centerline of Bore to Bottom of Track (48" Spacer Kit) : 29 1/2"