The D72/84-2.5M-B19 has set the new standard for extreme-duty machines designed and manufactured by Michael Byrne, with more push, more torque, and more horsepower than any machine in its class.

The 72/84 definitely sets the contractor from the rest of the pack with capabilities that few can claim.

The exclusive B19 gearbox was designed by Michael Byrne Mfg with an auger boring machine in mind. The B19 comes with thrust and radial severe duty package to insure long life and maximum torque throughput.

The gearbox is the heart of the machine and should be your most trusted part. You are counting on that gearbox when you are out 300 feet and need that last 40 feet to complete your project.

Our gear drives don’t just start bore jobs, or get stuck, our gear drives finish Bores!
MODEL D72/84-2.5M-B19 MICHAEL BYRNE EXTREME HEAVY DUTY
AUGER BORING AND JACKING MACHINE

Power Train System
Engine: CAT/John Deere 350 HP (261 Kw) @ 1800 Rpm @ Max Torque of 1,094 Ft Lbs (1,483Nm)

Fuel Capacity: 62 U.S. Gallons (234.7 liters)

TRANSMISSION: Eaton Fuller
1st Gear DO NOT USE!!!
2nd Gear 8.19
3rd Gear 6.05
4th Gear 4.46
5th Gear 3.34
6th Gear 2.48
7th Gear 1.83
8th Gear 1.36
9th Gear DO NOT USE!!!
10th Gear DO NOT USE!!!
Reverse DO NOT USE!!!
Reverse 2.72

Planetary Gearbox Ratio 51.44 : 1
Auger Drive: 5" Hex (12.7 cm)
Working Range: 24" to 84" Earth Boring; Pipe Jacking (lift kits to 54" or 60" available)

Machine Torque and Speed Max
Transmission Ratios | Planet Drive Ratio | Max Torque Ft-Lbs | Max Torque N-M | Output Rpm
--- | --- | --- | --- | ---
1st Gear | 11.06 | 51.44 | 416,866 | 562,448 | 4.27
2nd Gear | 8.19 | 51.44 | 306,419 | 413,484 | 5.76
3rd Gear | 6.05 | 51.44 | 225,889 | 304,291 | 7.85
4th Gear | 4.46 | 51.44 | 169,145 | 223,375 | 10.48
5th Gear | 3.34 | 51.44 | 125,667 | 179,314 | 14.11
6th Gear | 2.48 | 51.44 | 92,864 | 121,675 | 19.12
7th Gear | 1.83 | 51.44 | 68,881 | 93,398 | 25.73
8th Gear | 1.36 | 51.44 | 52,646 | 72,675 |
9th Gear | 1.09 | 51.44 | DO NOT USE!!! |
10th Gear | 0.75 | 51.44 | DO NOT USE!!! |
Reverse | 12.12 | 51.44 | 137,762 | 186,756 | 12.46
Reverse | 2.72 | 51.44 | DO NOT USE!!! |

Hydraulic System
Pressure 5,500 PSI (379.3 Bar)
Pump Type Axial Piston with Load Sensing
Gallon per Minute 63 GPM (238.5 Liters)
Cylinders Four 12" (30.48 cm) Bore x 36" (91.44 cm) Stroke
4 Cylinder Max Thrust 2,488,141 Lbs (11,067,148N) / 2 Cylinder Max Thrust 1,311,929 Lbs (5,835,722 N)
Suction Strainer 140 Mesh Screen
Pressure Filter 10 Micron Replaceable Element
Return Filter 10 Micron Replaceable Element
Heavy Duty Hydraulic Oil Cooler: Oil cooling provided to allow optimized performance of machine in extreme conditions.

Weights (Approx.) (US Customary Units)
Bottom Base Assembly 24,197 Lbs.
Top Base Assembly 24,460 Lbs.
Master Ring Assembly 5,944 Lbs.
Master Track 11,800 Lbs.
Extra Track (20 Ft.) 11,100 Lbs.
Extra Track (10 Ft.) 6,300 Lbs.

Weights (Approx.) (Metric Units)
Bottom Base Assembly 10,976 Kg
Top Base Assembly 11,095 Kg
Master Ring Assembly 5,352 Kg
Master Track 5,352 Kg
Extra Track (20 Ft.) 5,035 Kg
Extra Track (10 Ft.) 2,858 Kg

Dimensions (US Customary Units)
Centerline of Bore to Bottom of Track: 43.81"
Machine Height: 102"
Machine Width: 101"
Base Track Length: 20 Ft

Dimensions (Metric Units)
Centerline of Bore to Bottom of Track: 111.2 cm
Machine Height: 259.1 cm
Machine Width: 256.54 cm
Base Track Length: 6.09 m