



MODEL D72/84-2.5M-B19 MICHAEL BYRNE EXTREME HEAVY

Michael Byrne Manufacturing Co, Inc.

COMBINATION AUGER BORING AND JACKING MACHINE



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

**Call us today
800.613.7206**

The D72/84-2.6-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.

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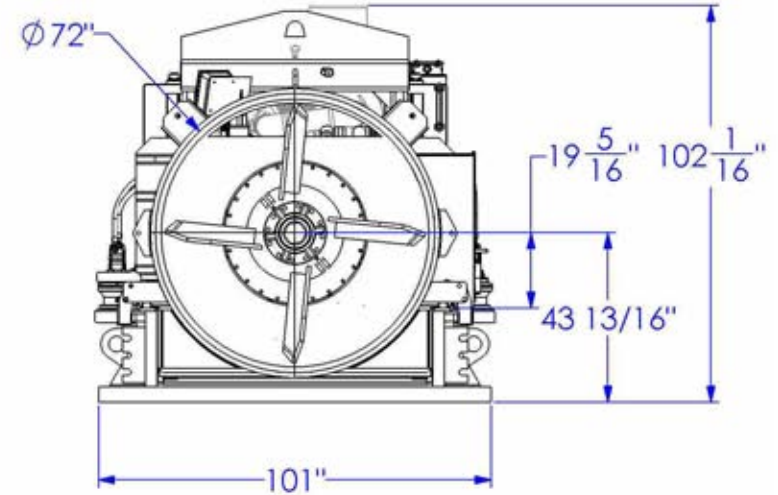
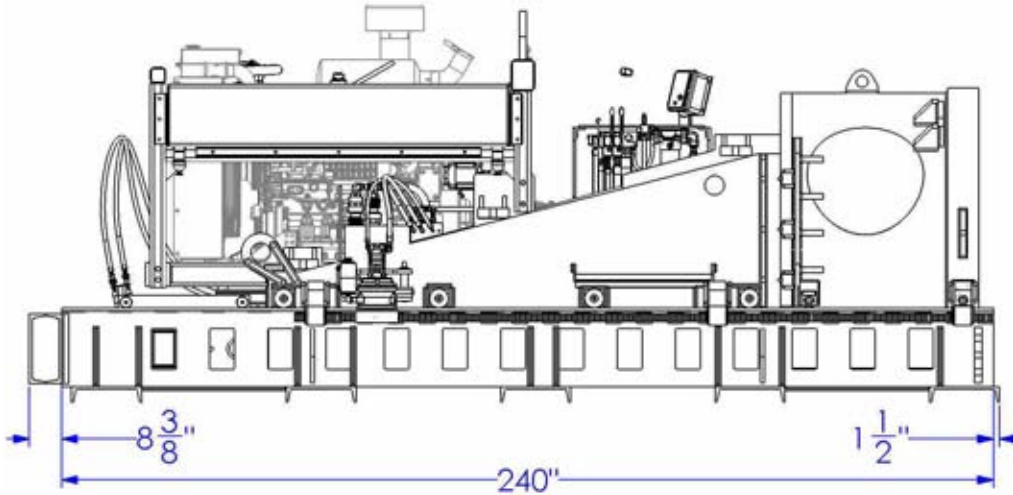
The exclusive B19 gearbox was designed by Michael Byrne Mfg with an auger boring machine in mind. The B19 comes with thrust and radial severe duty package to insure long life and maximum torque throughput.

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 (1,483 Nm)

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	DO NOT USE!!!		
2nd Gear 8.19	51.44	414,806	562,448	4.27
3rd Gear 6.05	51.44	306,419	415,484	5.78
4th Gear 4.46	51.44	225,889	306,291	7.85
5th Gear 3.34	51.44	169,164	229,375	10.48
6th Gear 2.48	51.44	125,607	170,314	14.11
7th Gear 1.83	51.44	92,686	125,675	19.12
8th Gear 1.36	51.44	68,881	93,398	25.73
9th Gear 1.00	51.44	DO NOT USE!!!		
10th Gear 0.75	51.44	DO NOT USE!!!		
Reverse 12.12	51.44	DO NOT USE!!!		
Reverse 2.72	51.44	137,762	186,796	12.86

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 (11,067,748N) / 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

Dimensions (US Customary Units)

Centerline of Bore to Bottom of Track : 43.81"

Machine Height : 102"

Machine Width : 101"

Base Track Length : 20 Ft

Weights (Approx.) (Metric Units)

Bottom Base Assembly 10,976 Kg

Top Base Assembly 11,095 Kg

Master Ring Assembly 2,696 Kg

Master Track 5,352 Kg

Extra Track (20 Ft.) 5,035 Kg

Extra Track (10 Ft.) 2,858 Kg

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