



Michael Byrne Manufacturing Co, Inc.

MODEL H12-35 MICHAEL BYRNE EXTREME HEAVY DUTY

EARTH BORING MACHINE



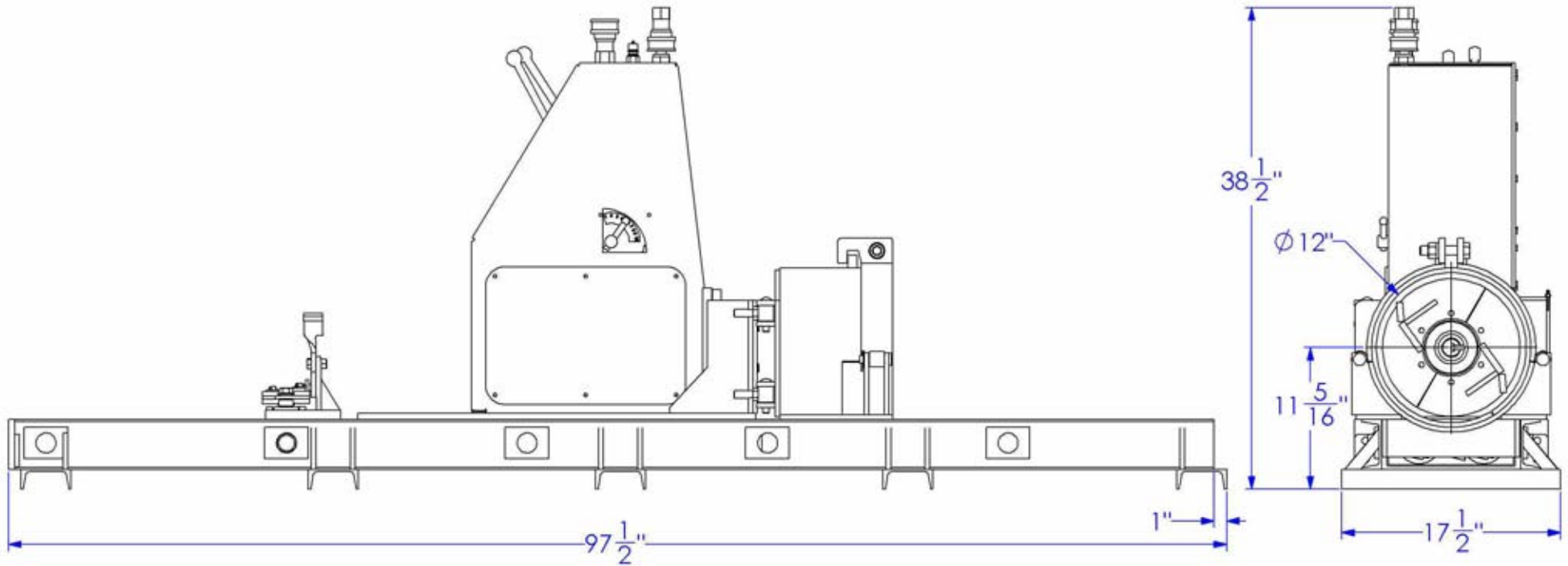
Michael Byrne Manufacturing is now offering the small but powerful H12-35. This newly designed H12 is for small bores in areas where space is restricted. The auger is driven by a planetary gear drive, designed to take the heaviest of shock loads. The planetary gear drive produces a max torque of 1,525 Ft-Lbs. (18,300 In-Lbs.)

To handle the heavy thrust loads is thrust and radial bearing package, this protects the gear drive and adds to longevity of the boring machine. A flow control valve tied into the hydraulic circuit gives the operator infinite speeds for every boring condition. Also exclusive to the machine is an automatic push block and quick disconnect track connectors. Casing adapters available for standard casing and electric conduit.

The frame is made of heavy structural steel and designed box construction, to handle the severest conditions. Two 3" bore cylinders produce 35,000 Lbs. of thrust. The machine is single base totally hydraulic and compact enough to fit in the back of a pickup truck.

A 47-50 HP power unit gives the machine the extra power required for tough bores. The power unit can be left at top of trench eliminating noise and fumes in the pit. The hydraulic system is supplied by 18-gpm gear pump. The power unit is self-contained electric start and also can be used for other hydraulic tools and equipment.

MODEL H12-35 MICHAEL BYRNE EARTH BORING MACHINE



Power Train System

Engine: 47-50 HP Diesel Engine Water Cooled With Hydraulic Oil Cooler(optional)

Fuel Capacity:

TRANSMISSION:

Planetary Gearbox Ratio 36 : 1

Auger Drive: 1 5/8" or 1 3/8" Hex
Working Range: 2" to 12" Earth Boring

Machine Torque and Speed Max 1,525 Ft-Lbs. (18,300 In-Lbs.), 0-70 RPM

Hydraulic System

Pressure	3,000 PSI
Pump Type	Gear Pump
Gallon per Minute	18.2 Gpm
Cylinders	(3) 3" Bore x 24" Stroke Max Thrust 35,000 Lbs.
Suction Strainer	140 Mesh Screen
Pressure Filter	10 Micron Replaceable Element
Return Filter	10 Micron Replaceable Element

Weights (Approx.)

Bottom Base Assembly	622 Lbs.
Master Ring Assembly	85 Lbs.
Master Track	150 Lbs.

Dimensions

Centerline of Bore to Bottom of Track	: 11.31"
Machine Height	: 38.50"
Machine Width	: 17.50"
Base Track Length	: 96"