

Power Train System

Engine: Cummins QSB4 T4Fi 120Hp @ 2200 Rpm Water cooled.

Fuel Capacity: 28 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 B10-B10 Extreme Heavy Duty Double Planetary 47.25 : 1 Ratio
With Push Pull Thrust Bearing Package.

Auger Drive: 3" or 4" Hex & 5" Hex
Working Range: 12" to 42" Earth Boring ; Pipe Jacking

Machine Torque and Speed Max

Transmission Ratios	Planet Drive Ratio	Max Torque Ft-Lbs	Max Torque In-Lbs	Output Rpm
1st Gear 6.32	47.25	93,134	1,117,603	6.03
2nd Gear 3.09	47.25	45,535	546,423	12.33
3rd Gear 1.69	47.25	24,904	298,853	22.54
4th Gear 1.00	47.25	14,736	176,836	38.10
Reverse 7.44	47.25	109,638	1,315,660	5.12

D42-700

MICHAEL BYRNE MANUFACTURING

1855 EARTH BORING RD., PO BOX 444 MANSFIELD, OH 44901

www.byrnegroup.com

Office: (419)525-1214

Toll Free: (800) 613-7206

Fax: (419)525-2389

Weights

Top Base : 8,400 Lbs/3,820 KG

Bottom Base : 8,600 Lbs/3901 KG

Master Track : 4,250 Lbs/1,927 KG

Extra Track : 2,600 Lbs/1,179 KG

Master Ring : 2,150 Lbs/975 KG

Hydraulic System

Pressure 5,300 PSI

Pump Type Piston Pump with Load Sensing

Gallon per Minute 38 GPM

Cylinders (2) 9" Bore x 36" Stroke 2 **Cylinder Max Thrust 700,000 Lbs**

Pressure Filter 10 Micron Replaceable Element

Return Filter 10 Micron Replaceable Element

MICHAEL BYRNE MANUFACTURING

MBM

international

