

Power Train System

Engine: 365 HP@2100 RPM Water Cooled Cummins QSL9 ; Peak Torque 1,113 Ft Lbs @ 1500 Rpm
 Fuel Tank Capacity: 80 U.S. Gallons

FRO-14210C TRANSMISSION

RATIOS
 1st Gear 12.69:1 6th Gear 2.59:1
 2nd Gear 9.29:1 7th Gear DO NOT USE
 3rd Gear 6.75:1 8th Gear DO NOT USE
 4th Gear 4.90:1 9th Gear DO NOT USE
 5th Gear 3.62:1 10th Gear DO NOT USE
 R-Hi 2.81:1 R-Lo 13.75:1

Planetary Gearbox Ratio: Michael Byrne B-19 B-16 Ratio 23.36 : 1 ; Push-Pull Thrust Bearing Package

Auger Drive: 5" Hex
 Working Range: 24" to 72" 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	12.69	23.36	329,936	3,959,231	4.72
2nd Gear	9.29	23.36	241,537	2,898,444	6.45
3rd Gear	6.75	23.36	175,498	2,105,974	8.88
4th Gear	4.90	23.36	127,398	1,528,781	12.23
5th Gear	3.62	23.36	94,119	1,129,426	16.56
6th Gear	2.59	23.36	67,339	808,070	23.14
7th Gear	----	----	----	DO NOT USE	----
8th Gear	----	----	----	DO NOT USE	----
9th Gear	----	----	----	DO NOT USE	----
10th Gear	----	----	----	DO NOT USE	----
Reverse Hi	2.69	23.36	72,799	873,589	4.36
Reverse Lo	13.75	23.36	357,496	4,289,947	5.8

D72/84-1.9 MEGA

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Hydraulic System

Pressure 5,800 PSI
 Pump Type Axial Piston with Load Sensing
 Gallon per Minute 68 GPM
 Cylinders Five 9" Bore x 36" Stroke , Max Thrust 1,900,000 Lbs ;
 3 Cylinder Max Thrust 1,106,988

Suction Strainer 100 Mesh Screen
 Pressure Filter 10 Micron Replaceable Element
 Return Filter 10 Micron Replaceable Element
 Heavy Duty Hydraulic Oil Cooler

ESTIMATED WEIGHTS :

TOP BASE ASSY : 20,500 LBS/9,299 KG
 BOTTOM BASE ASSY : 21,700 LBS/9,843 KG
 MASTER RING ASSY : 6,300 LBS/2,858 KG
 MASTER TRACK : 8,600 LBS/3,901 KG
 EXTRA TRACK : 4,600 LBS/2,086 KG
 MASTER SADDLE : 800 LBS/ 362 KG

