

POWER TRAIN SYSTEM

- ENGINE: JOHN DEERE 140 HP 4045 FINAL TIER 4
2200 RPM, 398 FT/LBS TORQUE @ 1600 RPM

FUEL CAPACITY

- 50 U.S. GALLONS

TRANSMISSION:

- FS-4205A

RATIOS:

- 1ST GEAR: 8.05:1
- 2ND GEAR: 4.35:1
- 3RD GEAR: 2.45:1
- 4TH GEAR: 1.48:1
- 5TH GEAR: 1.00:1
- REVERSE: 8.06:1

PLANETARY GEARBOX:

- RATIO 54.2:1

AUGER DRIVE:

- 4" & 5" HEX

WORKING RANGE:

- WORKING RANGE: 16" TO 48" EARTH BORING; PIPE JACKING

Options:

- BRAKE/DRIVE SYSTEM (SHOWN)
- AKKERMAN GUIDED BORE "READY" (NOT SHOWN)

MACHINE TORQUE AND SPEED MAX:

TRANSMISSION RATIOS	PLANET DRIVE RATIO	MAX TORQUE, 400 FT-LBS @1600 RPM	OUTPUT @2200 RPM
1ST GEAR 8.05	54.2	173,600 FT-LBS	5.0
2ND GEAR 4.35	54.2	93,800 FT-LBS	9.3
3RD GEAR 2.45	54.2	52,800 FT-LBS	16.5
4TH GEAR 1.48	54.2	31,900 FT-LBS	27.4
5TH GEAR 1.00	54.2	21,500 FT-LBS	40.5
REVERSE 8.05	54.2	173,800 FT-LBS	5.0

D42/48-950

MICHAEL BYRNE MANUFACTURING

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APPROX. WEGHTS:

- TOP BASE.....10,330LBS
- BOTTOM BASE.....11,730 LBS
- MASTER TRACK.....5,460 LBS
- EXTRA TRACK.....2,940 LBS
- MASTER RING (42)...2,300 LBS
- MASTER RING (48)...2,460 LBS
- MASTER SADDLE.....400 LBS

HYDRAULIC SYSTEM

- PRESSURE.....5,000 PSI
- PUMP TYPE AXIAL PISTON WITH LOAD SENSING
- 2x PUMP, 26.2 GPM
- GALLON PER MINUTE.....52.3 GPM
- CYLINDERS (3) 9" BORE X 36" STROKE
- SUCTION STRAINER...100 MESH SCREEN
- PRESSURE FILTER.....10 MICRON REPLACEABLE ELEMENT
- RETURN FILTER.....10 MICRON REPLACEABLE ELEMENT
- HEAVY DUTY HYDRAULIC OIL COOLER
- MAX THRUST.....954,200 lbs.

AKKERMAN GUIDED BORE ATTACHMENT

- ASSEMBLY WEIGHT.....4,500 LBS
- CYLINDER STROKE48"
- OPERATING PRESSURE (MAX)..5,000 PSI
- OPERATING GRADE (MAX).....10%
- ROTATIONAL TORQUE**10,500 ft-lbs
- JACKING FORCE.....100 TON
- PULL BACK FORCE.....50 TON
- HYDRAULIC MOTOR...THREE SPEED
- HIGH SPEED....50 RPM
- MID SPEED.....37 RPM
- LOW SPEED....25 RPM

****OUTPUT TORQUE IN LOW SPEED @5000 PSI**

