

SPECIFICATIONS FOR HEAVY DUTY MID MOUNT DITCH MOWER

| SPECIFICATION REQUIRED | COMPLY | EXCEPTIONS / DEVIATIONS |
|---|----------|-------------------------|
| <u>GENERAL</u> | YES / NO | |
| It is the purpose of the following specifications to describe a hydraulic driven ditch mower. Mowing is forward and right of the right rear tire. This unit shall interchange with any of the following: 60" rotary brush head, 72" rotary head, 60" flail head, & 76" flail head. The unit shall be manufactures heaviest duty model available. All deviations must be spelled out and explained in full. | | |
| <u>MAIN FRAME</u> | | |
| Main frame shall be constructed of 4" x 4" x 1/2" structural steel angle. | | |
| Main frame shall have heavy duty brace to back axle on right side of tractor. | | |
| Main frame shall be attached to tractor using grade 8 bolts. | | |
| <u>LINKAGE ARM</u> | | |
| Shall be constructed of 5" x 5" x 3/8" structural steel tubing with 50,000 psi tensile strength. | | |
| Hydraulic rams shall be welded industrial type 4" diameter with 1-3/4" diameter rod. | | |
| Linkage arm pivots shall have 1-1/2" grease able & replaceable hardened steel bushings with a Rockwell hardness of C50. | | |
| Linkage arm pivot pins shall be 1-1/2" 100,000 psi. tensile strength steel case hardened to a Rockwell hardness of C50 | | |
| <u>HYDRAULICS</u> | | |
| Reservoir shall be 65 gallon walk over style and equipped with in tank filter rated at 75 G.P.M., 10 micron element. Tank shall have shut off valve on suction line. | | |
| Pump shall be front mounted tandem steel gear type with heavy duty drive line. | | |
| Pump shall be 37 G.P.M. @ 2,200 RPM @ 2700 PSI for mower drive and 9 G.P.M. @ 2,200 RPM @ 2000 PSI for control valve. | | |
| Suction hose shall be 2" inside diameter. Pressure hose shall be 1" inside diameter rubber hose rated at 3000 PSI working pressure. | | |

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| All hydraulic fittings shall be o-ring / JIC type. | | |
| <u>MOWER VALVE</u> | | |
| Mower on / off valve shall be electric controlled with hydraulic brake feature for shut down, & starter lock out | | |
| <u>MOWER CONTROL VALVE</u> | | |
| Shall be 2 bank tapered spool hydraulic with morse cable controls. | | |
| <u>CUTTER HEAD</u> | | |
| Shall be 60" hydraulic drive flail. | | |
| Cutter shaft shall be 4-1/2" O.D. 3/8" wall tubing, with 2-3/16" diameter shaft bearings. | | |
| Cutter shaft shall operate at 2200 R.P.M. | | |
| Cutter head to have 3/8" steel sides & 10 gauge steel top | | |
| Cutter shall have 30 folded cup / 60 all purpose self cleaning reversible knives. | | |
| Rear roller shall be 6" O.D. tubing, with 1-1/4" self aligning bearings. | | |
| Rear roller shall be adjustable from 1/2" to 6" cutting Height. | | |
| Cutter head drive shall be reversible. | | |
| Cutter head shall have rear rubber debris deflector. | | |
| Complete unit shall have one year limited warranty. | | |