

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.		

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 72" (actual) cutting diameter with 2" cutting capacity.		
Housing shall be constructed of 7 gauge grade 50 steel with 3/8" thick sides.		
Shall have full length replaceable wear runners.		
Shall have rubber debris deflector front & back		
Spindle hub shall be heavy duty machined steel.		
Spindle shall be 4-1/2" diameter x 12" length with 2-1/2" inside diameter tapered bearings.		
Spindle shall be constructed of 4140 chrome-molly heat treated steel.		
Shall have 1-1/4" x 6" bar blade carrier.		
Hydraulic motor shall be heavy duty steel gear type.		