

Mow - Master Specifications

BOOM MOWER WITH ROTARY CUTTER HEAD

Boom Mower unit is of heavy duty construction to withstand the stresses of use on rugged terrain. The boom mower is capable of interchanging with 22" Boom Ditcher or 50" Flail Mower Head or Side Mount 60" Rotary Mower.

1. Cutting width - 50 inches.
 2. Skid shoes w/wear plates are replaceable.
 3. 7 1/2" Solid steel spindle, machined to fitness. 11" long with 3 1/4" lower bearing & 2" upper bearing.
 4. Cast steel hydraulic deck motor - gear type.
 5. Minimum spindle speed - 1900 RPM.
 6. Retractable cutter shield (1 pc.) on deck.
 7. Blade carrier disc with 2, 3, 4, or 6 off set knives. - grade #1045 steel 5/8" X 26" with 5/8" grade bolts attaching spindle and using 1 1/8" blade bolts.
 8. Bearing hub is ground and polished. (tighter fit and more bearing life)
 9. Cutting head has 425 degree combined rotation.
 10. All moveable joints smaller than 1 3/4" have steel bushings and replaceable grease zerks.
 11. Cutting head weight 795 lbs.
 12. Hydraulically powered, rotary cutting assembly.
 13. Main control valve - non restrictive, electric solenoid type. Starter lock out switch and hydraulic brake.
 14. Lexon polycarbonate in right rear window and door on right side of cab.
 15. Main frame is mid mounted & braced to front of chassis and rear axle.
 16. 3 hydraulic lift cylinders mounted on top of boom. 2 are double acting, 1 Single acting. Also see accumulator option.
 17. Boom has 2 way hydraulically operated maneuvering cylinder for horizontal movement of cutter head. Cutter head has the capability of moving 26° forward and 28° rearward with limited relief protection and also acts as a safety break-away.
 18. Boom is supported by a hardened plain bearing having not less than 37 sq. inches of bearing area.
 19. Reservoir has a minimum capacity of 65 gallons and equipped with in tank filter rated at 75 GMP, 25 micron element. Reservoir suction and return outlets shall be equipped with ball valves. All sides of tank are open and have unrestricted air flow for cooling.
 20. Hydraulic hoses, 1 1/2" ID suction, 1 1/4" ID return.
 21. Pressure, return and lift system hydraulic steel lines and hoses are mounted at rear of boom arms.
 22. Pump drive shaft from crankshaft of engine rated at 180 HP.
 23. Cast iron hydraulic pump - gear type front engine mounted.
 24. The wall thickness of boom is 1/4" reinforced.
 25. Inner boom is constructed of 6" x 8" rectangular tubing reinforced at all stress points. Outer boom is constructed of 4" x 6" rectangular tubing reinforced at all stress points.
 26. Lift control valve contains 4 tapered spools, metering type with 8 pilot pressure reliefs.
 27. Wheel weight - 1,400 lbs.
 28. Cutter Reach - up to 18' - 6"
 29. Cutter Reach - out to 20' - 6"
 30. Cutter Reach - down to 13' - 6"
 31. Designed and built to pass ANSI testing.
- * Note: Reach specifications may vary depending on tractor model & tire size.
Options: Remote cable control to eliminate hoses in cab (recommended)
Rear PTO pump.
Rear mounted reservoir.
High pressure hydraulic system using 1" hoses.
50" Flail head.
Ditcher head.
60 inch rotary head.
Accumulator in main boom.
Greater cutter head rotation

SIDE MOUNTED MOWERS

1. 36", 50", 60" & 72" cutting widths, rotary, hydraulically driven.
 2. Blades - 2, 3, 4, or 6 full swinging offset.
 3. 7 1/2" solid steel spindle, machined to fitness. 11" long with 3 1/4" lower bearings & 2" upper bearing.
 4. Full length replaceable skid shoes.
 5. Deck 3 piece for easier repair, with 3/8" sidewalls and 3/16" top.
 6. Spindle - mounted in double taper roller bearing seal, with oil bath.
 7. Blade carrier disc with 2, 3, 4, or 6 offset knives - grade #1045 steel, 5/8 x 31 1/2", 60" & 72" decks only, with 5/8" grade 8 bolts attaching to spindle and using 1 1/8" blade bolts.
 8. Cast iron steel motor - gear type.
 9. Direct lift, no cables.
 10. 125" reach from tractor center.
 11. Free - floating linkage on cutting assembly.
 12. Main control valve - nonrestrictive, electric solenoid type. Starter lockout switch and hydraulic brake.
 13. Hoses - 1 1/2" ID suction, 1 1/4" ID return.
 14. Hydraulic reservoir - 65 gallon oil equipped in tank 75 GPM, 25 micron filter with restriction gauge. Tank will have ball valves on suction and return outlets.
 15. Cast iron hydraulic pump - gear type, front engine mounted.
 16. Pump drive shaft from crankshaft of engine rated at 180 HP.
 17. Deck - working ARC 165°.
 18. Replaceable steel bushings all pivot points.
 19. Spindle RPM - 1900 RPM.
 20. Two spool valve, stand and hoses.
 21. Flex coupler between motor and blade spindle and is shielded.
 22. Mower and deck capable of handling 4" material without excessive wear.
 23. Equipped with 4 ply rear guard.
 24. Main frame anchored to rear axle and to from casing.
- Options: Chain guards rear and/or front
(Rear chain guards required for Industrial use.)
Remote cable control to eliminate hoses in cab (recommended)
Rear PTO pump.
High pressure hydraulic system. Using 1 inch hose.
Flail head.
Ditcher head
3/4" blade dish
Stump jumper blade dish

FLAIL HEADS & 3 POINT FLAIL MOWERS

1. Cutter width - 50", 60", 75", 90" or 102".
 2. Cutter Assembly - Hydraulically driven 2,200 RPM.
 3. Cutter Shaft - Dynamically balanced, 6" diameter.
 4. Side Plates - 1/2" wall drive side - 3/8" on outer end both with 2-3/16" bearing carriers.
 5. Knife Swing Circumference - 62 1/2"
 6. Roller - adjustable 0-6" full length tie-rod type, with contoured ends: 6-5/8" diameter with 1-3/8" grease type bearings
 7. Cutter Head - 1/8" bonnet.
 8. Skid Shoes are removable.
 9. Interchangeable with Rotary heads & Ditcher head.
 10. Drive Belt - double C belts, 90 HP rated.
 11. 50" Flail - 52 reversible general purpose knives or 26 H.D. 2-1/2" cup knives.
 12. 60" Flail - 60 reversible general purpose knives or 30 H.D. 2-1/2" cup knives.
 13. 75" Flail - 76 reversible general purpose knives or 38 H.D. 2-1/2" cup knives.
 14. 90" Flail - 96 reversible general purpose knives or 48 H.D. 2-1/2" cup knives.
 15. 102" Flail - 104 reversible general purpose knives or 52 H. D. 2-1/2" cup knives.
- 3 POINT MODELS:** Transmission - bevel gear box
PTO 540
3 Point Cat II

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Mow-Master Package Specials



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MOW-MASTER™

Built To Fit

Mow-Master

Rotary 36", 50", 72"



- Use for grass & brush - Handles up to 4" material.
- All decks interchangeable.

Side Mounted Mowers

Flail 50", 60", 75", 90", 102"



- Deck Lift uses no cables or pulleys.
- Uses Direct Cylinder Lift.

Mow-Master

3- Point Mounted Mowers



- Available as 14, 19, 21, or 23 ft and as a left end mount or right end mount.
- Uses PTO pump, stabilized mounting, stow stands; otherwise conforms to most other specifications of boom mowers



- 3-Point Rigid Flail Deck
- Requires 90" or 102" to overlap Side Mount Mower
- Otherwise 50", 60", 75" Available



Any Brand Tractor

Mow-Master

Ditcher Attachments Boom or Side Mount



- Available as a replacement of Mower Head or complete Assembly

Mow - Master Specifications

Ditcher Head

1. Ditcher head will interchange with mower cutting head on side mount and intermediate Boom, or on end of primary boom on long boom mowers.
2. Cutting width has 22" of actual cut.
3. Cutting assembly as a rotary type, hydraulically driven.
4. Cutting assembly is a steel disk 1/2" thick with 3 gusseted knife mounting pads and 3 gusseted clean up mounting pads attached.
5. Cutting assembly is equipped with 3 replaceable knives, 3/8" thick and 3 clean up paddles.
6. Cutting assembly has a 3/8" steel bonnet with 3/8" high abrasive type, replaceable wear liner.
7. Cutting assembly has hydraulically controlled deflector chute.
8. Cutting head has 135 degrees of combined rotation.
9. Cutting head weight is 750 pounds.
10. Spindle is 7-1/2" in diameter at widest area and is solid steel machined to fitness. It is 11" long with a 3-1/4" wheel side bearing and 2" drive side bearing.
11. Spindle mounted in double tapered roller bearings, sealed, and with oil bath.
12. Spindle RPM is 600.
13. Hydraulic motor is cast iron gear type.
14. Cutting assembly is attached to the spindle by six (6) 5/8", grade 8 bolts.
15. Cutting head reach is 170", when mounted on boom.

3-POINT MODELS - SELF CONTAINED INTERMEDIATE BOOM MOWERS

See Boom Mowers for specs. Except deck, see 60" deck on Side Mount Mower Specs & Reach specs below
 Cutter Reach - out to 14' - 6"
 Cutter Reach - down to 9' - 10"
 Cutter Reach - up to 11' - 6"