

SPECIFICATIONS FOR ALL IN ONE BOOM MOWER

ACCEPTABLE BRANDS/MODELS: MOWER MAX BOOM MOWER, CHAMBERS SAVAGE MOWER OR EQUIVALENT

GENERAL

It is the purpose of this specification to describe a mid-mounted, hydraulically powered boom mower for cutting grass and brush on roadsides and other areas that are not accessible to conventional mowing equipment. The unit bid must be a current production model that has been in production on the open market for a minimum of one (1) year that meets or exceeds the following minimum specifications.

SPECIFICATIONS FOR ALL IN ONE BOOM MOWER OR EQUIVALENT **ALL SPECIFICATIONS ARE CONSIDERED MINIMUM UNLESS OTHERWISE NOTED.**

It is the purpose of the following specifications to describe a hydraulic driven boom mower. Mowing is forward and right of the right rear tire and extended by means of an articulated two section boom with hydraulic break away. This unit shall be constructed to interchange with any of the following minimum attachments: 50" Rotary Cutting Head, 60" Flail cutting head, 48" Saw Blade, 60" Flail Mower.

SAFETY AND TESTING

- Due to the severe mowing conditions, safety tests are a requirement for the operator's safety and highway traffic safety. All equipment must meet or exceed the requirements on **Attachment D: Safety Certifications**.

PRIMARY BOOM:

- Primary boom shall be constructed of a minimum 8" x 6" 1/4", 70,000 psi yield strength structural steel tube reinforced with 1/4", 100,000 psi yield strength steel laminating plates.

BOOM REACH DIMENSIONS:

- Reach Out feet- 22' or 24'
- Reach Up feet- 20'

OPERATOR PROTECTION:

- Shall have 1/2" right side, hard surfaced, polycarbonate protection for operator. Installed into the original cab manufactured door and or side window.

ADDITIONAL ALL IN ONE BOOM MOWER SPECIFICATIONS

- Shipping Weight Unballasted (S.A.E.): Minimum of 18,000 lbs.
- Engine: Gas or Diesel with a minimum of 110 HP while maintaining full warranty.
- Transmission: Minimum 2 speed hydrostatic
- Clutch: Wet
- Main Tractor Hydraulic System: Direct Gear Driven
- Main Hydraulics: Closed Loop with a minimum of 30GPM at 3000PSI
- Steering: 4-wheel with selectable cab operation
- Fuel Capacity: 45 gallons
- Speed: Minimum 0 to 6MPH work mode, 0 to 20 MPH travel mode
- Minimum Height- 100 inches
- Minimum Width- 85 inches
- Minimum Width- 85 inches
- Brakes: Wet Disk
- Factory Cab Required: Factory installed w/heater & air conditioner, & ROPS. Items advertised as standard to include tinted safety glass. OSHA & ANSI approved.
- Seat: Suspension, w/seat belt & arm rest
- Manufacturer Standard Gauges: **1)** Lighted Instrument Panel; **2)** Tachometer; **3)** Electric Hour Meter; **4)** Fuel gauge; **5)** Temperature gauge; **6)** Warning Lights for Oil Pressure & Alternator; **7)** PTO Warning Light or Buzzer.
- Digital Ground Speed Indicator, Dash Mounted: Required
- Steering: Power, w/tilt & telescopic column
- Throttle: Hand & foot
- Electrical System: 12-volt, key start, 120 AMP alternator, 1300 CCA battery
- Lighting Package: Two (2) headlights; two (2) taillights
- Warning Flashers: Required
- SMV (Slow Moving Vehicle) Emblem: Required
- Unit to Contain All Equipment Advertised as Standard by the Manufacturer.

- Anti-Freeze Solution: Protected to -34 degrees F.

Manuals:

- One (1) Operator Manual.
- One (1) Service Manual.
- One (1) Operator Safety Manual. A CD will be required for safe operation training.

PARTS AND SERVICE

Each bidder must be able to provide service from the manufacturer within 48 hours and must have parts, sales & service as needed for all four (4) regions of the State

Operation and Maintenance Training:

Successful bidder shall be required to furnish a qualified individual(s) to provide operator preventative maintenance & safety orientation for approx. four (4) hours at each delivery location.

Product Liability Insurance

Suppliers shall include a copy of mowing equipment manufacturer's **Certificate of Insurance for Product Liability of at least \$25,000,000 for the products** subject to its bid