

# Bid Specifications for 2013 Mid-mount Zero turn mower

## ENGINE

- **Premium commercial Duty engine 35HP or greater**
- **3 year/no hour limit or 5 year/500 hour limited warranty**
- **Starter:** 12-volt
- **Ignition:** Electronic
- **Charging System:** 12-volt
- **Fuel:** Unleaded gasoline
- **Fuel Filter:** Replaceable, automotive-type
- **Air Filter:** Heavy-duty air cleaner
- **Cooling:** Air cooled. Fly-wheel fan
- **Governor:** Mechanical

## TRACTION DRIVE SYSTEM

- **Type:** Dual hydrostatic. Individual pumps power two direct drive wheel motors. Hydrostatic system operates on 15W50 Mobil 1 synthetic motor oil. Transmission drive (oil) cooler for increased system life.
- **Pumps:** Two variable displacement, slipper piston pumps. Each pump powers one drive-wheel. Sauer Danfoss DDC-20
- **Pump Drive:** B Section V-belt drive from engine crankshaft. Large pulley and idler diameters for longer belt life.
- **Hydraulic Lines:** Stainless-steel, high-pressure lines with Parker SealLok™ O-Ring Face-Seal fittings.
- **Cooling:** Large capacity cooler with 9 inch fan for extended hydraulic life
- **Final Drive:** Direct-drive high-torque wheel motors. One for each drive wheel. Parker TG0280 with hot oil shuttle
- **Ground Speed:** Infinitely variable: 0-15.5 mph (0-24.9 kph) forward, 0-7.5 mph (0-12.07 kph) reverse
- **Steering:** SmoothTrak™ twin-lever steering provides independent control of each drive wheel. Speed, forward, reverse, brake, and turns are all controlled with hand-operated controls
- **Turning Radius:** True zero turning radius. Turns within its own length. Counter-rotating, independent drive wheels

## Brakes

- **Service:** Hydrostatic dynamic braking
- **Parking:** Automotive-style drum brakes. When steering levers are placed in park position, integral park brakes are automatically engaged

## Tires

- **Front:** 13 x 6.50 – 6, smooth tread, semi pneumatic
- **Drive:** 26 x 12 – 12, turf tread

## Capacities

- **Fuel System:** 12 US gal (45.4 l)
- **Hydraulic Oil:** 3 US gal (11.36 l)

## GENERAL INFORMATION

- **Safety Features:** Standard foldable ROPS with seat belt. Operator presence system connected to seat, deck clutch and park brake switches. Stabilizer wheels at rear of lawn mower. Side discharge deck with discharge chute and rear discharge deck with deflectors.

### **Seat**

- Grammar suspension seat with isolators.

### **Construction**

- Main frame is 1.5 in x 3 in x .187 in (3.8 cm x 7.62 cm x .47 cm) rectangular steel tubing with internal gusset in frame bend. Drive motors mounted to 7 ga (.45 cm) welded steel. Shock-absorbing Front caster wheel forks mounted with ball bearings on each wheel. Front caster forks are .5 in (1.27 cm) steel

### **Controls**

- Hand-operated choke, throttle, ignition switch, electric mower clutch. Integrated parking brakes

### **PTO Clutch:** 250 ft. lbs.

Indicators: Hour meter, engine warning light

### **DIMENSIONS**

- **Height:** 54 in (137 cm) ROPS folded down  
71.5 in (181.6 cm) ROPS up  
W/72 in Deck
- **Length:** 86.7 in (220.2 cm)  
Overall width: 78 in (198.12 cm) w/discharge chute up  
Tire-to-tire width: 60 in (152.4 cm)
- **Weight:** 1600 lbs (725.75 kg)

### **DECK**

- **Side-Discharge:** 72" Blade tip speed 18,630 fpm
- **Type:** Free-floating mower using three blades with center blade to the front. Mower deck is suspended at the corners. Includes 3 standard deck-mounted rollers to improve flotation in rolling and uneven terrain.
- **Deck Lift:** Raise and lower deck from driver's seat with simple foot-operated deck height adjustment. Pin for setting height, transport position. Change cutting heights, climb curbs and trailer more easily.
- **Construction:** Welded steel. Solid 1.5 in x .375 (2.55 cm x .95 cm) steel bars reinforce impact areas on trim edges. Commercial style, box section reinforced front edge. Reinforcements welded onto spindle mount areas. High density, rubberized discharge chute.
- **Cutting Heights:** Foot-operated deck height adjustment. Pin for setting height, detent for transport position. Height adjustment in .25 in increments from 1 in to 5.5 in (2.55 cm to 13.97 cm).  
72 in: 24.50 in x 3.00 in x .250 in blade, extra high sail
- **Deck Drive:** Belt drive from engine with electric clutch to all three spindles. Spring tension idler and large pulleys to extend belt life.
- **Spindles:** Ductile iron casting with steel shafts and sealed ball bearings
- **Width of Cut:**  
Side-Discharge  
72 in: 71.25 in (180.9 cm)
- **Trim Capacity** (left side)  
Side-Discharge  
72 in: 8.0 in (20.32 cm)

### **Optional ACCESSORIES**

Electric actuated DFS catcher system. Easy-on, easy off versatility. 10 bushel capacity.

**These specifications are guidelines. Bids will be received on approved equals.**

**"By virtue of statutory authority, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, made or grown within the state of Missouri."**