

MISSOURI DEPARTMENT OF TRANSPORTATION
ALL-TERRAIN TELESCOPING ROTARY TREE TRIMMER

The intent of this **specification** is to rent/lease a rotary tree trimmer suitable for trimming limbs and brush from MoDOT right of ways.

GENERAL: The rotary trimmer shall be a 4 wheel drive rubber tired Kershaw or Jarraff Tree Trimmer or approved equal (new or reconditioned).

ENGINE: Minimum of 100 horsepower with CAT, Cummins or Deutz engine.

FUEL TANK: Minimum of 40 gallons.

HYDRAULIC OIL TANK: Minimum of 20 gallons

WEIGHT: Minimum of 20,000 lbs.

DRIVETRAIN: Hydrostatic

ALTERNATOR: 85 Amp Minimum

STARTER BATTERY: Battery (s) with a minimum of 950 Cold Cranking Amps (CCA).

BOOM: Non-conductive telescopic boom (with limb deflectors) capable of a reach of 75 feet with a 90 degree range of motion. Boom shall sit on a hydraulically powered turntable to provide a 360 degree range of motion. Boom equipped with a single 24 inch diameter carbide tipped saw blade turning at a minimum of 2800 rpm.

WINCH: Minimum 20,000 lb. pull winch

CAB EXTERIOR: Cab shall have the capability of at least a 40 degree lateral tilt. Transport height of unit shall not exceed 11' 6". Transport length shall not exceed 42' 3". Transport width shall not exceed 8' 6" but unit shall be capable of adjustment to a maximum operating width of at least 10'. Strobe light required.

CAB INTERIOR: Fully enclosed cab with heating/air conditioning and safety tinted windows. Adjustable operators seat with a safety belt. Two four-way joystick controls to operate the cab rotation, cab tilt, boom extension and retraction and boom elevation. The unit shall include an instrument panel capable of indicating issues with engine/hydraulic oil pressure and operating temperature.

TIRES: Tires shall be 28L-26 logger type tires.

BRAKES: Service brakes shall be a wet inboard disk braking system. Parking brake shall be fail safe and spring applied.

SAFETY: Unit shall meet all OSHA, ISO and SAE standards. Unit shall be certified for:

1. Falling Object Protective Structure (FOPS)
2. Roll Over Protective Structure (ROPS)
3. Operator Protective Structure (OPS)

TRAINING:

All specialty equipment and equipment leased by MoDOT shall have the minimum vendor training supplied as outlined below:

- a. Adequate training meeting MoDOT's satisfaction shall take place where equipment is delivered or at an off-site location at the vendor's expense. A qualified service representative, technician or mechanic shall conduct the training. Training will be supplied to MoDOT operators and mechanics of the equipment unit(s) and will cover safe operation and routine/preventative maintenance. The vendor shall supply training within one month of delivery and acceptance. The vendor shall supply all training materials.
- a. Operator and repair manuals must be hard copy and supplied with each individual unit.
- b. All vendors shall provide a phone number for technical assistance, manned during normal working hours (8AM to 4PM).

PRODUCT TRAINING VIDEOS:

It would be beneficial for vendors to provide videos that MoDOT can show to employees prior to the hands on training for a tree trimmer.

MISCELLANEOUS:

The Missouri Department of Transportation Commission reserves the right to waive technicalities and to reject any or all bids and no bid is final until formally accepted by the Commission.

*****ANY EXCEPTIONS TO THE ABOVE SPECS MUST BE NOTED*****