



MISSOURI DEPARTMENT OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES

**15" BRUSH AND DEBRIS CHIPPER**

**GENERAL**

It is the intent of these specifications to describe a quiet operating, rear feed chute debris chipper that has the ability to chip green or dry brush and all types of wood, a minimum 15" in diameter.

The above chipper is to be a self contained trailer style chipper capable of withstanding normal shipping conditions and transport over the road at highway speeds.

**POWER UNIT, HD INDUSTRIAL DIESEL**

115 to 130 Horsepower

Oil Filter, standard

Air Cleaner, HD oil bath or dry type

Hood or side panels, removable

Controls, throttle and clutch lever

Muffler or mufflers, quiet type

Fuel tank, standard capacity

Clutch, Automotive style or over center locking type

Hydraulic oil cooler

**ELECTRICAL SYSTEM, 12 VOLT**

To have starter, generator or alternator and battery with lockable box.

**INSTRUMENTS**

Tachometer, hour meter, water temperature gauge, oil and electrical indicators, key lock and starter switch.

The instrument panel shall be conveniently located for easy accessibility to give operator instant and constant control over all operations.

**CHIPPING UNIT**

The chipping unit shall be complete with steel drum style chipper with a minimum two knives, folding feed table or apron, adjustable (height and 270 or 360 degree direction) discharge chute and deflective bonnet. A minimum 500 CFM blower or use of centrifugal force shall be used for adequate discharge of all material under all operating conditions. All components must meet or exceed all the latest safety requirements.

**FEED SYSTEM**

Hydraulic powered. The unit shall be equipped with an automatic feed system that monitors the engine rpm. When a preset rpm is reached the feed wheels shall stop & reverse material away from the chipper drum. This unit must have an emergency positive safety stop device for operator safety.

**TRAILER**

Two wheeled, leaf spring or independent torsion spring type with all welded steel frame, electric brakes, towing eye, rear adjustable stabilizing leg or legs, front retractable and adjustable parking stand and fenders. Adequate axle tire and wheel size and capacity shall be standard of manufacturer. To have combination tail stop and directional lights, clearance lights, safety chains and wiring connections for attaching to towing vehicle.

NOTE: Complete machine must be manufactured in accordance with the latest adopted OSHA or SAE standards and amendments thereto.

The Missouri Highways and 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.