

Specifications: Wood Chipper

General: These specifications are intended to describe the requirements for a disc type, industrial wood chipper having the capability and capacity to accept 12-inch material. The unit shall be new or current production model and meet the following specifications:

Power Unit: 74 HP, diesel, 4 cylinder water-cooled with heavy-duty air cleaner, 12 volt electrical system, starter, alternator and battery, key start switch, amp meter, hour meter and automatic shutdown system for low oil pressure or high coolant temperature.

Cutter: Minimum 20" diameter x 1.5" thick heavy steel disc with two (2) bolt-on cutting blades. Easy access to blades shall be provided. Chipping disc shaft to be supported by two heavy-duty roller or ball bearing blocks at a shaft diameter of at least 2-7/16".

Chipper Feed: The chipper in-feed system shall be designed for safety of the operator and for smooth flow to the cutting unit. The feed system shall incorporate hydraulic driven rollers that can be easily reversed by the operator for safety. Feed system shall except up to 12" diameter material.

Auto Feed: The chipper shall be equipped with an AUTO-feed system. This system will automatically control the feeding of material into the cutter system according to engine RPMs.

Discharge: The units shall have a discharge chute that can be rotated at least 270 degrees and have a deflector that can be positioned as desired.

Hood: Chipper disc shall be completely enclosed with a steel hood with openings provided where needed for blade replacement and bearing service. Belt drive shall also be completely enclosed but accessible for maintenance of belts.

Trailer Unit: Chipper unit to be completely installed on trailer meeting the following specifications: Frame to be all welded steel construction and designed for towing the unit at highway speeds safely. Single axle suspension shall be rubber torsion type with capacity of at least 6000 lbs. Tongue to be fitted with a ring for pintle hook and shall have height adjustment. Tires to be minimum 905Rx16 load range D. Tongue jack to be equipped with caster wheel. Safety chain, 3/8" minimum and 18 gauge fenders to be provided.

Electrical Equipment: Chipper shall be equipped with sealed wiring harness and lighting. All lights shall be LED type. Stop, turn and taillights shall be model 44, 4 inch diameter; LED shall meet FMVSS-108 regulations. All lights are to be rubber mounted, recessed in the frame of the trailer and be plug-in type. The trailer electrical plug shall be 7-pole plug.

Tongue Extension: The chipper shall be equipped with a minimum 24 inch tongue extension. This is to allow for shorter turns when the chipper is being towed.

Regulations: Unit shall meet any state or federal OSHA regulations as applicable

Additional Equipment: Units shall contain any additional equipment, not specifically mentioned but necessary, to make complete and workable unit.

Standard Equipment: Unit shall contain all standard equipment listed as such in the manufacturer's latest literature unless otherwise stated within these specifications.

Warranty: The unit shall be fully warranted against defective materials and workmanship for a period of at least one (1) year. The warranty shall begin the date the unit is placed in service. The unit shall be manufacture's latest current production model when in accordance with these specifications.