
SPECIFICATIONS GIANT-VAC™ MODEL 6600JDT-CM30 CHASSIS MOUNT MUNICIPAL LEAF LOADER

ENGINE DIESEL: An 85 hp, 276 cubic inch, 4-cylinder, water-cooled John Deere Tier III turbo diesel engine shall be supplied. It shall be equipped with safety cut-off switches for over-heating, as well as, low oil pressure. Heavy-duty radiator shall be pressurized type and have a clean fix-cooling fan. A 12-volt mechanical starter manually controlled variable speed governor, heavy duty dry type air cleaner, mechanical type fuel transfer pump with hand primer, spin-on type fuel and oil filters shall be included. It shall be a closed type power unit, with side panels. Above engine shall also be equipped with an internal balancer to eliminate engine vibration.

RADIATOR SCREEN: Constructed of ¼" flattened steel mesh and a 13-gauge steel frame.

ENGINE INSTRUMENT PANEL: Shall be mounted in their own remote panel. Includes key type ignition switch, ammeter, water temperature and oil pressure gauges and electric type throttle. Also included are hour meter and tachometer.

ENGINE P.T.O. CLUTH: Engine torque to be transferred through a quick acting, over center 11-1/2" clutch, with 13" flywheel. The power take off shaft shall be not less than 2-1/4" in diameter and shall be supported by two 2-1/4" tapered roller bearings.

ENGINE BASE: Shall be box type (unitized design) 9-gauge steel specifically designed to above engine.

FUEL TANK: Shall be located under the main engine base and be protected on all four sides for safety and shall have a 30 gallon capacity. It shall be all steel (12 gauge) construction and have two internal baffles and fuel gauge.

BLOWER IMPELLER HOUSING: For the above engine base is bolted to the blower housing. Provisions shall be made so the blower housing can be bolted with exhaust in several positions as follows: In a vertical position for trailer mounted operations; at a 30-degree angle when front mounted. The blower housing shall be a minimum 33" high - 31" across and 12" wide, made of ¼" steel plate and equipped with a two piece replaceable liner of ¼" thick steel. The wear liners shall be secured by (12) heat treated alloy steel flat head socket cap screws and lock washer with nuts to provide wear resistance against abrasive materials and for safety reasons.

IMPELLER: Shall be 29-½" diameter and will have four blades, not less than ¾" thick steel. It shall be of welded construction with a back gusset plate not less than 3/16" thick steel and a hub of not less than 4" in diameter. Impeller shall be mounted to a 2-¼" P.T.O. shaft. Suction capability shall be not less than 22,000 C.F.M.

IMPELLER TO IMPELLER HOUSING EFFICIENCY: For the above highly efficient impeller housing shall be designed with no less than ½" clearance from the tip of the impeller to the inside of housing. This will prevent excessive material build-up in the impeller housing and to help reduce impeller and impeller housing damage from foreign objects. **IMPELLER AND IMPELLER HOUSING THAT DO NOT MEET THE ABOVE RATIO WILL NOT BE ACCEPTED.**

INTAKE HOSE AND BOOM SUPPORT: The intake hose shall be 8 feet long and 18" in diameter. It shall be fabricated of thermoplastic urethane and reinforced with a heat-treated steel coil and outer polyethylene wear strip. (Hose weighing not more than 4.5 pounds per foot.) The pick up end of hose shall be fitted with a 18" round intake nozzle constructed of 16-gauge steel. Nozzle shall have a semi-circular 1" O.D. tube handle grip. This nozzle shall be able to pivot over a 10-foot wide path. A hydraulic hose boom 2-way (up/down) with controls on the intake nozzle. The side of the leaf box shall have provisions to hold the intake hose and nozzle for safe transportation.

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DISCHARGE SECTION: Shall be direct from the blower housing to the hopper body. It shall be all 9-gauge steel integrally welded, and be 12" square. It shall also have a ¼" bolt-in liner. A straight and curved right angle section plus a breakaway connection for dumping the hopper shall be supplied. The discharge duct shall have provisions so that the debris hopper can be dumped without the removal of the intake hose support boom.

DEBRIS BOX SUB FRAME: Shall be approximately 38" wide x 258" long and shall be fabricated from 8" x 3" x ¼" box beams and have two (2) 4" x 2" x ¼" channels to support the dumb hoist.

HOPPER OR DEBRIS BOX: Shall be 30 cubic yard capacity and shall be approximately 96" wide by 185" long by 82" high. The hopper floor shall be fabricated in three sections of 10-gauge metal. Each to be unitized in design and electronically welded. The hopper side and front shall be fabricated also in three sections of 13-gauge metal and each section shall be unitized in design and electronically welded. The top of the hopper shall have a replaceable full filter screen fabricated from ¼" expanded mesh metal and a 13-gauge steel channel frame. The hopper shall have a one-piece top hinged rear door. A positive locking, easy operated door lock shall be supplied. The hopper shall be self-dumping by a twin 5" diameter double-acting cylinder with scissors type construction, which shall have a 45,000 lb capacity.

HYDRAULICS: The unit shall feature gear-driven hydraulic pump connected directly to the engine to power the leaf box and hydraulic hose boom. Control valve for dump hoist is located in the front of unit for easy access.

LIGHTS: The unit shall be equipped with lights and reflectors that meet I.C.C. specifications plus amber strobe light.

PAINT: The unit shall be thoroughly cleaned and given two coats of rust inhibitor primer and two coats of Giant-Vac Red finish. The frame shall be painted black. The engine (power unit) shall be painted engine manufacturer standard color.

OVERALL DIMENSIONS: Length 245" - width 96" - height to top of box 98".

WEIGHT: 9,400 pounds.

The following is a list of OPTIONAL accessories that can be added to the above Giant-Vac Loader.

99 hp John Deere Turbo Water-Cooled Engine
Paint - Custom Color
3-Axis Hydraulic Boom (Up/Down, In/Out, Left/Right) Controlled in Cab
Fluid Coupling in lieu of P.T.O. Clutch