

## **SPECIFICATIONS GIANT-VAC™ MODEL FM6600JDT MUNICIPAL FRONT MOUNT LEAF LOADER**

**ENGINE:** An 85 hp 4-cylinder, 276 cubic inch, 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. Radiator shall be pressurized type and have a 6-blade cooling fan. Also, a 65 AMP alternator, 12 volt mechanical starter, manually controlled variable speed governor, dry-type air cleaner, mechanical-type fuel transfer pump with hand primer, spin-on type fuel and oil filters. It shall be a closed type power unit, with side panels and removable radiator screen. Above engine shall also be equipped with an internal balancer to eliminate engine vibration.

**ENGINE INSTRUMENT PANEL:** Shall be mounted in their own remote panel directly attached to the main frame. Includes key type ignition switch, ammeter, water temperature and oil pressure gauges and locking T-type throttle handle. Also, included are hour meter and tachometer.

**ENGINE P.T.O. CLUTCH:** Engine torque to be transferred through a quick acting, over center 11½" clutch. The power take off shaft shall be not less than 2-¼" in diameter and shall be supported by two 2-¼" 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.

**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 washers with nuts to provide wear resistance against abrasive materials and for safety reasons.

**IMPELLER:** Shall be 29-½" in 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 22,500 C.F.M.

**IMPELLER TO IMPELLER HOUSING EFFICIENCY:** 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 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 10 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 an 18" round intake nozzle constructed of 16-gauge steel. Nozzle shall have a semi-circular 1" O.D. tube handle grip. The boom pivots on two 1-1/2" diameter flanges bearing over a 10-foot wide path. The hose support boom is spring-loaded with its pivot position over the center of the intake hose for optimum ease in operation. Boom to be 1¼" tubular construction and 1/8" wall thickness and shall be not more than 6 feet in length capable of supporting a weight of 175 pounds.

**THE INTAKE SECTION:** The unit shall be front mounted so that the intake hose and boom support is in the front of the unit. The unit can vacuum up debris from the right or left of the street.

**THE DISCHARGE SECTION:** Shall be 12" square. It shall be a straight section and curved right angle section shall be supplied. This discharge section shall tilt 30-degrees for best driver visibility. A flanged section bolts to the leaf box on the truck. These sections are joined by a quick disconnect coupling utilizing a short length of 12" flexible hose. The

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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above unit is designed to be mounted on a snowplow frame. Four-drop stands shall support the unit when uncoupled from the snowplow frame.

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

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

- Fuel Gauge
- Engine Tachometer
- Engine Hour Meter
- Engine Side Panels
- Paint – Custom Color
- 45-Degree Intake Adaptor
- 90-Degree Intake Adaptor
- Boom Lock