

### SPECIFICATIONS GIANT-VAC™ MODEL SM8000-JDTB MUNICIPAL LEAF LOADER

**ENGINE:** An 85 hp, 276 cubic inch, 4-cylinder, water-cooled John Deere Tier III turbo diesel engine. It shall be equipped with a 12-volt electrical system to include starter and 65 AMP alternator, heavy-duty air cleaner, fuel and oil filter and muffler. It shall also have an automatic safety shutdown system for low oil pressure and high temperature. It shall be a closed type power unit with side panels and a removable radiator screen, heavy-duty type battery, 30-gallon fuel tank manufactured of thick reinforced steel and baffled with sight-type fuel gauge.

**ENGINE INSTRUMENT PANEL:** Shall be mounted in their own remote panel directly attached to mainframe. 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 AND BELT DRIVE:** Power is to be transferred to the impeller via a quick acting over-center 11½" power take-off clutch with 2¼" diameter shaft. This drive shall also have a 4-grooved, notched power band belt from the PTO shaft to the impeller shaft.

**TRAILER:** To be ¼" steel construction formed and properly balanced trailer. The engine power unit and trailer base is supported by a 6,000 lb. Torflex Axle. Tires are L.T. 700 /15, 8-ply on 6-lug rim tubeless. Electric brakes include a breakaway safety switch. Trailer is equipped with an adjustable telescoping draw bar constructed of 4" square tubing with 1/4" wall thickness and telescopes a minimum of 30" and shall have a wind-up type parking jack with dual caster wheels. Pintle eye type hitch shall be adjustable in height from approximately 24" to 32" from ground. Safety chains with hooks, protective fenders of 12-gauge steel and mounted in a secure fashion. Combination stop & tail light, 4" amber strobe light, lockable battery box cover and the hydraulic power unit are located on side of the trailer base. Rake and tool storage rack on the side of the blower housing.

**IMPELLER:** Is approximately 32" in diameter with 6 gusseted blades of abrasive resistant steel with Brinell hardness exceeding 400. The blades are 3/8" thick and backing plate is ¼" thick with a tapered lock hub for better fit to the shaft and easy removal.

**BLOWER HOUSING:** Is constructed of 10-gauge welded steel and is to be equipped with a two-piece slip-in liner constructed of ¼" abrasive resistant steel and be supported on all sides and secured without the use of welding and be mounted to main frame with the exhaust duct at a 40° to 45° angle toward the leaf collection box. A housing cleanout door with safety switch is provided.

**EXHAUST STACK AND DISCHARGE HOSE:** The exhaust stack shall be square and bolted to the blower housing at 40° to 45°. At the end of the square stack, there shall be a square-to-round. A 16" x 48" heavy-duty wire reinforced flexible rubber hose shall be provided. The exhaust is constructed of 10-gauge steel and centered directly over the trailer tongue. A support for the discharge hose will also be provided.

**INTAKE HOSE:** The intake hose shall be 16" in diameter and 10 feet long. It shall be fabricated with a 3/8" wall of heavy-duty rubber and reinforced with a heat-treated steel coil. The pick up end of the hose shall be fitted with 16" round intake nozzle constructed of 16-gauge steel, nozzle handle shall be semi-circular, 1" O.D. tube handle grip. This nozzle shall be able to pivot over a 10-foot wide path.

**HYDRAULIC OVERHEAD HOSE BOOM:** The above intake hose shall be supported and lifted up and down by a hydraulic hose boom. The hydraulic cylinder shall be positioned under the boom. This system shall be driven by a 12-volt electric over hydraulic pump. The waterproof control switch shall be mounted on the hose end handle. This boom shall be capable of pivoting front or rear and lock in the front position.

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**PAINT:** The unit shall be thoroughly cleaned and given two coats of rust inhibitor primer and two coats of Giant-Vac safety red finish. The axle, rims and engine shall be painted manufacturer standard color.

All operator's and parts manuals will be included with unit.

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

Electrical Connector	12" Round Exhaust Hose in lieu of 16"
Spare Tire and Rim	12" Flex Metal Hose in lieu of Flexible Rubber
Paint: Custom Color	16" Flex Metal Hose in lieu of Flexible Rubber
99 hp 4-cylinder John Deere Turbo Diesel	