

SPECIFICATIONS GIANT-VAC™ MODEL TM99000JDT-HW MUNICIPAL LEAF LOADER

ENGINE: An 99 hp, 276 cubic inch, water-cooled, Model 4045-T John Deere Tier III turbo diesel engine equipped with a 65-amp alternator, 12-volt starter, variable speed Governor, spin-on type Fuel and oil filter. This engine shall also be equipped with an internal balancer to eliminate engine vibration. The power unit shall have an engine enclosure that is made up of multi panels that are easily removed. The closed-type power unit shall provide protection to the operator from moving parts.

AIR CLEANER: Dry element with pre-cleaner; two-stage type.

ENGINE CONTROLS: Shall be mounted in clear view and reachable with ease, rubber mounted panel. All gauges and wiring are connected to a circuit board. Gauge includes tachometer, hour meter, voltmeter, water temperature gauge, oil pressure gauge, automatic safety shutdown for high temperature and low oil pressure.

RADIATOR: Heavy-duty pressurized trash style.

RADIATOR SCREEN: Constructed of ½" expanded flattened steel plus steel mesh, hinged for cleaning without powering down engine...two-stage.

POWER TAKE-OFF: Engine torque to be transferred through a quick acting over center 11-1/2" clutch. 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 and ¼" steel specifically designed for above engine.

SUCTION IMPELLER: Shall be 32" in diameter and will have six (6) gusseted 3/8" thick blades constructed of abrasive resistant T-1 steel with a Brinell hardness exceeding 400, stress-relieved and mounted to a 2 ¼" impeller shaft via a taper lock bushing.

BLOWER HOUSING: Gradual 90° style constructed of 10-gauge steel. Inspection/cleanout door is located on face to facilitate convenient inspection of internal contents or condition. A safety kill switch is located on the door to shut down the engine when the door is open.

BLOWER HOUSING LINERS: Made of ¼" abrasive resistant steel. Two-piece replaceable and secured by twelve (12) heat-treated alloy steel flathead socket cap bolts to provide wear resistance against abrasive materials and for safety.

C.F.M.: 24,000

SUCTION INLET: Will be located in the rear of the machine. It shall be capable of swiveling up to a **240° arc**. This is accomplished through a **90° swivel intake** without the use of tools or any **changes to the machine**. The hose and boom can be easily moved from right to left hand pickup and the intake hose and boom can be easily move forward and locked for safe transportation. **This suction inlet is a major labor and cost savings feature. Machines that do not meet this specification will not be accepted.**

INTAKE HOSE: 16" diameter X 120" long heavy-duty wire reinforced 3/8" thick flexible rubber.

HYDRAULIC HOSE BOOM: Hydraulically controlled (up/down) by an electric operated hydraulic pump with waterproof marine-style switch located on the intake nozzle. This boom pivots on two 1½" diameter flange bearings.

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FUEL TANK: Shall be located under the main engine base and be protected on all four sides for safety and shall have a 35-gallon capacity. It shall be all steel (12-gauge) construction, have two internal baffles and mounted on rubber supports. The fuel gauge shall be on cap.

EXHAUST DUCT: Gradual 90° style bolt-on duct constructed of 10-gauge steel and centered directly over the tongue for a balanced unit. It shall also have a ¼" steel bolt-in liner. Standard discharge height is 108" on center (custom heights also available).

EXHAUST HOSE: 16" diameter X 48" long heavy-duty wire reinforced 3/8" thick flexible rubber is connected to the exhaust duct.

TRAILER SECTION: The box type engine base shall be designed to support the trailer axle. Axle to be no less than 6,000 pounds Torflex axle with steel hubs. Tires are L.T. 700/15, 10-ply. Electric brakes and safety breakaway switch is also supplied. The tongue/drawbar of the trailer is equipped with a side wind flip-up dual wheel trailer jack. This drawbar is capable of horizontal adjustments by means of a receiving tube. The drawbar also has an adjustable pintle eye hitch from 20" – 32", heavy-duty safety chains with grab hooks, 12-gauge steel fenders, front nozzle holder, and the rear of the unit shall have a drop stand to support the unit when it is not coupled to the tow truck.

TRAILER LIGHTS: Combination stop and tail lights with license plate bracket, D.O.T. reflectors.

PAINT: All components shall be painted prior to assembly. Paint shall be two (2) coats of rust inhibitor primer and two (2) coats of automotive quality safety red with the trailer axle painted black.

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

Amber Strobe Light
Paint: Custom Color
Electrical Light Plug
Spare Tire and Rim
L.E.D. Lights (i.e., oil, water, inspection door, shut-down)