

## **SPECIFICATIONS - GIANT-VAC™ MODEL FM4901JDB MUNICIPAL FRONT MOUNT LEAF LOADER**

**ENGINE:** An 49 hp Model 4024-T270 Tier III John Deere water-cooled diesel engine, turbocharged 4-cylinder, 12-volt electrical system, and H.D. air cleaner, low oil and water temperature safety switch, and 10-gallon fuel tank.

**ENGINE INSTRUMENT PANEL:** Includes ignition switch, locking T-type throttle handle, Hour Meter, and Tachometer.

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

**BLOWER IMPELLER HOUSING:** The above engine base is bolted to the blower housing. Provisions shall be made so the blower housing can be bolted with the 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 10-1/2" wide and have an outer band not less than 1/4" thick. Blower housing shall have a full size rear cover plate, secured by bolting for fast access to impeller. Above blower housing size approximately 10-1/2" wide - 28" high - 26" across. Housing shall be fitted with a full width, replaceable, bolt in wear liner, of minimum 1/4" thick steel.

**IMPELLER DRIVE:** Power to Impeller via (4) Belts (3V450).

**THE IMPELLER:** Shall be 25 inches in diameter and will have 4 blades not less than 1/2" thick. It shall be of welded construction with a back gusset plate not less than 3/16" thick, and a hub of not less than 2-3/4" in diameter. It shall be directly mounted on the impeller shaft.

**IMPELLER TO IMPELLER HOUSING EFFICIENCY:** For the above high efficient impeller housing - shall be designed with no less than 1/2" 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 7 feet long. It shall be 16" in diameter. It shall be fabricated of thermoplastic urethane and reinforced by a heat-treated steel coil and outer polyethylene wear strip. (Hose weighing not more than 4 pounds per foot.) The pick up end of hose shall be fitted with a 16" 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 1-1/4" x 4" 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:** Shall be front mounted so that the intake hose and boom support is in the center rear of the unit in order for the unit to be able to vacuum up debris from the right or left of the street.

**THE DISCHARGE SECTION:** Shall be 10-1/2" 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 above unit is designed to be mounted on a snowplow frame. Four (4) 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.

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

45-Degree Intake Adapter

Intake Hose 16" x 10'

90-Degree Intake Adapter

Special Exhaust Stack & Elbow

\*TR Style all Steel from Machine to Leaf Box with 45-Degree Breakaway

\*(Please note with above option unit is designed to be mounted on a frame in a fixed position)