

SPECIFICATIONS GIANT-VAC™ MODEL FM 3500 MUNICIPAL FRONT MOUNT LEAF LOADER

ENGINE: A 35 HP 107.7 cubic inch 4-cylinder air-cooled gas engine. The exhaust valves are to have a Stellite face with Stellite valve seat and positive type valve rotators. The crankshaft is to be drop forged, dynamically balanced and heat-treated. An oil bath air cleaner with a visual type pre-cleaner shall be incorporated. The electrical system shall have a 12-volt starter and 30 AMP alternator. The engine shall have a high-temperature shut-off safety switch for overheating, as well as, 6-gallon side mounted fuel tank.

ENGINE INSTRUMENT PANEL: Includes ignition switch, ammeter gauge locking T type throttle handles.

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 2-piece, 1/4" bolt-in liner. 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.

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 engine shaft.

INTAKE HOSE AND BOOM SUPPORT: The intake hose shall be 7 feet long and 16" in diameter. It shall be fabricated from neoprene-impregnated nylon 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. This nozzle shall be able to pivot 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 unit in order for the unit to be able to vacuum up debris from the right or left side of street.

THE DISCHARGE SECTION: Shall be 10-1/2" square. A straight section and curved right angle shall be supplied. This discharge section shall tilt 30° 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.

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

Tachometer	45° Intake Adapter
Hour Meter	90° Intake Adapter
Paint – custom color	Boom Lock