

## SPECIFICATIONS - GIANT-VAC™ MODEL 35BVGB-TR10 MUNICIPAL LEAF LOADER

**ENGINE:** A 35 hp Briggs & Stratton Vanguard, air-cooled V-Twin Big Block gas engine. With iron cylinder sleeve, heavy-duty cyclonic air cleaner, full pressure lubrication, oil capacity 2.3 liters, 20-amp alternator, 1 7/16" crankshaft and mechanical governor.

**ENGINE INSTRUMENT PANEL:** Includes ignition switch, throttle handle and choke handle.

**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, with a two-piece bolt-in replaceable wear liner ¼" thick steel. 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.

**IMPELLER DRIVE:** Power to Impeller via (5) Belts (3V450).

**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.

**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 front of the trailer frame shall have provisions to hold the intake hose and nozzle forward for safe transportation.

**DISCHARGE SECTION:** Shall be direct from the blower housing to the hopper body. It shall be all 9 gauge integrally welded, and be 10-1/2" square. A straight and curved right angle section plus a breakaway connection for dumping the hopper shall be supplied. The discharge duct shall have provisions so that the debris hopper can be dumped without the removal of the intake hose support boom. This discharge elbow shall be filled with a bolt-in replaceable liner ¼" thick steel.

**TRAILER FRAME:** Shall be approximately 65" wide - 172" long and shall be fabricated from 6-1/2" x 3" x 1/4" side channels with two 6" x 3" x 1/4" cross channels. The frame shall also have two 4" x 2" x 1/4" channels to support the dump cylinder. The complete frame shall be securely welded and be of all steel construction. The 1-1/2" thick lunette ring type draw bar shall be securely welded to the front of the frames center 3" x 6" x 1/4" box beam. The trailer frame shall have dual 3-1/2" tube type steel axles rated 7,000 pounds, each (total 14,000 pounds) with 4 leaf springs rated at 7,000 pounds per pair (14,000 pounds total) with swivel equalizer between axles. The 4 tires shall be 800 x 14.5 x 12 ply

SPECIFICATIONS - MODEL 35BVGB-TR10 GIANT-VAC TRUCK LOADER

rating with donut type all steel rims. Twelve-inch electric brakes shall be on all wheels. The axle springs attaching parts shall be securely welded to the trailer frame side channels. The trailer jack shall be hydraulic ram type with 4" diameter cylinder, 2" piston rod and 20" stroke and 6" square metal base. The trailer frame shall have safety chains for towing safety as well as an electric breakaway kit and adjustable tow tongue.

**HOPPER OR DEBRIS BOX:** Shall be 10 cubic yard capacity and shall be approximately 90" wide by 84" long by 60" high. The hopper floor shall be fabricated in three sections of 10-gauge metal. Each to be unitized in design and electronically welded. The hopper side and front shall be fabricated also in three sections of 13-gauge metal and each section shall be unitized in design and electronically welded. The top of the hopper shall have a replaceable full filter screen fabricated from 1/4" expanded mesh metal and a 13-gauge steel channel frame. The hopper shall have a one-piece top hinged door. A positive locking, easy operated door lock shall be supplied. The hopper shall be self-dumping by a 4" hydraulic cylinder with scissors type construction, which shall have a 20,000 pounds capacity.

**HYDRAULICS:** The unit shall feature a heavy duty D.C. 12-volt self-contained hydraulic power unit. The system shall include pump D.C. motor, reservoir tank, high-pressure hoses and a double spool valve to power the hydraulic trailer jack and the hopper dump ram individually.

**LIGHTS:** The unit shall be equipped with lights and reflectors that meet I.C.C. specifications.

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

**OVERALL DIMENSIONS:** Length 172" - width 96" - height to top of box 100".

**WEIGHT:** 5,120 pounds.

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

- Rear Mounted Amber Strobe Light
- Spare Tire and Rim
- Paint - Custom Color
- Electrical Connector