

**DIMENSIONS:** This machine is approximately 136" in overall length, 80" wide outside, and has an overall height of 116". The height, from the ground to the center of the blower housing, is approximately 52". The height, from the ground to the top of the blower housing, is approximately 72". The total weight of the machine is approximately 5200#.

Comply Yes\_\_\_ No\_\_\_ If No; attach a separate sheet for exceptions.

**TRAILER:** The main frame is constructed principally of 4" of 5.4# channel and is 130" in overall length and 79" in overall width. Deck plate made from 3/16" material to help with the support of trailer. The trailer has 2 semi-elliptical leaf springs with a 3,500# capacity each. Trailer type axles have a minimum of 3" in diameter. It is equipped with two steel disc-type wheels with Timken tapered roller bearings. The tires are 7:00-15, 8 ply, rated for highway. The pintle-hook trailer tongue has an adjustable height truck attachment with manual adjustment from 16" to 32". Also furnished is Power Parking Jack which consists of a 2" x 16" double-acting, hydraulic cylinder with a swiveling caster wheel. It is operated from the same hydraulic as the rest of the leaf machine. The trailer has two safety chains of 3/8" proof coil chain, and are at least 36" long with chain hooks.

Comply Yes\_\_\_ No\_\_\_ If No; attach a separate sheet for exceptions.

**POWER UNIT:** The diesel engine is a 4045T John Deere or 3800T 96hp Kubota Motor water-cooled, 196/276 cubic inch displacement that develops both 85hp/96hp. at 2500 RPM and 196/200 foot pounds of torque at 1200 RPM. The power unit is mounted on an adjustable, structural steel base. The engine has a 12-volt electrical system with a starter and 65-amp alternator. A heavy-duty battery is included. The power unit includes a dry air-cleaner, 40-gallon fuel tank, and muffler. The engine controls consist of a start and stop switch, an alternator warning light, a temperature (automatic, high temperature shutdown), an oil pressure gauge (automatic, low-pressure shutdown), and throttle control. All electric controls are panel mounted. The power unit has a P.T.O. with 11" Twin Disc or 13" Automotive clutch. The blower unit is driven from the P.T.O. with one 4/5 V1120 common, back belt. The common, back belt is specially reinforced to absorb shock. A steel belt guard is provided to cover the "V" belt.

Comply Yes\_\_\_ No\_\_\_ If No; attach a separate sheet for exceptions

**BLOWER ASSEMBLY:** The impeller is statically and dynamically balanced and has an approved blower capacity that is no less than 22,000 cubic feet per minute. The blower housing is constructed of #7 and #10 gauge material with a 1/4" plate, full wrap-around, replaceable, abrasive-resistant liner, and a structural angle base. Housing has the following minimum dimensions: 47" high, 45" long, 15" wide, 19" intake opening, and a 14" x 16" exhaust opening. The fan assembly consists of six blades of 3/8" AR400F steel with a Brinell hardness exceeding 400. The fan is welded to a heavy fabricated steel rotor. The diameter of blades is no less than 30/32" and 12 1/2" width. The fan is statically and dynamically balance and has an approved blower capacity that is not less than 22,000 cubic feet per minute. The fan assembly is mounted on a 2-3/16" diameter shaft running on two, large, sealed, self-aligning pillow block bearings.

Comply Yes\_\_\_ No\_\_\_ If No; attach a separate sheet for exceptions.

**EXHAUST ASSEMBLY:** Consists of a discharge elbow of no less than #10 gauge material for the sides, bottom, and top. The inside liner is fabricated from 3/16" material for longer wear. Connected

to the discharge elbow is a horizontal duct of no less #12 gauge material. The discharge opening is a 16" round exhaust duct. The horizontal duct is connected to the discharge elbow with bolts, to form a rigid unit, but can be easily disassembled if necessary. The exhaust assembly is mounted to a pivoting turntable base for 360 Degree Oscillating, Swivel, and Horizontal movement. The exhaust assembly also pivots vertically. These provisions for horizontal and vertical movement provide self-alignment between the discharge end of the horizontal duct and leaf container. The exhaust assembly is counter-balanced and has a 2" x 10" float control cylinder, which is attached between the horizontal exhaust and the turntable base to assist up and down movement. This hydraulic cylinder is operated from the same hydraulic system as the rest of the leaf machine. A reinforcement T-bar stand is welded in front of blower housing, so the exhaust tube can rest for storage or transport when not inserted in the leaf box.

**Comply** Yes\_\_\_ No\_\_\_ **If No; attach a separate sheet for exceptions.**

**INTAKE ASSEMBLY:** Intake housing is constructed of no less than 3/16" to 10ga. material, and is attached to the blower housing. It has a 16" diameter opening. Attached to this opening is a 16" diameter x 10 ft. long, wire-wound, rubber hose, with special, abrasive-resistant, nylon lining. The gutter nozzle is constructed of no less than #12 gauge and has 16" diameter intake opening. The gutter nozzle is attached to the control arm by means of a heavy-duty joint, which allows for vertical and horizontal movement. The gutter nozzle is 3<sup>rd</sup> axis that allows for vertically movement that consisted of 2" x 16" cylinder. End of the gutter nozzle is a 15" Rubber Tire (Boot Assembly) that allow for more leaves intake and a cushion for city curbs and grass lawns. The control arm is constructed of 2.5" square tubing with a wall thickness of 1/4". It connects to the operator platform superstructure by means of a heavy-duty universal joint. The intake nozzle travels 80° to 85° from the machine. The reach of the intake nozzle from the curb tire side is 10'6" foot plus feet.

**Comply** Yes\_\_\_ No\_\_\_ **If No; attach a separate sheet for exceptions.**

**HYDRAULIC EQUIPMENT:** Consists of a hydraulic pump, mounted to the block of the motor with an SAE-A style flange, with no less than a 5-gallon per minute gear driven pump. No less than a 4-gallon oil reservoir is mounted on the trailer frame between the engine and blower housing. A high-pressure hose to a flow control valve, which connects to a three (3) spools valve and two (2) single spool valve sections, double acting control, connects the pump. There are three (3) 2" diameter double acting cylinders with 16" chrome plated piston rods and one (1) 10"chrome plated piston rod. Two of these cylinders are attached to the platform superstructure by means of a universal joint. The other end is attached to the control arm. A single control joystick assembly and one (1) single handle control mounted in front of operator's seat, quickly and easily operates the vertical and lateral motion and vertical movement of 3<sup>rd</sup> axis of the hydraulic gutter nozzle.

**Comply** Yes\_\_\_ No\_\_\_ **If No; attach a separate sheet for exceptions.**

**PAINT:** Some subassemblies are primed and painted during assembly. The finished machine is painted with an industrial paint with two (2) coating. The city is invited to inspect and run the machine before is goes to final paint.

**Comply** Yes\_\_\_ No\_\_\_ **If No; attach a separate sheet for exceptions.**

**MANUALS:** Operator's manual and the leaf machine's parts and operator's manual are included.

**Comply**      **Yes**\_\_\_ **No**\_\_\_ **If No; attach a separate sheet for exceptions.**

**WARRANTY:** Two years engine warranty on most engines. One year warranty on parts and labor on Dinkmar Leaf Vacuum Machines. All Purchase Item that was purchase and install on DinkMar Leaf Machine has there own warranty standard and policies that DinkMar will pass on the end user.

**Comply**      **Yes**\_\_\_ **No**\_\_\_ **If No; attach a separate sheet for exceptions.**

Pricing for DinkMar Leaf Master Machine

\$29,500.00 Budget Cost

Option: Electric over Hydraulic Valves

Option: Kraft Trans Coupler Clutch

Option: 99hp John Deere 4045T

Option: 32"Fan for 96hp Motor Only

- A. 96hp Kubota Motor/ 80hp 4045D John Deere
- B. DinkMar Sheet Metal Package
- C. Engine Control Located by Operator
- D. Over Center Clutch Handle is Located by Operator Seat
- E. 11" Twin Disc or 13" Automotive Clutch
- F. 16"x 10' Rubber Intake Hose
- G. Rider Seat with Seat Belt
- H. Joy Stick Control and Single Control at Operator Seat
- I. 3<sup>rd</sup> Axis Boom Assembly 80/85 Degree and 10'6" Reach
- J. 16" Steel Exhaust Tube with Hydraulic Power Movement
- K. 4 Gallon Hydraulic Oil Tank and 40 Gallon Steel Tank
- L. 5 GPM Gear Driven Hydraulic Pump
- M. 30" Diameter Fan (Material AR400f)
- N. Taper Locking Hub for Fan Assembly
- O. One Part Liner for Easy to Remove and Install New Liner
- P. Tubular Slide Tongue and Hitch Assembly
- Q. LED Lighting System (Tail Light, Makers, Stop & Turn)
- R. 4-5V Common Back Belt Rated for 110hp