

# LCT600-2 Axis

## Belt Driven Leaf Collector



Municipal Products  
Since 1910

- John Deere Diesel Engine  
84HP turbo diesel
- 2 Axis Hydraulic Hose Boom  
moves left/right and up/down
- Gear Motor Boom Drive  
Swings boom 180 degrees
- Joystick Controlled Boom  
effortless leaf vacuuming



\*Shown with optional hydraulic parking jack



## ODB Company

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# LCT600-2 Axis

## Belt Driven Leaf Collector Basic Specifications

<b>Engine</b>	John Deere 4045T water cooled 4 cylinder turbo diesel engine; 84 HP; 4.5 Liter (276 CID) with wet-sleeve engine liners.
<b>Air Cleaner</b>	Dry element with pre-cleaner.
<b>Radiator</b>	Pressurized, heavy duty. Trash style with 6-blade fan.
<b>Radiator Screen</b>	Constructed of ½" expanded flattened steel with steel mesh. Screen is bottom hinged to allow for cleaning without powering down the engine.
<b>Engine Controls</b>	Mounted in clear view and reachable with ease inside a hinged instrument panel. All gauges and engine wiring are connected to a state-of-the-art circuit board for easier and more reliable connections. Gauges include: Tachometer, hour meter, volt meter, fuel gauge and oil pressure gauge. All monitoring gauges have backlighting. Automatic safety shutdown for high temperature or low oil pressure with LED indicator lights.
<b>Sheet Metal</b>	Engine is covered by a custom sheet metal enclosure with a removable top without tools. The enclosure has front and rear access doors, which are louvered for proper air circulation and twist and turn latches. Two doors are provided on top of the enclosure for convenient access to the radiator cap and oil fill cap.
<b>PTO</b>	Heavy duty 13" automotive style PTO and clutch.
<b>Drive Type</b>	4 -groove Kevlar power band with equal size pulleys.
<b>Trailer</b>	One-piece construction, 1/4" formed steel plate
<b>Axle</b>	2.5 inch Torflex axle rated at 6,000 pounds with electric brakes.
<b>Tires</b>	ST225-75R15 radials mounted on steel white spoke rims and EZ lube hubs.
<b>Tow Tongue</b>	Telescoping tongue, adjustable from 48" to 84". Constructed of 4" x 5 steel tubing.
<b>Pintle Hook</b>	Heavy duty pintle eye that is height adjustable with out the use of tools
<b>Parking Jack</b>	Heavy duty top wind jack with steel wheel.
<b>Trailer Lighting</b>	LED type stop/turn signals as well as clearance lights; rear of unit has an oval LED amber strobe light.
<b>Battery Box</b>	Lockable, located below trailer bed. Easily accessible.
<b>Fenders</b>	Steel wrap around style that are bolted to the trailer frame.
<b>Impeller</b>	32" diameter with 6 gusseted blades constructed of 3/8" thick abrasive resistant T-1 steel with a Brinell hardness exceeding 400. Each blade is gusseted on the back side and welded to a ¼" thick backing plate. Impeller blades are flat with serrated tips for increased wear. Impeller is secured to the shaft via a taper locking bushing. The impeller is completely stress relieved via Bonal stress relief technology to eliminate weld cracking and weld distortion for the highest structural integrity possible. This makes for the strongest and longest lasting impeller on the market.
<b>Impeller Shaft</b>	2.25" diameter x 26.5" long.
<b>Impeller Bearings</b>	Two 2.25" diameter double roller 4-bolt flange type bearings. The bearings have a dynamic load rating of 27,280 lbs. and a static load rating of 30,920 lbs. Bearings are mounted on plates that allow them to be removed along with the impeller and shaft by removing only eight bolts.
<b>Blower Housing</b>	40 degree style for minimal resistance. Outer housing is constructed of 10 gauge welded steel, front and back plates are 7-gauge steel. Inspection/clean out 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 opened.
<b>Liners</b>	Slip-in style which require no bolts. Made of ¼" abrasive resistant steel.
<b>Suction Inlet</b>	Located on curb side of unit.
<b>Intake Hose</b>	16" diameter x 120" long. Heavy duty wire reinforced 3/8" thick flexible rubber hose.
<b>Exhaust Duct</b>	Square duct extension of the 40 degree blower housing. Constructed of 12 gauge steel and centered directly over the tongue for a balanced unit.
<b>Exhaust Hose</b>	16" diameter x 48" long heavy duty wire reinforced 3/8" thick flexible rubber hose is connected to the exhaust duct.
<b>Hose Boom</b>	Hydraulically 2 axis (up/down & left/right) powered by a hydraulic pump that is gear driven via the engine's auxiliary drive. Boom swings left/right 180 degrees via a hydraulic gear motor and is raised and lowered via a hydraulic cylinder. The hose boom is mounted to and supported by an independent H-frame that is constructed of 4" square tubing. The entire H-frame is hinged to allow easy access to the blower housing cover. The boom swings forward or rearward to lock into travel position.
<b>Boom Controls</b>	A single joystick is provided to control the hose boom functions.
<b>Intake Nozzle</b>	16" diameter nozzle with 90 degree steel elbow that is constructed of 12 gauge steel and is suspended from the hose boom.
<b>Fuel Tank</b>	44 gallon capacity fuel tank manufactured of ¼" thick roto-molded polyethylene, located under the trailer bed. Electric fuel gauge located in the instrument panel.
<b>Tool Rack</b>	Rake and tool rack capable of holding 5 tools
<b>Storage</b>	Storage compartment with twist and turn latch.
<b>Paint</b>	All metal parts are thoroughly cleaned, primed, painted and dried separately. Each part is primed with a rust inhibitor primer and is painted with two coats of automotive quality paint. The parts are then assembled on the unit so that bolts, nuts, cables and grease fittings are not painted.
<b>Options</b>	<ul style="list-style-type: none"><li>● Hydraulic parking jack with caster wheel</li><li>● Remote electric engine throttle</li><li>● Fluid drive coupler in lieu of clutch and PTO</li><li>● 3 axis hydraulic hose boom</li></ul>



2 Axis Hose Boom is attached to a special swing away "H" frame that allows the user to remove the blower face without disconnecting the hydraulic hoses. It also creates a very strong support for the hose boom to swing on.



The 2 axis hose boom moves by a hydraulic cylinder up and down and a gear motor left to right. The gear motor allows the boom to pivot 180 degrees left to right.



The 2 axis boom is joystick controlled allowing simple, effortless movement of the hose. The joystick has a 8' long power cord.



The end of the hose has a 90 degree steel elbow to allow the hose to be placed directly on top of the leaf pile.

\*Specifications subject to change at any time without notice

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