



# Breakthrough Suction Power

Madvac LT500



# Madvac LT500

## Clean more in less time

### Large hopper for large litter

Based on the successful Madvac LX300, Madvac introduces the new LT500. The LT500 provides high volume litter collection in hard to reach areas, virtually transforming the traditional manual litter picker into a highly automated litter collection system, leading to increased productivity. By significantly reducing fatigue causing injuries, litter picking has never been safer than with the LT500.

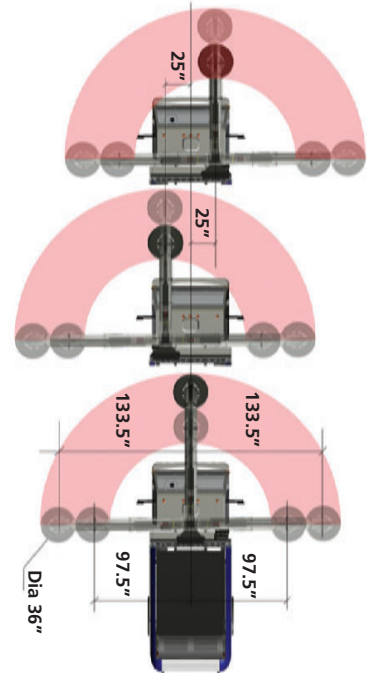
### Works anytime, anyplace

The LT500 vacuums trash and litter from trash cans, landfills, highways, parks and campgrounds, composting and recycling plants, streets, ditches, alleyways, racetracks, stadiums, ports, rail stations, zoos and many other hard to reach areas.



### Features and benefits

- Joystick controlled robotic vacuum hose arm collects debris in hard to reach areas and safely vacuums up trash cans.
- Easy to use joystick vacuum arm pivots 180° (degrees) around the vehicle, covering a 23 ft (7m) wide path.
- Large, 12 in. (305mm) dia. vacuum hose picks up heavy, large and awkward litter such as garbage bags, bottles, broken glass and cigarette butts on paved or grass surfaces.
- 6500 CFM (ft<sup>3</sup>/min) gives superior suction due to its patented straight-through suction system.
- High dump, with optional dump chute, for easy litter disposal into standard roll-off containers and refuse collection trucks.
- Water recirculation system via a hydraulically driven pump.
- Quick disconnect suction hood attachment available upon request.



### Options

- Wanderhose for hard to reach areas; tree wells, litter receptacles, in between cars, telephone booths and bus shelters. Easily pick up litter with a vacuum hose of up to 25 ft (7.6 m) long.
- Unique water recirculation system filters water from the debris hopper, resulting in less water usage and greater productivity.
- Dust suppression in hopper with rear tank capacity of 110gal (416L) and an optional side tank of 75gal (284L).

# “No Fan to Jam” technology with lifetime warranty

Outline Specification Madvac LT500		Engine		Chassis	
Length	219 in (5563mm)	HP	74HP @ 2600rpm	Payload capacity	3000lb
Length (w/boom in front)	272 in (6909mm)	Emissions	EPA Interim Tier 4	Suspension	Type: Multi-Leaf Front: 8440lb (3828 kg) Rear: 14550lb (6600 kg)
Width	87 in (2210mm)	Torque	165lb-ft @ 2600rpm	Brake	hydro-boost hydraulic w/ EBD 4 ch- anti lock braking
Height	126.5 in (3213mm)	Cylinders	4	Exhaust Brake	Vacuum operated
Hopper capacity	5 yd <sup>3</sup> (3.8m <sup>3</sup> )	Displacement	203 CID	Dual Steering (optional)	Integral Hyd power Tilt & Telescopic
Rear Dump Chute (optional)	52 in (1321mm)	Max Speed	2600 rpm	Frame	Section Modulus: 7.2in3 Res Bending Moment: 316,800lb-ft/in per rail
Speed Nozzle inlet	8500 ft/min (2591m/min)	Operation Speed	2000 rpm	Alternator	110A
Volume Nozzle inlet	6500 ft <sup>3</sup> /min (184 ft <sup>3</sup> /min)	Idle Speed	1100rpm	Batteries	2 @ 750 CCA Maintenance free
Fresh Water (optional)	110 gal (416L)	Chassis		Wheel Base	109 in (2.8m)
Re-circulated Water (optional)	75 gal (284L)	Make	Isuzu	Tires	225/70R - 19Sf (12ply)
Boom		Model	W5R042 NRR	Fuel Tank	30 gal (113L) in frame
Extension Horizontal	36 in (914mm)	Engine	Diesel Isuzu 4HK1 -TC Turbo/Intercooled 5.2L (317 CID) 205HP @ 2400rpm 441lbs-ft @ 1850rpm	Fuel/Water separator	Heated fuel/water separator with dash mounted indicator light
Swing	180 deg	Transmission	Automatic AISIN A 465 6 - speed		
Up/Down	101 in (2565mm)	Front Axle GAWR	6830lbs (3098kg)		
Extension Vertical	16.5 in (419mm)	Rear Axle GAWR	13660lbs (6186kg)		
Hose diameter	12 in (305mm)	GAWR	19500 lbs (8845kg)		
Engine		Rear axle ratio	5.857:1		
Make	Kubota				
Model	V3307-DI-T-E3B				



LEFT  
Joystick controlled robotic vacuum hose arm collects debris in hard to reach areas and safely vacuums up trash cans.

TOP RIGHT  
High dump, with dump chute for easy litter disposal.

BOTTOM RIGHT  
Remote pickup of litter with 25' handheld vacuum hose.

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