Madvac[®]

ELECTRIC ALL-TERRAIN LITTER VACUUM

LN50

Compact power. True performance. Urban-ready.

Small enough for tight spaces. Strong enough for serious debris. The LN50 is your electric solution for everyday city cleaning.



WHERE IT WORKS BEST

Tested and proven in the field, the LN50 is ideal for cleaning around schools, hospitals, transit hubs, downtown cores, and public parks. From curbsides and alleys to parkways and sidewalks, it delivers quiet, zero-emission performance—making it the most affordable and environmentally responsible litter vacuum in our lineup.



WHAT SETS IT APART

Clean anywhere. Disturb no one. Powered by clean energy.

The LN50 combines all-day electric performance with unmatched maneuverability—making it the most affordable and environmentally responsible litter vacuum in our lineup. Tested, proven, and ready for the realities of modern city cleaning.

TECHNICAL SPECIFICATIONS

Drive

102V brushless DC motor w/ 17:1 e-axle and shockdamping coupler.

Vacuum rating Up to 1800 CFM

Maximum speed 12 mph (20 km/h)

Battery

Dual 14.4kWh -102V batteries Long-lasting, highperformance Li-NMC technology.

Autonomy

Up to 9 hours

Litter capacity 66 gal. (250 L)

Maximum gradeability

KEY FEATURES AND BENEFITS

HIGH-PERFORMANCE LI-NMC BATTERY TECHNOLOGY Equipped with a Li-NMC battery from Zero Motorcycles, the LN50 delivers up to 9 hours of runtime with 3× the energy density of standard systems—maximizing efficiency in a compact electric design.

FAST, VERSATILE LITTER REMOVAL—
NO MATTER THE DEBRIS

With up to 6× the productivity of manual litter picking and a wide cleaning path, the LN50 boosts efficiency without compromising performance in real-world conditions. From dry to damp or wet waste, the LN50 handles it all effortlessly.

BUILT TO LAST

10-12 Year Lifespan

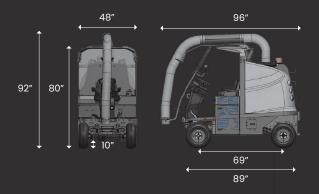
Most machines don't make it past a few seasons. Ours are built for the long haul—durable, reliable, and easy to maintain.

EASY TO DEPLOY, EASY TO OPERATE

No CDL Required

No commercial license required. Its intuitive interface makes onboarding quick and integration seamless.

DIMENSIONS



BUILT YOUR WAY

Tailor your machine to your workday. From added comfort and safety to increased flexibility, our optional features let you adapt your equipment to the demands of your environment—so every shift runs smarter:

48 IN. (1219 MM) VACUUM HEAD Covers more ground, faster.

RETRACTABLE WANDER HOSE
Extended reach for hard-to-access litter.

LITTER COLLECTOR BAGS OR BAGLESS DEBRIS SYSTEM (KEVLAR BIN)

Choose your preferred waste collection setup.

WATER MIST SYSTEM

Enhances dust control under dry conditions.

HEATED SEAT

Extra comfort for cold-weather operations.

TIRE FLATPROOFING

Reduces downtime caused by punctures.

CONTACT US

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