Madvac® LR50e – The ‘must-have’ ALL-ELECTRIC litter vacuum for your fleet

Specifically designed to remove litter on or off road and meet your zero-emission environmental objectives.

Vacuum litter in locations that have various obstacles and surface types:
- **Area:** streets, parks, sidewalks, bike and pedestrian lanes, parking lots, curb side, alleys, public markets, alongside buildings, pathways, etc.
- **Obstacles:** bus shelters, lamp posts, benches, fire hydrants, etc.
- **Paving type:** grass, asphalt, concrete, cobblestone pavement.

LR50e is the ultimate compact litter vacuum for:
- Cities & municipalities
- Transit authorities
- Distribution centers
- Shopping malls
- Educational and sports facilities
- Industrial areas
- Airports
- Casinos
- Amusement parks
- Seaports
- Military

**Safe & easy to use** – Does not require a CDL. Simple ergonomic controls, all-round visibility, safe to drive in crowded areas - anyone can operate this unit.

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Built To Suit Your Needs

Configure the LR50e according to your specific litter control application(s)

- 48” (1.2 m) wide vacuum head for effortless litter collection (option). Clean 105,00 sq.ft. (14,000 m²) / per hr;
- 15 ft. (4.5 m) wander hose to remove litter in hard-to-reach areas (option);
- Complete street-legal lighting / signaling package (option);
- Cab enclosure with heater keeps operator dry and comfortable (option).

The Madvac Advantage

LR50e is the only 100% electric compact litter vacuum built and serviced in North America

- Specifically designed for North American working conditions;
- 10 to 12-year lifespan;
- Dealers across North America are the best outdoor cleaning experts;
- Parts shipped within 48 hours;
- Sourcewell (formerly NJPA) awarded contract vendor (#122017-EXP).

Sourcewell
Formerly NJPA

Awarded Contract

Contract # 122017-EXP

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LR50e Characteristics

The LR50e is powered using a Lithium-Ion high-energy battery pack. When fully-charged, offers approximately 6 hr autonomy. Batteries are charged using a standard 120/240 volt wall socket.

Madvac LR50e Highlights

Performance

- Collect litter up to 6 times faster than manual picking;
- User-friendly 6 position joystick makes litter picking effortless and injury-free;
- 2900 CFM vacuum rating picks-up the heaviest litter;
- “Turn on a Dime” turning radius offers fast and safe maneuvers in any environment;
- 20” (508 mm) drive wheels climb 7” (178 mm) curbs with ease;
- 270-degree arm movement with 24 sq.ft. (2.2 m3) working area for unparalleled accessibility to litter;
- Vacuum compacts litter 2:1 ratio: 100-120 gallons (378-454 L) into a single heavy-duty disposable or re-usable bag;
- Straight-through suction system collects litter that is dry, humid, or wet.

Operator

- Operator-friendly control panel is easy to use;
- Single traction pedal – neutral, forward & reverse (no shifter).
- High operation seating for excellent safety and visibility;
- Adjustable suspended air seat with 3-point seat belt;
- Heavy-duty coil spring rear suspension offers more comfort, better traction and a safer ride;
- Roll Over Protection System (ROPS) provides additional safety;
- 340-degree rear visibility reduces risk of accidents.

Maintenance

- No oil, hydraulics, spills, or filters – minimal maintenance, minimal down-time for parts;
- Easy access to electrical panel and battery pack;
- No debris goes through the fan - no fan to jam.

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# Madvac® LR50e Data and Performance Information

<table>
<thead>
<tr>
<th><strong>Power</strong></th>
<th><strong>Vacuum System</strong></th>
<th><strong>Litter Collection System</strong></th>
<th><strong>Cab</strong></th>
<th><strong>Dimensions</strong></th>
<th><strong>Electrical</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Pack</td>
<td>Fan Motor</td>
<td>Frame / Body</td>
<td>Cab</td>
<td>Width</td>
<td>Voltage</td>
</tr>
<tr>
<td>Lithium-Ion high-energy capacity, deep cycle 25 KW/h</td>
<td>Electric with permanent magnets (Brushless DC motor)</td>
<td>Heavy gauge steel body on a welded ¼ in. structural steel frame</td>
<td>Cab forward design, 200 degree vision (Option)</td>
<td>48 inches (1219 mm)</td>
<td>48 Volts fused electrical system with master disconnect On/Off</td>
</tr>
<tr>
<td>Voltage</td>
<td>Vacuum Rating</td>
<td>Litter Capacity</td>
<td>Windshield</td>
<td>Height</td>
<td>12 Volt fused electrical system</td>
</tr>
<tr>
<td>48 Volts battery packs</td>
<td>2900 CFM</td>
<td>100 – 120 gal. (378 L – 454 L)</td>
<td>Full panoramic windshield (Cab Option)</td>
<td>108 inches (2743 mm)</td>
<td>Speed, Hour meter, Energy recuperation, Battery charge level</td>
</tr>
<tr>
<td>Charger</td>
<td>Air Flow Speed</td>
<td>Vacuum Type</td>
<td>Propulsion</td>
<td>Wheel Base</td>
<td>Forward/Reverse, Power consumption and Vacuum consumption</td>
</tr>
<tr>
<td>2 Integrated chargers 7 Kw each on board</td>
<td>8,400 ft./min</td>
<td>“Flow through” system with 2 to 1 compaction ratio with reusable fibrous polypropylene bags</td>
<td>Forward, Neutral and Reverse. No shifter</td>
<td>63 inches (1600 mm)</td>
<td>Diagnostic screen &amp; Logged-in last hour of operation</td>
</tr>
<tr>
<td>Charger Outlets</td>
<td>Static Pressure</td>
<td>Vacuum Hose</td>
<td>Steering</td>
<td>Ground Clearance</td>
<td>Converter</td>
</tr>
<tr>
<td>Standard 120/12.5 Amps, 20 hours (1 charger 120V) Standard 240/12.5 Amps, 10 hours (2 charger 120V)</td>
<td>30 in. of water gauge (7.472 KPA)</td>
<td>8 in. (203 mm), joystick controlled</td>
<td>Adjustable tilt steering column</td>
<td>8 inches (203 mm)</td>
<td>AC to DC converter for accessories</td>
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<tr>
<td><strong>Traction</strong></td>
<td><strong>Suspension</strong></td>
<td><strong>Protection</strong></td>
<td><strong>Charging</strong></td>
<td><strong>Lighting</strong></td>
<td><strong>Front</strong></td>
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<tr>
<td>Drivesystem</td>
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<td>Multi layer transverse, beam axle leaf springs with torsion bars</td>
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<tr>
<td>Propulsion 9 Kw with 18 to 1 ratio</td>
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<td>Heavy duty shocks &amp; springs</td>
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<tr>
<td>Steering</td>
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<tr>
<td>Automotive type, power assisted</td>
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<td>Pedal</td>
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<tr>
<td>Neutral safety switch</td>
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<tr>
<td>Forward Speed</td>
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<tr>
<td>12 mph (19 km/h)</td>
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<td>Brakes</td>
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<td>Fail-safe emergency magnetic brakes</td>
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<td>Tires</td>
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<td>Radial 145R12</td>
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**PROUD MANUFACTURER OF THE MADVAC PRODUCT LINE**

<table>
<thead>
<tr>
<th>Headquarters:</th>
<th>Toll Free</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>2170, De La Province</td>
<td>1 855 651-0444</td>
<td>Tel. 450 651-0444</td>
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<tr>
<td>Longueuil (Quebec)</td>
<td></td>
<td>Fax. 450 651-0447</td>
</tr>
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