

# Mac Vac® LS125 VEVE

Indoor / Outdoor

Lithium battery pack with up to 9 hours autonomy





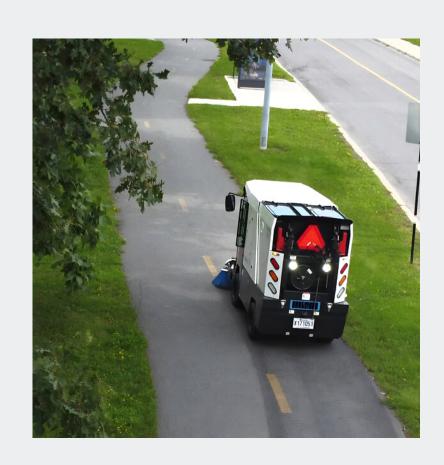
### Specifically designed to handle all the areas your large street sweeper can't access or manage

- Sidewalks
- Bike & pedestrian lanes
- Parking lots
- Curb side

- Alleys
- Pathways
- Alongside buildings
- Public markets
- Indoor parking garages

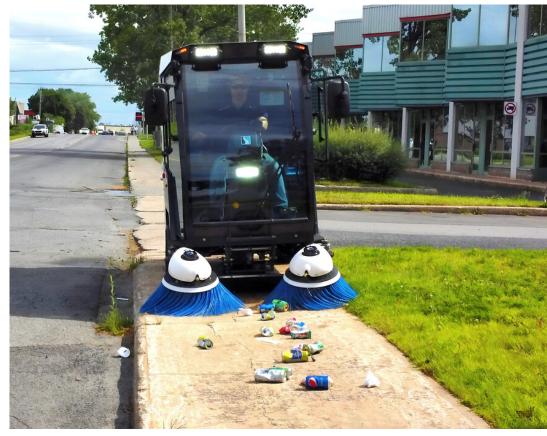


### Electric LS125 is the ultimate sweep / vacuum / wash mobile cleaning unit for



- Cities and municipalities
- Outdoor cleaning contractors
- Airports & seaports
- Transit authorities
- Healthcare services
- Distribution centers
- Shopping malls

- Educational & sports facilities
- Manufacturing facilities
- Amusement parks
- Casinos
- Military
- Correctional facilities















### **Key Attributes**

- LS125 runs using one of the best compact battery models on the market – Lithium–Ion nickel manganese cobalt (Li NMC), providing up to 9 hours of autonomy and 3 times better "energy per weight and volume" ratio in the industry;
- LS125 is the ONLY electric 48" wide closed cabin highdump sweeper manufactured in North America. Everything is built according to North American standards;
- OEM spare parts shipped within 48 hours;
- 10 to 12 year lifespan will outlast most competitive models;
- A CDL permit is not required to operate this machine;
- Fully street legal lighting safe and easy to use;
- For maintenance, LS125 offers unprecedented easy access to all critical components of the machine; (Electrical boxes, hydraulic components, main vacuum gate valve);
- Madvac has a 35+ years track record of success –
   when your machine is due for replacement we'll still be around.



### Built to suit your needs

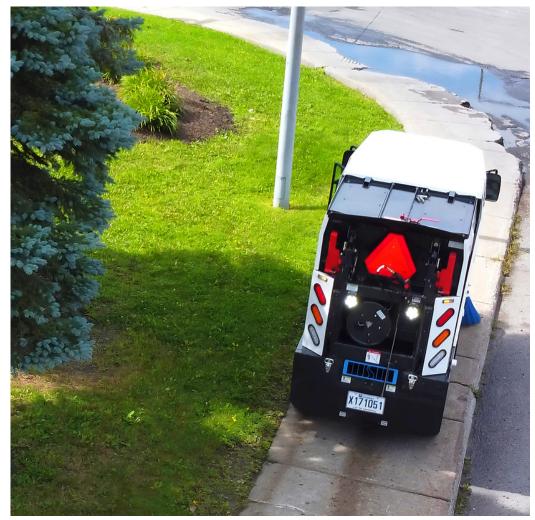
Configure the LS125 according to your specific requirements

- Stowed retractable wander hose
- Pressure washer gun
- Radio + CD + MP3 player system
- Heated mirrors
- Fire extinguisher
- Tire flatproofing













## LS125 V = V

Data & Performance Information

Power	
Power pack	Lithium-Ion nickel manganese cobalt (Li NMC) high energy capacity, up to 69.2 kw/h
Voltage	102 volts battery pack (4 batteries)
Charger outlet	J1772 level 2, 240V/24A
Charging time	9 hours / standard 220V (7.2 kW) charging station.

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Autonomy Up to 9 hours

#### Litter Collection System

Litter capacity 1.25 cu.yd. / 0.96 sq.m. / 252 gal.

Type 3-stage filtration process -

water mist system, rotary filter, panel filter Frame / body Welded steel plate frame, aluminum body

Container material Stainless steel
Dumping height 67 in. (1702 mm)

Container tipping 142 deg.

angle

Container payload 2000 lbs (907 kg)

Power wash Pressure washer 2100 psi (optional)

#### Vacuum System

Vacuum rating Up to 2350 CFM

Remote vacuum 5 in. (127 mm) X 12 ft. (3.66 m) stowed wander hose

(optional)

Traction

Drive Rear wheel drive fully controlled by electric pedal

Forward speed 15 mph (24 km/h)

Tires Radial 225 R 12 on all 4 wheels

Brakes Front hydraulic standard brakes; rear electro

magnetic parking brake

Gradeability 11.3 deg. (20%)

Curb weight Dry 5500 lbs (2495 kg)

Suspension

Front Two coil springs / heavy duty shock absorbers
Rear Two coil springs / heavy duty shock absorbers on axle

Sweep Gear	
Brushes	Two brushes (independently joystick controlled) 25 in. (635 mm) diameter each polypropylene
Sweeping width	From 44 in. (1118 mm) to 80 in. (2032 mm)
Pickup nozzle	Electric raise/lower with polymer skate and wheels
Brush speed	0 RPM to 150 RPM
Brush arm	Floating and adjustable
In-cab	Brush speed & down pressure
Electrical	
Lighting	1 headlight; 2 hazard lights; 4 work lights; 4 strobe lights; side panel direction lights; brakes, turn, reverse signals, SMV sign
Instruments	Hour meter, energy recuperation, battery charge level, no water indicator, brake indicator, left turn signal, battery indicator, right turn signal, speed, Key ignition for starting and stopping the vehicle

Cab		
Cab	200-degree cab vision	
Windshield	Full windshield laminated glass	
Windows	Full ventilation, pivoting side windows that open each side	
Light	Interior dome light (2)	
Heating / AC	Electric HVAC unit	
Defrost	Windshield heated micro filament   Heated mirrors (optional)	
Seat	Adjustable pneumatic seat with 2 point seat belt	
Convenience	Console accessory box with USB and 12V aux outlet	
Displays	Steering-column mounted 4.3" (109 mm) display for vehicle-related information   Overhead mounted 7" (178 mm) touchscreen display for sweeper-related information and HVAC controls   Permanent rear-view monitor	
Dimensions		
Width	48 in. (1219 mm)	
Length	136 in. (3454 mm)	
Height	78 in. (1981 mm)	
Wheelbase	65 in. (1651 mm)	
Ground clearance	e 8.5 in. (216 mm)	
Hydraulic System		
Drive system	Electric permanent magnet motor	





Proud manufacturer of the Madvac product line

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Sourcewell (US) and Canoe (Canada) contract vendor number: 093021-EXP