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High-power Multifunctional Road Sweeper

Model: HD-E850FB

Patent: Enclosed Road Sweeper (HD-E850FB)

Patent No.: ZL20163012333.0

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MN-E850FB is a high-power electric enclosed sweeping machine featuring a dual-fan, dual-filter, dual-shaker dust filtering system. It has a large filtering area and achieves automatic filter shaking without stopping during operation, resulting in excellent cleaning performance and high efficiency. It comes standard with a 48V 200Ah ultra-large capacity lithium battery for long working time. Equipped with a 4KW high-pressure washing and fog cannon, it can wash waste bins, remove small advertisements, and perform dust suppression. The large water tank can meet the needs of long-term spraying and washing operations, making it suitable for various cleaning tasks.



- Lithium Battery
- Spray Dust Suppression
- Fog Cannon

- Internet of Vehicle
- High-pressure Washer
- Air Conditioner

Applications



1. Municipals
4. Squares

2. Factories
5. Parks

3. Campus
6. Hospitals

Cleaning Objects

It can effectively clean various types of hard surfaces such as concrete, asphalt, irregular stones, terrazzo, or brick surfaces. It is especially suitable for cleaning solid particles like sand, fallen leaves, small stones, dust, regular household solid debris, and so on.



1: Asphalt road

2: Stone road

3: Cigarette butts

4: Fallen leaves

5: Cement road

6: Brick road



Features

- Fitted standard with 48V200Ah Lithium Battery pack, providing 6-8 working hours. Utilizes A-grade battery cells with life over 3000 cycles, backed by a 3-year warranty and an actual lifespan exceeding 8 years.
- Features a 200L large water tank to meet the demands of prolonged spraying and washing operations.
- Fitted with 4KW high-pressure washer and fog cannon for washing waste bins, removing small advertisements, and performing dust suppression.
- Utilizes a dual-fan, dual-filter, dual-shaker filtering system with a large filtering area. Achieves automatic filter shaking without stopping during operation, significantly extending the filter lifespan. High-pressure axial-flow fans provide strong suction and excellent dust removal performance.
- Equipped with rear-foldable dual doors for ventilation and cooling in summer and warmth in winter.
- Wiring Harness complies with TS16949 standards, ensuring reliable power supply. All wiring materials are flame-retardant and exposed components use waterproof terminals.
- One-time stamping chassis for light weight and strong load-bearing capacity.
- High-quality electrical control system with overcurrent and undervoltage protection for enhanced safety. Driving system with downhill overspeed protection, slope anti-slip function and electromagnetic braking.

Functions

1. Rearview mirror
2. LED Headlights
3. Cabin
4. Step
5. Side brushes
6. Fog cannon
7. Hose reel
8. Water filling port
9. Taillights
10. Drawer-type garbage bin with wheels
11. Tires
12. Warning beacon
13. Charging port
14. Function switch
15. Seat
16. Emergency stop
17. Wiper
18. Turning light switch
19. Control button (Horn, Filter shaker, Dust suppression, Main brush, Side brush, Forward/Reverse)
20. Lift of front flap
21. Fan
22. USB
23. Wiper switch
24. Power switch
25. Accelerator pedal
26. Parking pedal



Specifications

No.	Item	Unit	Specs
1	Dimensions (L×W×H)	mm	2100×1300×1950
2	Sweeping width	mm	≥1900
3	Working efficiency	m ² /h	>13000
4	Climbing ability	%	>20
5	Main brush	mm	790
6	Side brush	mm	500
7	Battery (Lithium)	/	48V/200Ah
8	Charger	A	30
9	Charging time	h	7.5
10	Working hours	h	6~8
11	Water tank	L	200
12	Garbage bin	L	180
13	High-pressure pump	KW	4
14	High-pressure max water flow	L/min	15
15	High-pressure max pressure	MPa	20
16	Length of pipe	M	8
17	Driving motor	W	3000
18	Working motors (Main brush + Fans+ Side brushes + Filter shaker+ Dust suppression)	W	800+250×2+80×4+50+5
19	Filtering area	m ²	4×2
20	Driving speed	km/h	10
21	Max working speed	km/h	7
22	Turning radius	mm	1200
23	Wheelbase	mm	1065
24	Front suspension	mm	495
25	Rear wheel track	mm	1023
26	Tire		400×100
27	Chassis		One-time stamp
28	Automatic filter shaker		Yes
29	Net weight (Lithium Battery)	kg	835

Note: Specifications and details are subject to change without further notice.