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High-power Road Sweeper

Model: HD-E810FB

Patent: Enclosed Road Sweeper (HD-E810FB)

Patent No.: ZL20163012333.0

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MN-E810FB is a high-power electric enclosed sweeping machine characterized by low noise, flexible operation, minimal consumables, and high cleaning efficiency. It is suitable for use in harsh environments with cold climates and high levels of airborne dust and sand. It is particularly suitable for environments such as coal mines, flour mills, cement plants, ceramic factories, furniture factories, etc. Its dust suction performance surpasses that of similar products.



- 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 48V150Ah Lithium Battery pack, providing 4-6 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 1KW high-pressure washer for washing waste bins, removing small advertisements.
- Utilizes a large filtering system with a large filtering area. 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. Warning beacons
2. Charging port
3. Function switch
4. Taillights
5. Cabin
6. Emergency stop
7. Drawer-type garbage bin with wheels
8. Taillights
9. Rearview mirror
10. Wiper
11. LED Headlights
12. Side brushes
13. Turning light switch



14. Control button (Horn, Filter shaker, Dust suppression, Main brush, Side brush, Forward/Reverse)
15. Lift of front flap
16. Fan
17. USB
18. Wiper switch
19. Power switch
20. Accelerator pedal
21. Parking pedal





Specifications

No.	Item	Unit	Specs
1	Dimensions (L×W×H)	mm	2100×1300×1950
2	Sweeping width	mm	≥1900
3	Cleaning efficiency	m ² /h	>13000
4	Climbing ability	%	>20
5	Main brush	mm	790
6	Side brush	mm	500
7	Battery (Lithium)	/	48V/150Ah
8	Charger	A	20
9	Charging time	h	8
10	Working hours	h	4~6
11	Water tank	L	200
12	Garbage bin	L	180
13	High-pressure pump	KW	1
14	High-pressure max water flow	L/min	8
15	High-pressure max pressure	MPa	11
16	Length of pipe	m	8
17	Driving motor	W	3000
18	Working motors (Main brush + Fan + Side brushes + Filter shaker + Dust suppression)	W	800+350+80×4+50+5
19	Filtering area	m ²	8
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	/	400-8
27	Chassis	/	One-time stamp
28	Automatic filter shaker	/	No
30	Net weight (Lithium Battery)	kg	790

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