

SMB 900/340

floor scrubber manual



Please read this manual carefully before use

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1.0 Overview



Note: Please read this manual carefully before operating the

battery-type floor scrubber.

Preface

This floor scrubber is a cleaning machine that uses a brush disc motor to drive a brush head to clean the floor. It is suitable for cleaning hard floors while absorbing sewage and taking sewage away from the site. It has the advantages of environmental protection, energy saving, and high efficiency. Under the action of cleaning fluid/agent, better cleaning effect is achieved.

Use

The scientific name of this machine is a hand-push fully automatic floor scrubber dryer. It is suitable for places with vast hard floors such as office buildings, hotels, hospitals, shopping malls, restaurants and factory workshops. Machinery replaces manpower, making cleaning operations more efficient and faster.

This device is not suitable for use in the rain or under a water cannon. It is strictly prohibited to use this equipment to collect hazardous dust or flammable liquids in flammable and explosive environments. In addition, the equipment is not suitable for use as a transportation vehicle.

2.0 Summary of safety issues



Note: Operators please read this manual carefully

- Before starting any work, be sure to be familiar with all the design, control methods and functions of the floor washing machine.
- When using this floor washing machine for the first time, the operator should place it in an open area to understand its various functions.
- Before starting any operation, check the condition of the floor scrubber and its parts under normal circumstances and during operation.
- If the floor washing machine is not working properly, the equipment cannot be used.
- The operator must use the floor scrubber in the appropriate application field (cleaning hard floors) when operating it.
- When operating, pay attention to obstacles in the workplace, such as stairs, shelves, etc., and pay attention to the surrounding people, especially children.
- Use appropriate detergents (when using detergents with floor scrubbers, you can only use detergents in accordance with the detergent manufacturer's instructions, appropriate dosage and restrictions).
- This floor scrubber can only be maintained and repaired by properly trained personnel using appropriate tools.
- Turn off the power or remove the battery when cleaning or maintaining this floor washer.
- It is prohibited to use high-pressure water or steam equipment to clean this floor scrubber.
- Do not allow water to enter electrical components.



Note: It is prohibited to use this floor scrubber to clean flammable liquids, solvents, fuels, reactive metal vapors or flammable dusts.

3.0 Technical Parameters

Item Parameters	Item Parameters
Rated voltage	DC24V
Power	320W
Work efficiency	800 m³/h
Brush disc diameter	280mm
Water absorption width	340mm
Clean water tank capacity	6L
Sewage tank capacity	9L
Brush motor	24V:200W
Water suction motor	24V:120W
Noise level	78dB
Lithium battery	DC24V 12Ah/16Ah
Battery life	1.5h/2.0H
Overall machine weight	including packaging29 kg
Net weight	23 kg
Product size	584*401*1044mm
Packaging size	990*490*440mm

4.0 Packaging and disassembly of the machine

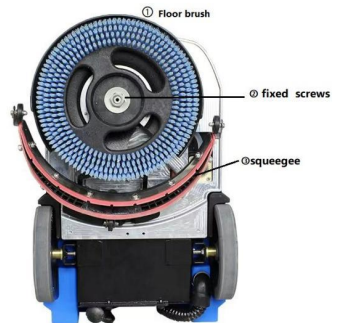
4.1 Packaging - The equipment comes in specific packaging with wooden pallets for easy loading and unloading by forklifts. The packaging dimensions are as follows: length 990mm, width 490mm, height 440mm.

- 4.2 Disassembly - (1) Tear off the wrapping film
- (2) Cut off the packaging tape
- (3) Take away the packaging cardboard
- (4) Take out the accessories
- (5) Use the slope to slide the machine off the wooden pallet.

5.0 Assembly instructions

● 5.1 Installation of floor scrubber brush tray

- Turn the machine backwards and lift the brush tray at the front of the machine.
- Place the brush plate (1) into the center of the machine head motor shaft fixing nut (2).
- Manual installation: Place the brush tray into the brush cover, align it at the bottom, and tighten the fixing nut to complete the installation.
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- If using a needle holder, adhere the scouring pad to the needle surface of the needle holder and follow the installation steps of the floor scrubber. (Needle seat and scouring pad need to be purchased separately)



● 5.2 Installation of squeegee

- The squeegee has been debugged and installed before leaving the factory.
- If installation is required, connect the squeegee assembly (3) to the middle of the bottom of the machine
- Hang the squeegee and tighten it.
- The upper, lower, front and back sides of the adhesive strip are replaceable.



6.0 Operation preparation

6.1 Select accessories

Nylon brush: suitable for cleaning rough, irregular floors or smooth floors.

Scouring pad and needle seat brush: suitable for flat polished floors.

6.2 Fill the clean water tank with water

There is a water injection port (5) at the rear end of the floor washing machine water tank (4). Unscrew the plastic cover and inject water directly.

Inject clean water and an appropriate amount of detergent into the clean water tank according to the stains on the floor.

Warning! If the detergent used produces too much foam, it means that the detergent is not suitable for automatic floor washing machines. Please add an appropriate foaming agent or replace the detergent, otherwise the water suction motor will be burned.



7.0 Control Instructions

7.1 Instructions on the correct operating steps for starting up the machine

Install the squeegee and brush tray correctly respectively and place them flat on the ground.

Press and hold the power switch for 3 seconds (7). The power indicator light is on (8), and when it stays on, the machine is turned on.

After observing and confirming, press the brush plate motor switch (9), water release switch (10), and water suction switch (11), and then "press" the button to turn it off.

How to adjust the water volume. The default standard water volume is the factory default. If a large water volume is needed, press and hold the water release button for three seconds until the red light flashes, indicating that the switch is successful.

Button description: for normal use, just turn on the power and turn on the brush tray, water release, and water suction switches below to clean the floor. After use, turn off the brush tray, water discharge, and water suction switches, and then turn off the power.



7.2 Control panel indicator light description

The power indicator light (8) on the top of the panel shows the battery power (from left to right, from weak to strong). When the right indicator light is on, the battery power is sufficient. If only the left indicator light is on, it warns that the battery is low, and the machine must be stopped immediately and fully charged in time.

☆ **Special reminder:** To maintain the normal service life of the battery, you must fully charge the battery in time after each use of the machine. Excessive charge and discharge will affect the performance of the battery. Be sure to use a special matching charger for charging.

7.3 Warning and operation description of the full sewage tank

When the sewage water level in the sewage tank is close to the highest limit of the water level, the protective cover will float and block the pumping outlet (12) so that the vacuum motor cannot work normally and make different noise. (At this time, water-absorbent will not suck the ground with water.) You should immediately turn off the water absorption motor and brush motor

, Push the machine to the place where the sewage is discharged, and put the sewage hose

(13) Remove it from the bracket clip, and pull the tube cover in the direction of the ground ditch to drain the sewage.



8.0 Common faults and treatment methods

8.1 Fault analysis and processing form

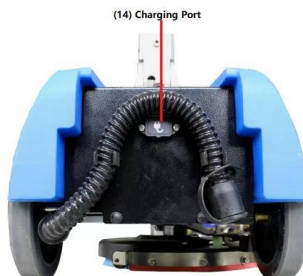
Failure Cause Analysis Solution	Failure Cause Analysis Solution	Failure Cause Analysis Solution
The machine cannot operate	Power switch button Lost spiritual replacement button panel	Power switch button Lost spiritual replacement button panel
	Insufficient battery power charging	Insufficient battery power charging
	Battery damage to replace the battery	Battery damage to replace the battery
	The battery wiring loosen or aging tighten the wiring or replace the wiring	The battery wiring loosen or aging tighten the wiring or replace the wiring
	Motherboard damage to the manufacturer	Motherboard damage to the manufacturer
	Line failure contact manufacturer	Line failure contact manufacturer
The brushing motor cannot run	Swiping switch failure	Change the keyboard
	Broken motor damage or its line damage	Contact the manufacturer
	Cyc -brushing motor carbon brush is seriously worn	Contact the manufacturer
	Mainboard damage contact loose	Contact the manufacturer
Water absorption motor cannot run	Water absorption switch fails	Change the keyboard
	Water absorption motor or its line is damaged	Contact the manufacturer
	Poor carbon brush for water absorption motor	Contact the manufacturer
	Mainboard damage contact loose	Contact the manufacturer
Washing water is very small or no	The water valve is too small or closed	Adjust the water valve switch
	The location of the water pipe is blocked	Use fine iron wire to clear the pipe mouth
	Water outlet hose or filter block	Rinse the water pipe or filter filter with water
	Putting water solenoid valve blocked	Disassemble and open water solenoid valve cleaning
Can't suck water or not clean up	Full sewage tank	Empty sewage tank
	The pollution pipe is blocked loose	Tighten the stain staining pipe blocked
	Water scraping components are blocked	Cleaning water scraping component
	Water scraping strip wear	Turn or replace
	The position of the scrape is incorrect	Adjust the height of the scraper and the ground
	The water absorption pipe is not reliable to connect with water scraping components	Reliable connection water absorption pipe
	Water absorption pipe blocking	Clear the block

	Damage to the water absorption pipe	Replace the water absorption pipe
	The sewage tank cover is not covered well	Cover
	The sewage tank cover sealing strip is damaged	Replace the sealing tape
	Water absorption motor damage	Contact the manufacturer
Short running time	Low battery power	Charge
	The battery has been damaged	Replace the battery
	The battery should be used correctly	See battery use maintenance
	Battery charger is damaged	Maintenance or replacement charger

9.0 Maintenance

9.1 Daily maintenance and maintenance

- (1) Remove the needle seat/brush plate, and use a specific cleaner to clean it.
- (2) Riff the water in the sewage tank and rinse it with water. Check that there are fragments in the sewage tank. If any, please remove it immediately. In addition, the remaining solvent in the water tank must be discharged. [Twist the water filter to clean]
- (3) Improve the water scraping component to leave the ground and scrape the strip with a wet towel.
- (4) Remove the vacuum -absorbing filter device and rinse with water.
- (5) Wipe the machine with a specific cleaner.
- (6) Charging the battery. **【Charging Pack (14)】**
- (7) Check whether the edge of the scrape is sharp, if it is damaged, please please
Display or replacement.



9.2 monthly maintenance and maintenance

- (1) Check whether the top of the bottle is cleaned to prevent corrosion.
- (2) Check whether the battery connection line is loose or corroded.
- (3) Check the sewage tank lid densely. If there is any damage, please replace it.
- (4) Use specific lubricating oil to smooth all the lubrication sites and transfer axis.
- (5) Check whether the machine fastener is loose.
- (6) Check whether the water tank is leaking.

9.3 Maintenance of motor

- (1) Motor maintenance shall regularly dust removal, loosen the wiring and insulation protection.
- (2) After 250 hours of use, the motor carbon brush should be checked. If the carbon brush is severely worn, please contact the manufacturer.

9.4 battery maintenance

- (1) Please follow the battery chapter in the operation manual of each manufacturer for maintenance.
- (2) The top of the battery and the electrode must be corrosive, and soda water can be used to corrode, and this solution must not be entered into the battery.
- (3) Wipe the battery and battery connection line with a brush with soda water.
- (4) Regularly check whether the battery connection cable is worn and the contact parts are loose, please replace if necessary.

9.5 Machine Storage

- (1) Store in the room and store in a dry place.
- (2) Store upright.
- (3) Improve the brush disk and leave the ground.
- (4) Improve the water scraping component to leave the ground.
- (5) If the place is extremely cold, keep the machine completely dry before storing the machine to avoid damage caused by low temperature.
- (6) Dry the sewage tank and water tank.

General security

In order to avoid the damage of personnel and machines, please read the following terms carefully:

1. Please read the stickers and logos on the body carefully. You must not cover them anyway. If you find damage, you should replace it immediately.
2. This machine can only be operated by authorized and trained personnel.
3. When machine work, please pay attention to the safety of other people, especially children.
4. This machine is not suitable for clean carpet.
5. Never mix two detergents, which may produce harmful gases.
6. When there is residual liquid in the machine, do not install the machine into the container.
7. Do not put it side or upside down during the handling process.
8. The storage temperature of the machine must be -25°C to 50°C .
9. The operating conditions of the machine: room temperature 0°C to 40°C ; air humidity 30 to 95.
10. Never use this machine in the explosive environment and high dust environment.
11. Prohibit the use of this machine to transport items.
12. Prohibit the use of acidic solutions to avoid damage to people and machines.
13. Do not run a cleaning brush when the machine does not move, which may damage the floor.
14. Forbidden use of flammable liquid.

15. This machine is not suitable for cleaning dangerous stolen goods.
16. When the machine is on fire, please use dry powder fire extinguishers to extinguish. Do not use water to extinguish fire.
17. Do not approach the risk of the fall or the scaffolding.
18. In order to avoid the emergence of unstable situations, the machine is prohibited from working under the conditions of allowable slopes.
19. It is forbidden to run the machine on the ground with severe or large garbage.
20. The machine must complete the cleaning and drying the ground at the same time, and the notice sign should be hung when operating in the slippery area.
21. When the machine fails at any time, please confirm whether it is caused by insufficient maintenance. If not, please contact the nearest service center for help.
22. When you replace your accessories, please ask for the authorized agent or authorized retailer to ask for the original accessories.
23. Please use the original cleaning brush according to the guidance of "selection and use of cleaning brush".
24. Whenever the machine's maintenance is completed, the power of the machine should be disconnected immediately.
25. Any maintenance and maintenance must be restored to all electrical connections.
26. The protective device must be disassembled with a dedicated tool.
27. It is forbidden to directly wash the machine with corrosive reagents or high -pressure water.
28. After 200 hours of use, the machine should be professional or after the trainer check the machine.
29. Never add a cleaning agent a few hours before the machine use.
30. Before using the machine, install all the hoods and lids in accordance with the instructions.
31. When dealing with consumer goods, be sure to conduct in accordance with local laws and regulations.
32. After several years of efficient operation, the machine should be scrapped. You should carefully handle the oil, battery and electrical components in the machine. All components of this machine are composed of renewable materials.
33. Please keep this machine properly so that children can prevent children dangerous to play with this machine.