



YZ-X8 FLOOR SCRUBBER

Operating instruction

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This manual provides necessary instructions for machine operation and maintenance. Please read and understand this manual carefully before operating or using the machine.

When ordering replacement parts, refer to the spare parts manual that comes with the machine.

Before selecting parts or accessories, please confirm your machine model number and serial number.

You can order parts and accessories by telephone or by mail from any authorized service center or distributor.

This machine can provide excellent service.

If you can then do the following, you will be able to achieve the best results at the lowest cost:

- Operate the machine with care and care.
- Regular maintenance of the machine according to the maintenance instructions provided in the operation manual.
- The use of the original factory or the same grade of parts for maintenance.

To protect the environment

Dispose of packaging materials, batteries and other old machine components, antifreeze, oil and other toxic liquids in accordance with local waste disposal regulations and in the premise of maintaining environmental safety.

Make sure you do a good job of recycling.



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Matters needing attention

This machine is suitable for industrial and commercial use. It is specially used for cleaning the hard floor in the room. It cannot be used for other purposes. Please use the recommended cleaning MATS and brushes, as well as the floor cleaners available on the market for this machine.

All operators must read, understand and follow the following safety precautions. The following is a description of the safety warning symbols and "for safety" headings used in this manual:

Warning: Used to warn of a risk or unsafe operation that could result in serious personal injury or death.

To be on the safe side: To indicate what must be observed when using the machine to ensure safety.

Failure to follow these warnings may result in personal injury, electric shock, fire or explosion.

Warning: Fire or explosion danger:

Inflammable liquid shall not be used;

Do not operate the machine near or in places where flammable liquids, gases or dust are present.

This machine is not equipped with explosion-proof motor.

If used in places with inflammable gas, liquid or ash, the electric motor will generate sparks during starting and operation, which may lead to flash fire or explosion.

Do not pick up inflammable materials or active metals.

A battery emits hydrogen gas.

Stay away from sparks or open fires.

Keep the battery compartment open while charging.

Warning: Electric shock hazard.

Disconnect the battery before repairing the machine.

Warning: Swivel brush running.

Keep your hands away.

Please turn off the power before repairing the machine.

The following information indicates conditions that may pose a potential hazard to operators or equipment, To be safe:

1. Do not operate the machine:

Contact with flammable liquids or near flammable gases, otherwise it may cause an explosion or flash fire.

Unless you are trained and authorized to operate the machine.

Unless you have read and understood the operation manual.

Except in the case of correct operation.

2. Before starting the machine:

Make sure all safety devices are located and operated correctly.

3. When using the machine:

Walk slowly on slopes and slippery surfaces.

Wear non-slip shoes.

Slow down when you turn.

Damage to the machine or failure of operation should be reported immediately.

Never allow children to play on or near the machine.

Follow the mixing ratio and treatment instructions on the chemical container.

4. Before leaving or repairing the machine:

Place the machine on a level ground.

Once the machine is shut down.

5. When repairing machines:

Avoid moving parts.

Do not wear loose-fitting tops, shirts or cuffs.

Disconnect the battery before operating the machine.

Please wear protective gloves and eye protection equipment when handling battery or battery wiring.

Avoid contact with battery acid.

Do not flush the machine with high-pressure spray or water pipe.

Use replacement parts provided or approved by the manufacturer.

All repairs must be carried out by qualified maintenance personnel.

Do not modify the original design of the machine.

6. When moving machines:

Please shut down the machine.

Do not move the machine while the battery is installed.

Please move the machine with the help of others.

When loading and unloading machines from trucks or trailers, use the suggested loading level.

To attach the machine to a truck or trailer by means of a rope.

Lower the brush head to the lower position.

To receive the machine

Unpack the machine

1. Please check the packing case carefully for any damage. Report any damage to the freight forwarder immediately.
2. Check the contents of freight but only. If there is any missing items, please contact the dealer.

Freight contents:

- 6V battery 4 with one standard
- 24V battery charger 1 with one standard
- A set of battery cable _ standard
- Water absorption strip 1 pay a standard
- Wash the ground brush 1 with a standard
- One pin disc with one standard
- Other accessories are also available

3. Before unpacking the machine, please remove the shipping fasteners and ropes that fix the machine to the warehouse.

With the assistance of others, careful from the stack to remove the machine.

Note: : If the loading and unloading flat is not used, do not push the machine directly to avoid damage to the machine.

Note: To avoid damage to the machine, please unload the machine from the warehouse before installing the battery.

Install the battery

Warning: Fire or explosion danger.

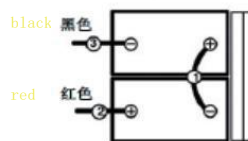
The battery emits hydrogen gas.

Please use high spark or open ignition source.

Keep the cap open while charging.

Forsafety reasons: When repairing the machine, please wear protective gloves and eye protection equipment when handling battery and battery wiring. Avoid contact with battery acid.

1. Place the machine on the level ground and take the spoon.
2. Lift the sewage tank to expose the battery
3. Carefully install the battery in the battery compartment and connect the battery cable as shown in the picture below



Note: Do not put the battery into the battery compartment to avoid damage to the battery and the machine.

4. Before connecting the battery, please make sure the electrode and electric terminal are clean.

Use electrode cleaning fluid and wire brush as required.

Note: Apply a thin layer of metal-free lubricating oil or protective spray to the wiring to prevent battery decay.

5. After the electric bottle is finished, please check the power scale of the battery. Charge the battery as needed.

Machine cleaning mode

Cleaning method:

Manually control the water valve to adjust the amount of water in the water tank and the amount of detergent that flows to the ground.

The brush cleans the floor with a solution of detergent and water.

At the same time as the machine is moving forward, with water suction scraper will be on the floor of the sewage suction tank.

Brush and hundred clean mat information

For best performance, use the correct brush type for cleaning. Recommended brushes and clean pads are as follows:

Soft nylon brush, white

It is recommended that the coated floor be cleaned without damaging the floor. Clean without scratches.

Polished pad, white

Used to maintain highly polished smooth or polished floors.

Cushion, red

Used for scrubbing slight dirt without harming the ground.

Gravity mat, black

Used to forcibly remove heavy coating or substrate, or for ultra strong scrubbing

The machine installation

Install suction harrow assembly

1. Park the machine on the level ground and take out the key.
2. Lower the suction lift lever to the lower position.
As shown in the figure, install the water absorption gripper to the water absorption gripper mounting bracket. Make sure to place the fastening knob into the jack completely before tightening the knob
4. Connect vacuum suction hose to suction scraper assembly.
5. Check water absorption strip and make appropriate adjustment

Install brush and clean pad

Note: Please refer to the "Information on Brushes and MATS" section of this manual, or contact your local authorized dealer for more information.

1. Place the machine on the level floor and take out the key.
Step on the lift pedal of the brush head to lift the brush head off the ground
3. Put the baiqing pad on the needle seat before installing the drive plate.
Fasten the central lock to secure the clean pad.
4. Align the pin holder/brush mounting pin into the motor drive disc clasp and press the brush disc motor switch.
5. To remove the pin base and brush, step on the lifting pedal of the brush head to lift the brush head off the ground and press the motor switch of the brush plate.

Machine operation

For safety: Do not operate the machine until you have read and understood the operation manual.

Warning: Do not operate near or in areas with flammable liquids, gases or dust.

Pre-operation inspection

Dust the ground with your mouth.

Check the power scale of the battery.

(Refer to battery meter)

Check the wear of the pads/brushes.

Check the wear condition of the suction strip and adjust the Angle appropriately.

Make sure the tank is empty and a clean floating screen has been installed.

Check for wear on the brush head skirt.

Operating the machine

1. Turn the main power key to the position (I).
 2. Pull down the suction scraper lifting lever to lower the suction scraper assembly to the ground.
 3. Step on the lifting pedal of the brush head to lower the brush head to the ground.
 4. Turn on the water control knob.
 5. Press the brush plate motor switch, and then press the suction motor switch.
 6. Motor driven model: Adjust the speed control knob to your desired cleaning speed
- Note: It is recommended to use a cleaning speed of 45-60 meters per minute.

Machine operation period

Warning: Fire or explosion danger.

Do not pick up inflammable materials or active metals.

1. Each cleaning path overlaps by 5cm.
2. Keep the machine moving so as not to damage the ground.

If after absorbing water, there is drag mark on the ground, wipe test tape with a rag
Remove the laksa.

Clean beforehand to prevent drag marks.

3. Do not operate the machine with a slope of more than 5% (3°).
4. For safety: When using the machine, move slowly on slopes and slippery surfaces.
5. If there is too much foam, pour the recommended antifoaming agent solution into the sewage tank.

Note: Do not let foam into the filter to avoid damaging the vacuum motor.

The foam will prevent the filter switch from failing.

6. Use double cleaning to clean extremely dirty areas.
First lift the water absorbent steak for cleaning, let the solution soak for 3-5 minutes, then lower the water absorbent steak and clean again.
7. Replace or rotate the baijie mat as necessary.
8. Observe the electricity consumption of the battery power meter (see "Battery power meter").
9. Check the amount of remaining liquid through the tank level gauge.
About 10 litres per 10 minutes for conventional washing;
10. When the water tank runs out of solution, empty the sewage tank and refill the solution.
11. When staff leave the machine, please park it on the level floor and take out the key.
After cleaning, perform daily maintenance procedures.

Battery meter

The battery meter will show how much power the battery has.

All the indicators go on when the battery is fully charged.

The indicator lights will go off from right to left as power is consumed.

To extend battery life, do not let the indicator light go off below the power consumption.

Note: In order to extend the life of the battery, please be sure to charge the battery after the total service hours of the machine exceed 30 minutes.

Cistern drainage

The sewage tank should be drained and cleaned after each use.

The clean water tank should be cleaned regularly to remove any corroded areas. Transfer the machine to the drainage location, turn off the power key, and drain according to the following discharge instructions: For safety: Before opening or repairing the machine, please park the machine on the level ground, turn off the machine and take out the key.

Discharge tank

1. Unscrew the drain pipe cover of the sewage tank in the direction of reverse clock and remove it
2. Open the cover of the sewage tank and flush the tank
3. Remove and rinse the floating filter screen in the sewage tank.

Battery charging

Note: In order to extend battery life and ensure optimal performance of the machine, the battery must be charged at least 30 minutes after the machine is in use.

Do not leave the battery uncharged for a long time.

The following charging instructions apply to the charger attached to the machine.

Be sure to use the following chargers to avoid battery damage.

Battery charger Specifications:

- Charger type: charger for lead-acid battery
 - The output voltage is 24 volts
 - Output current 1.15 amperes
 - Automatic power off circuit
 - It is suitable for deep circulating battery charging
1. Move the machine to a well-ventilated place for charging.

Warning: Fire or explosion danger.

The battery emits hydrogen gas.

Please use high spark or open ignition source.

Keep the battery compartment open while charging.

2. Park the machine on the level ground and turn the key to the closed position.

3. Check the electrolyte level in each battery unit before charging.

For safety reasons: When repairing the machine, please wear protective gloves and eye protection equipment when handling battery and battery wiring.

Avoid contact with battery acid.

4. When charging, open the sewage tank to the side for ventilation

5. Plug the charger's AC (AC) power cord into a well-grounded power outlet.

6. Insert the DC line of the charger into the charging socket of the battery behind the sewage tank.

7. The charger will automatically start charging and will automatically close when it is full.

Note: the machine will not operate when connected to the charger.

Note: During charging, do not pull out the Dc cable of the charger from the socket.

To avoid arc discharge.

If you must stop charging during the charging process, please remove the AC power cord first.

Warning: Fire or explosion danger.

The battery emits hydrogen gas.

Stay away from sparks or open fires.

Keep the battery compartment open while charging.

9. After charging, check the electrolyte level again.

The machine maintenance

As long as the daily, weekly and monthly maintenance procedures are followed, the machine can be kept in top working condition.

Warning: Electric shock hazard.

Disconnect the battery before maintaining the machine.

Daily maintenance after each use

1. Drain and clean the sewage tank

2. Remove and rinse the floating filter screen located in the sewage tank

3. Drain the clean water tank and flush the tank with hot water not higher than 60° C as required

4. Remove the clean pad/brush for cleaning.

If there is wear, roll over or replace the clean mat

5. Wipe the absorbent paddle.

The water-absorbing gripper assembly shall be placed in the raised position to prevent damage to the rubber strip.

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6. Check the abrasion condition of suction scraper blade edge.
If there is any wear out, change the two ends of the tape.
 7. Wipe the machine with a multi-purpose cleaner and wet cloth.
For the sake of safety, do not spray the machine with high pressure
Spray or hose down the machine to avoid electronic parts failure.
 8. Check the wear condition of the skirt edge of the brush head, and replace it if it is worn or damaged.
 9. Charge the battery. In order to extend the service life of the battery and ensure the optimal performance of the machine, the battery must be charged after the machine has been used for more than 30 minutes.

Monthly maintenance per 80 hours of use

1. Remove the clean water tank filter from under the machine and clean the filter screen, making sure to empty the water before removing the filter
Box.
2. Clean the top of battery to prevent electrode corrosion (refer to "Battery Maintenance").
3. Check whether the battery wiring is loose.
4. Check and clean the seal of the sewage tank cover.
Replacement in case of damage.
5. Spray silicone dry lubricant on all pivots and rollers and cover with a waterproof lubricant to protect
Smooth operation of the wheel shaft.
Check whether the nuts and bolts on the machine are loose.
6. Check the machine for leakage.

Quarterly maintenance

Check brush wear of drive motors (drive models), vacuum motors and brush motors every 250 hours.

When the brush length is less than 10mm wear, it is necessary to replace the brush.

If the machine needs repair, please contact the authorized service center.

Warning: Electric shock hazard.

Disconnect the battery before repairing the machine.

Handling machine

When using a truck or trailer to move the machine, follow the following procedures:

1. Raise the brush head to the handling position.
2. Use the suggested loading platform and loading machine.
3. Position the front of the machine close to the front of the truck or trailer. When the machine is in place, lower the brush head and turn the key to the closed position.
4. Place obstacles behind each drive wheel to prevent the machine from sliding.
5. Use a rope to secure the top of the machine to prevent it from leaning. You must install brackets on the chassis of a truck or trailer.

For safety: When handling machines, use the recommended loading and unloading loading and unloading machines from trucks or trailers, and attach the machines to the boards with ropes.

Storage of the machine

1. Please charge the battery before storage.
2. Do not store when the battery has run out.
3. Drain and rinse the sink thoroughly.

Store the machine in a dry place and keep the brush head in the raised position.

4. Open the cover of sewage tank for ventilation.

Caution: do not let the machine be exposed to rain. Store it indoors.

5. Such as
5. Store the machine in a cold environment, and make sure to drain all the liquid inside the machine.

troubleshooting

| Same problem | cause | solution |
|--------------------------------|---|--|
| The machine is inoperable | The battery is dead | The battery is charged |
| | Battery failure | replace battery |
| | Battery wiring is loose | Tighten the battery wiring |
| | Replace the main | fuse when it blows |
| The brush motor is not working | Lift the brush head off the ground | lower the brush head |
| | The battery meter is locked and not started | The battery is charged |
| | The brush plate motor circuit breaker triggers the power switch | reset the brush circuit breaker button |
| | Brush (up/down) switch failure | please contact service center |
| | Motor carbon brush wear | please contact service center |
| The vacuum motor does not work | Water suction steak rises off the ground | drops water suction steak |
| | Vacuum motor fuse blown | replace the fus |
| | Vacuum motor or wiring fault | please contact service center |
| | Motor carbon brush wear | please contact service center |
| Little or no flow out | Drain tank filter or solution pipe is blocked | clean drain tank filter |
| | The flow control knob is set too low | 0 adjust the flow control knob |
| | Loosen the screw of the control-system knob | lubricate the knob and tighten the screw |

| | | |
|-------------------------------------|---------------------------------------|-------------------------------|
| Waste water recovery is inefficient | The sump is full | drain the sump |
| | Water absorbing strip wear | replace water absorbing strip |
| | The suction pipe is blocked | remove the blocked debris |
| | If the seal of sewage tank is damaged | replace the seal |
| | Vacuum motor fault | please contact service center |
| Reduced running time | Battery defective | replace battery |
| | Battery charging failure | repair or replace the charger |

| | | |
|-----------------------------------|-------------------|----------------|
| Clean efficiency | m ² /h | 6440 |
| Brush plate width | mm | 570*2 |
| Water absorption scraping width | mm | 920 |
| Cleaning width | mm | 1000 |
| The rotation speed of brush plate | RPM | 230 |
| Brush plate motor power | W | 550*2 |
| Water absorption motor power | W | 600 |
| Cleaning/sewage tank capacity | L | 150/160 |
| The capacity of the battery | AH | 24/200 |
| Working hours | H | 4-5 |
| Product size | MM | 1650*1180*1450 |



Inspection Certificate

Number: _____

| | | | | | |
|-------------|--|---------|--|-------------|--|
| Model | | Motor | | Accessories | |
| Power cable | | Switch | | Shell | |
| Suction | | Control | | Fuselage | |
| Function | | Manual | | Package | |



Warranty Card

Number: _____

| | | | |
|--------------------|--|-----------------|--|
| Name | | Tell | |
| Mailing address | | | |
| Purchase time | | Bill number | |
| Product number | | Fuselage number | |
| Replacement parts | | Date | |
| Fault description: | | | |

Warranty conditions:

1. Within the date of purchase, the motor is guaranteed for one year (if it is more than 7 days from the date of purchase, no replacement, only warranty).
2. Before using the equipment, you must understand the instructions and safety instructions.
3. During the warranty period, the artificial damage of warranty accessories will not be guaranteed.
4. During the warranty period, users who do not follow the operation instructions or dismantle and repair by themselves will not be guaranteed. (if repair is needed, the cost of production will be charged)
5. ~~The buyer shall take the invoice to the place designated by the seller for repair, or send the machine back to our company for repair. (return freight, insurance paid by yourself)~~