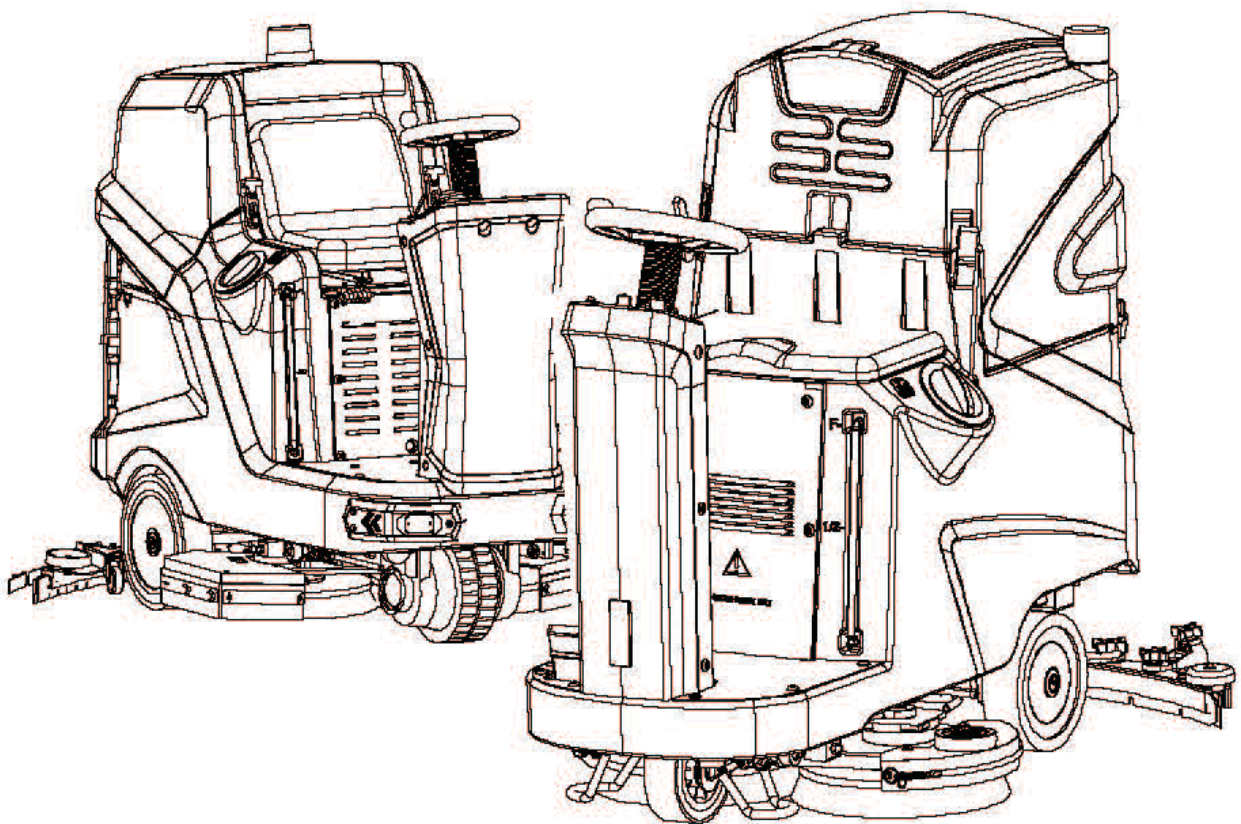


Ride-on Floor Scrubber

Applicable Models: G22RB/G26RB/G34RB

User Manual

V1.0



REMINDER

Please check the machine carefully after unboxing.

If you find any abnormalities or missing parts, please contact the after-sales service team immediately.

Please follow the manual strictly and maintain the machine regularly according to the provided maintenance instructions.

APPLICATION SCENARIOS

The machine is suitable for commercial floor cleaning, especially for cleaning schools, hospitals, offices, shopping malls, supermarkets, and hotels.

The machine is recommended for cleaning indoor concrete floor, based floor, ceramic tiles, various types of stone floors, and other resilient floors, but it is not recommended for outdoor rough floors and large-area scenarios.

Please do not remove solid waste stains such as gravel, dust, paper scraps, and leaves, as well as perform deep cleaning tasks.

SYMBOLS INTRODUCTION IN THIS MANUAL



Attention:

Indicates that improper operation may cause serious injury

Indicates that improper operation may cause injury to minors or property damage.

Indicates that improper operation could lead to personal injury or death.

Indicates that improper operation may lead to property damage.

WARNING



Attention:

Do not operate the machine under the following conditions:

- Persons with physical or mental disabilities (including children) or persons without training and authorization are not allowed to use this product.
- Failure to read, understand and follow the instructions in this operation manual.
- After taking alcohol or drugs.
- This machine must not be used outside the range of usage conditions. The recommendations are as follows: room temperature between 0°C and 40°C, relative humidity between 30% and 95%.
- Located in areas where flammable vapors/liquids or flammable dusts are present.



Attention:

Do not use or pick up flammable materials or reactive metals.

- This machine is not equipped with an explosion-proof motor. The motor generates sparks during start-up and operation, which may cause a flash fire or explosion if the machine is used in areas where flammable vapors/liquids or flammable dusts are present.



Attention:

- Do not use acidic solutions, as this may damage the machine or endanger the operator.
- Do not touch the floor pad/disc brush with your hands when it's rotating for cleaning.
- Improper handling of the battery can lead to explosion or fire. The battery, please open the battery compartment for heat dissipation and keep away from any open flames.
- Before cleaning and maintaining the machine, please disconnect the battery and charger cables.
- Do not charge the battery with a damaged power cord.
- Do not modify the plug.
- If the charger power cord is damaged or broken, it must be replaced by the manufacturer or the technical agent or qualified person, to avoid danger.

SAFETY TIPS

1. Before Transporting and Installing the Machine:

- To ensure safety: Wear protective gloves and professional protective shoes.
- When assembling or not in use, please make sure to turn off the machine switch and disconnect the power supply.
- When assembling or not in use, please ensure that the machine's wheels and body are secured to prevent any unwanted movement.
- Do not park the machine on surfaces with a huge slope.
- Please use an inclined surface to unload the machine and avoid the wheels straight up and down and excessive bumps.

2. Before Operating the Machine:

- Please check if the machine body is complete, whether there is any damage or missing parts.
- Please check if the brush, squeegee, and rubber strips are properly installed.
- Before operating the machine, check for any potential risks of liquid leakage.

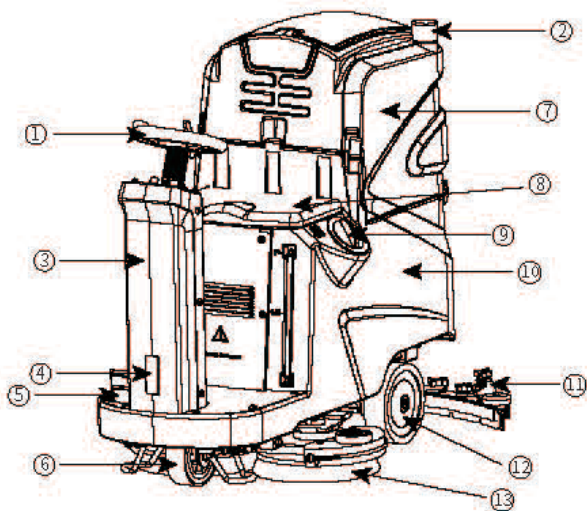
3. During Machine Operation:

- If the machine is damaged or fails to operate, please stop using it and contact the after-sales engineer in a timely manner.
- Pay attention to personal protective equipment; do not wear shorts, slippery shoes, or flip-flops.
- Avoid using flammable, acidic solutions, or cleaners with excessive foam to prevent defoliating agent foam from entering the vacuum motor inlet.
- Please use neutral cleaning agents; otherwise, it may cause chemical damage to the machine's materials or components.

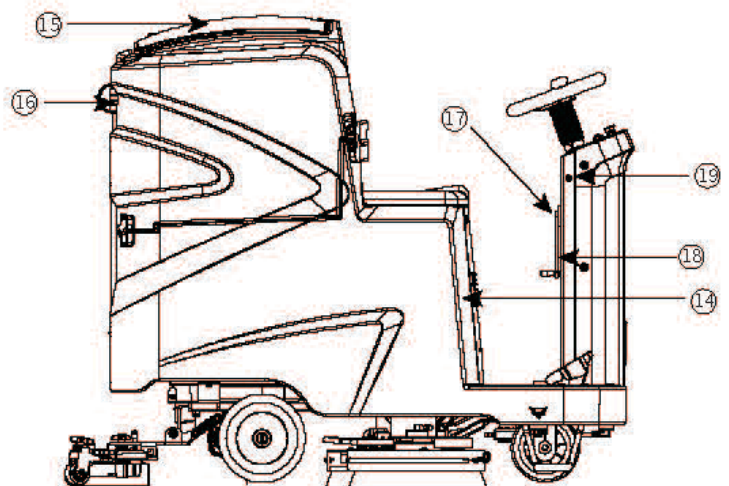
4. Before Leaving or Maintaining the Machine:

- Park the machine on an even floor surface.
- Before maintenance, please turn off the power supply.
- Do not use non-original accessories, as they may cause machine malfunction, personal injury, or property damage.
- No unauthorized disassembly of the machine is allowed, and all repairs must be carried out by authorized personnel.
- No unauthorized modifications to the machine are permitted.
- Please wear personal protective equipment when using/maintaining the machine.

MACHINE PARTS (G22RB/G26RB)

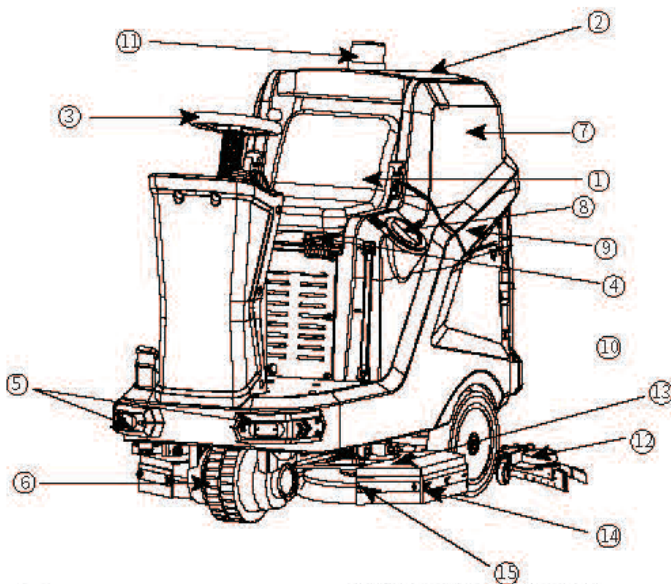


- | | |
|---------------------|--------------------------|
| 1.Steering Wheel | 8.Seat |
| 2.Warning Lights | 9.Solution Tank Cover |
| 3.Front Cover | 10.Solution Tank |
| 4.Front LED Lights | 11.Squeegee Assembly |
| 5.Accelerator Pedal | 12.Drive Wheel |
| 6.Front Wheels | 13.Machine Head Assembly |
| 7.Recovery Tank | |

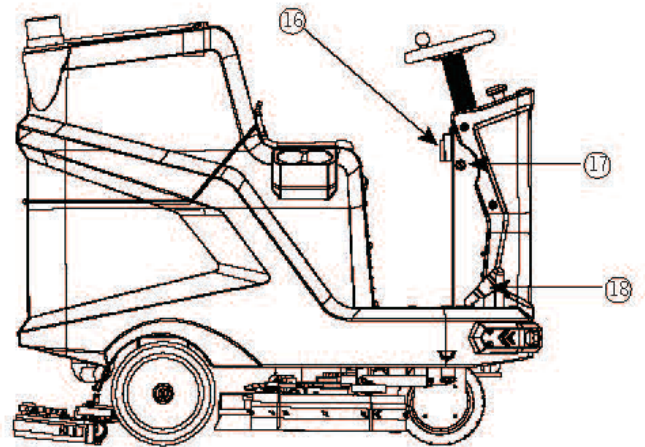


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|-----------------------------|---------------------------|
| 14.Drain Pipe | 17.Squeegee Lifting Lever |
| 15.Recovery Tank Cover | 18.Brush Lifting Lever |
| 16.Recovery Tank Drain Hose | 19.Key Switch |

MACHINE PARTS (G34RB)



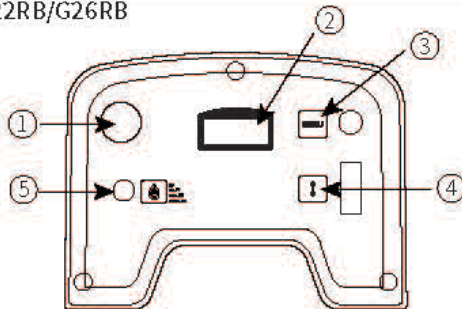
- | | |
|--------------------------|---------------------------|
| 1. Seat | 9. Water Level Indicator |
| 2. Recovery Tank Cover | 10. Solution Tank |
| 3. Steering Wheel | 11. Warning Light |
| 4. Seat Adjustment Lever | 12. Squeegee Assembly |
| 5. Anti-Collision Light | 13. Machine Head Assembly |
| 6. Drive Wheel | 14. Filter |
| 7. Recovery Tank | 15. Water Valve Assembly |
| 8. Solution Tank Cover | |



- | | |
|-------------------------------|-----------------|
| 16. Handset USB Charging Port | 18. Drive Pedal |
| 17. Key Switch | |

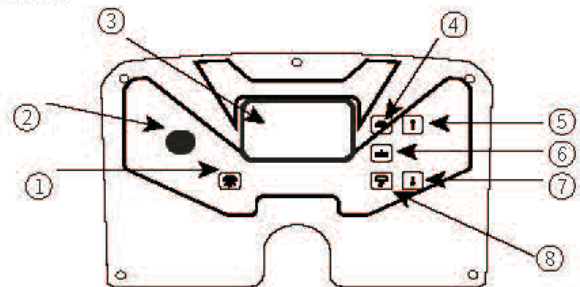
CONTROL PANEL

▲ G22RB/G26RB



1. Emergency Stop Button
2. LCD Display
3. Menu Button
4. Advance and Reverse Button
5. Adjust the Water Volume

▲ G34RB



1. Automatic Brush Up and Down Switch
2. Emergency Stop Switch
3. LCD Display
4. Brush Lifting Button
5. Forward Button
6. Squeegee Lifting Button
7. Reverse Button
8. Water Volume Adjustment Button

BATTERY

Before the first use, the battery must be charged

- ⚠ Attention: The room where the battery is charged must be well-ventilated, and the battery compartment should be opened to prevent the accumulation of any leaked gases.
- ⚠ Attention: The following operations must be performed by qualified personnel. Incorrect connector connections may cause equipment failure.
- ⚠ Note: Using an incompatible battery charger may lead to battery damage and fire accidents

BATTERY USAGE

1. Transport the machine to a well-ventilated area;
2. Park the machine on a dry and level surface, turn off the machine, open the electrical compartment cover, and remove the key;
3. Connect the charger's DC cable to the machine's battery charging port, then plug the AC power cord into a properly grounded wall outlet;
4. Once fully charged, a green light will come on, and it can be turned off. Depending on the type of battery, the longest charging cycle can reach up to 12 hours;
5. After charging the battery, be sure to disconnect the AC power cord before removing the charger from the machine.

Battery Usage Precautions:

- Never place the battery in environments prone to fire, explosion, or excessive humidity to avoid the risk of explosion.
- Do not install, use, or store the battery in hazardous environments (electrified, damp, overheated, overly cold, strong magnetic fields).
- Avoid touching the battery with wet hands to prevent electric shock.
- Do not use flammable and volatile solvents (such as alcohol) to clean the battery and terminals to avoid fire. If cleaning is necessary, use a dry cloth.
- If the battery exhibits noises, abnormal temperature, leakage, or other abnormalities, immediately cease charging or use.
- Dispose of used batteries in accordance with local regulations, fully discharge the battery before disposal, and wrap the terminals with insulating paper to prevent fire or explosion.
- For chargers, regularly check if the charger cables are damaged. Do not use the machine if they are.
- Always pay attention to the battery charge level during each use. If the battery charge is low, charge it in time to prevent over-discharge.
- Before charging, turn off the key switch and do not turn on the machine.
- The normal charging time for a set of batteries is 10-12 hours. Ensure the battery is fully charged each time you use the charger to avoid battery damage.
- If the machine is not going to be used for a long period, ensure the battery is sufficiently charged and charge it once a month.
- If the battery charge level is at 30%, charge it in time and do not wait until the battery is completely drained.
- If the machine is not in use for an extended period, disconnect the power supply to prevent current discharge.
- Charge and store in a clean, ventilated, and dry place with a temperature of 0-35°C.

BRUSH AND SQUEEGEE ASSEMBLY INSTALLTION

▲ Squeegee Assembly Installation.

1. Loosen the two four-star nuts on the squeegee assembly, and then connect the suction pipe to the suction port on the squeegee assembly for installation.
2. Align the four-star nuts with the slots on the squeegee bracket, and then tighten the nuts.





▲ Install Brush:

 **Attention:** Wear personal protective equipment when performing operations and maintenance.

G22RB/G26RB:


1. Place the brush or pad holder directly under the machine head;
2. Lower the machine head lifting handle, grasp the sides of the brush with both hands, rotate the brush so that the pin engages in the slot, press the forward button, gently press the pedal, at this point the brush motor starts to rotate and completes the brush attachment.
3. Lift the machine head lifting handle.

G34RB:


1. Place the brush or pad holder directly under the machine head;
2. Tap this button  , The indicator light turns on when you swipe up  The machine head slowly descends (the brush disc motor does not rotate at this time)
3. Hold the sides of the brush with both hands, observe the position of the brush disc pin through the viewing window, and rotate the brush so that the pin engages into the groove.
4. Tap this button  The brush status indicator light is on  , The brush motor starts to rotate, and after about 5 seconds, the machine head lifts up.
5. The upper brushing procedure is completed, and the upper brushing indicator light goes out.


▲ Remove the Brush:

G22RB/G26RB:

1. Turn on the key switch, ensuring that the machine head is lifted;
2. Press and hold the menu button for 5 seconds, and the display screen will show the interface. 
3. Press the menu button again and hold it for 3 seconds, the machine will automatically release the brush plate/pad holder.

G34RB:


1. Turn on the key switch, ensuring that the machine brush is raised;
2. Press and hold the "Auto Brush Release" button for 5 seconds until the brush release indicator light comes on. 
3. The machine begins to execute the brush release procedure.

 Please note: If you have not successfully mounted the brush plate/pad holder, or if you have not successfully removed the brush plate/pad holder, please repeat the above operations.

MACHINE OPERATION

 Please note: Do not operate the machine without reading and understanding the operating manual.

G22RB/G26RB:

1. Turn on the key switch.
 - Power-on display information:
 - Brand:
 - Software Version: VER.XX
 - Operation display information:
 - Battery level:  (It blinks when the battery is low)
 - Total operating time: 00000:00 (hours: minutes)
 - Press the "MENU" button briefly to display battery voltage.
2. Travel (This machine is equipped with an electronic drive control system)
 - Direction switch set to forward gear, press down on the foot accelerator, the machine moves forward.
 - Direction switch set to reverse gear, press down on the foot accelerator, the machine moves backward.
 - Adjust the speed by changing the pressure applied to the foot accelerator.
 - When the blade is lowered, the machine can only move forward and cannot move backward.
3. Scrub the floor
 - Direction switch set to forward or reverse gear, lower the machine head assembly, and the brush plate motor starts working.
4. Suction of dirt
 - Lower the suction assembly, and the vacuum motor starts working;
 - When the suction assembly is lowered, the machine can only move forward, not backward;
 - Raise the suction assembly, and the vacuum motor will stop working after
5. Water volume adjustment
 - Through the water volume adjustment button, you can regulate the amount of water. WF0 is the off position, and WF3 is the fully open position, which provides the maximum water flow.

G34RB:

1. Traction (This machine is equipped with an electronic traction control)
 - Turn on the key switch;
 - When you press the forward button and step on the drive pedal, the machine will move forward, and the speed of the advance depends on the pressure on the pedal;
 - When you press the reverse button and step on the drive pedal, the machine will move backward, and the speed of the retreat depends on the pressure on the pedal;
 - When the water suction head is lowered, the machine can only move forward and cannot retreat.
2. Floor Scrubbing
 - Press the forward or reverse switch, press the brush plate lifting button, and step on the drive pedal, and the brush plate motor will start working.
3. Squeegee Drive
 - Press the forward button, then press the Squeegee head lifting button, at this time the vacuum motor starts to work.
 - When the suction head is lowered, the machine can only move forward and cannot move backward.
 - Press the suction head lifting button to raise the suction head, and the vacuum motor will stop after a delay of 10 seconds.

4. Water Volume Adjustment

- Press the water volume adjustment button, and the five water volume indicator lights will light up from right to left in sequence, with the water volume increasing accordingly; when no lights are on, the solenoid valve is closed.
- You can also manually adjust the water volume through the ball valve.

5. Energy-Saving Mode


- Holding down the water volume adjustment button for 3 seconds activates the energy-saving mode, and the indicator light turns on. The vacuum motor reduces its power output to lower noise levels. To turn off the energy-saving mode, hold down the water volume button for another 3 seconds.

6. Buzzer Volume Adjustment

- Press and hold both the water volume and the reverse buttons for 3 seconds to enter the water volume setting page.
- Long press the up and down brush buttons, and use the water volume or reverse buttons to make a selection by tapping.
- After adjusting the volume, tap the forward button to save the setting, then release the up and down brush buttons.
- Press and tap both the water volume and reverse buttons to return to the main page.

During operation, please follow these instructions:

1. Each cleaning path should overlap by 5 centimeters.
2. Keep the machine moving to prevent damage to the floor surface.
3. When cleaning along edges, be careful to avoid the machine hitting pillars and walls.
4. If there is too much foam in the sewage tank, please drain the sewage in time or add a defoamer.


 Attention: Excessive foam can cause the vacuum motor to malfunction.

ENDING WORK

At the end of the work, before carrying out any maintenance, please follow these instructions:



- Lifting the machine head assembly stops the brush plate motor from working.
- Lifting the suction assembly delays the shutdown of the vacuum motor (T90/T150 models delay for 15 seconds, T130/T150 PRO models delay for 10 seconds).
- Empty and clean the sewage tank.

 Attention: Wear personal protective gloves to prevent contact with cleaning agents.

 Attention: Please move the machine to an area suitable for sewage discharge to prevent pollution.

MACHINE MAINTENANCE

Machine Storage

- Store in a dry indoor environment.
 - Ensure that the brush plate and squeegee assembly are in the raised position.
 - Make sure that all the water in the solution tank and the recovery tank is drained completely, especially when stored in cold places.
-  Before performing any maintenance on the machine, please make sure the power is turned off or the battery is disconnected.
-  Maintenance can only be carried out by an authorized service center. Any repairs performed by unauthorized personnel will void the warranty.

Daily Maintenance

- Wipe the entire machine with a clean/damp cloth.
- Empty the clean water tank through the clear water drain pipe (plug).
- Drain and flush the sewage tank with clean water.
- Remove and clean the vacuum filter.
- Remove the brush plate and squeegee assembly, and rinse with clean water.
- Check the battery level and recharge in a timely manner.

Monthly maintenance

G22RB/G26RB:

- Rinse the clean water tank with clean water.
- Remove the filter cover and filter mesh, and rinse with clean water.
- Detach the brush plate splash guard using the spring clip and rinse with clean water.
- Please inspect the motor every 250 hours to ensure it is working properly.

Squeegee rubber strip replacement

- Remove the squeegee assembly from the machine (refer to the squeegee installation instructions).
- Loosen the stainless steel clasps and remove the rubber strip (for T90/T0R, loosen the star-shaped bolts and remove the steel strip and rear rubber strip).
- Replace with a new rubber strip and reassemble the squeegee assembly.

G34RB:

- Rinse the clean water tank with clean water.
- Remove the filter cover and filter mesh, and rinse with clean water.
- Detach the brush plate side skirt by removing the butterfly bolts and clean it.
- Please inspect the motor every 250 hours to ensure it is operating normally.

TECHNICAL SPECIFICATIONS

Parameters	International Units	G22RB	G26RB	G34RB
Cleaning Width	mm	560	700	860
Squeegee Width	mm	780	860	1100
Work Efficiency	m ² /h	2800	3500	5590
Maximum Driving Speed	km/h	5	5	6.5
Maximum Grade	%	12	12	15
Disk Brush (Diameter * Quantity)	mm (φ)	510*1	330*2	410*2
Operating Voltage	V	DC24V	DC24V	DC24V
Rated Total Power	W	1190	1490	2060
Motor	W	300	300	760
Brush Motor	W	500	400*2	400*2
Vacuum Motor	W	390	390	500
Clear Water Tank	L	90	90	120
Sewage Tank	L	100	100	130
Net Weight	kg	148	156	225
Machine Dimensions (Excluding Scraper)	L*W*H (mm)	1429*810*1064	1471*840*1185	1530*1130*1240

COMMON TROUBLESHOOTING

G22RB/G26RB:

Error Codes	English Abbreviation	Troubleshooting
F1	Ems active	Release the emergency stop button
F2	Brush Error	Check the brush plate motor and related circuits Replace the controller
F3	Vacuum Error	1. Inspect the vacuum motor and related circuits 2. Replace the controller
F4	Brush Open	Brush motor not connected or open circuit
F5	Vacuum Open	Suction motor not connected or open circuit
F6	Dirty Water Full	Drain the sewage water
F7	Clean Water Empty	Fill with clean water
F8	Battery Low	Charge required
F9	Battery Very Low	Must charge
F10	Traction Error	1. Inspect the driving motor and related circuits 2. Replace the electromagnetic brake
F11	Traction SRO	1. Restart the machine, do not step on the accelerator 2. Check the foot accelerator
F12	Brake Open	Electric brake not connected or open circuit
F13	Brake Error	1. Inspect the electromagnetic brake 2. Replace the electromagnetic brake
F14	Valve Open	1. Inspect the solenoid valve and water pump 2. Replace the solenoid valve or water pump
F15	Pump Open	
F16	Valve Open	Drain valve or water pump not connected or open circuit
F17	Pump Open	
F20	Comm. Error	1. Check the communication line 2. Update the program 3. Replace the controller
F21	Self-Test NG	1. Inspect the wiring 2. Check the accelerator 3. Update the software 4. Replace the controller
F22	Over Temp	1. Controller temperature is too high (above 70°C) 2. Check the load, the current is too high
F23	EEPROM Error	1. Parameter error, update parameters; 2. Replace the controller.
F24	Battery High	1. Battery voltage is too high 2. Parameter error, update parameters 3. Replace the controller
F25	Tract Carbon	1. The driving motor has exceeded the set time for replacing carbon brushes 2. The motor time was not reset after replacing the carbon brushes on the driving motor
F26	M-Bru Carbon	1. The main brush motor has exceeded the set time for replacing carbon brushes 2. The motor time was not reset after replacing the carbon brushes on the main brush
F27	Blow. Carbon	1. The suction motor has exceeded the set time for replacing carbon brushes 2. The motor time was not reset after replacing the carbon brushes on the suction motor
F28	Sit in Seat	Seat unoccupied, please sit down
F29	Beeper Open	Horn not connected or open circuit
F30	Beeper Error	Horn short circuit or overcurrent

G34RB:

Problem	Situation	Solution
Out of power	Please ensure the power supply is connected	Connect the battery
Low water output or no water coming out	<ul style="list-style-type: none"> • The water valve is closed • The filter is clogged • The fresh water tank is empty 	<ul style="list-style-type: none"> • Open the water valve • Clean the filter • Refill the fresh water tank
The water absorption effect is poor	<ul style="list-style-type: none"> • Suction and dirt suction hole clogged • Rubber strip worn out • Suction scraper not properly installed • Sewage suction pipe damaged or loose • Sewage suction pipe clogged • Drain pipe cover loose • Sewage tank cover is open • Sewage tank is full • Vacuum motor inlet clogged • Vacuum motor loose 	<ul style="list-style-type: none"> • Clean the suction scraper • Replace the rubber strip with a new one • Ensure the suction scraper is correctly installed • Replace the sewage suction pipe or reinstall and tighten it properly • Inspect the hose and remove any blockages • Tighten the drain pipe cover • Make sure the sewage tank cover is closed and sealed • Empty the sewage tank • Check the vacuum motor inlet, remove any blockages, and clean the filter cotton • Tighten the motor mounting screws, being careful not to overtighten to avoid damaging the motor
Error code	English abbreviation	Troubleshooting
F01	Ems active	Release the emergency stop switch
F02	Eeprom Error 1	Reconfigure the parameters and restart the controller
F03	Battery Low	Charge the battery and restart the controller
F04	Battery High	1. Parameter error, update the parameters 2. Replace the controller
F05	Pre-Charging Error 1	1. Investigate the walking motor/electromagnetic brake circuit 2. Replace the controller
F06	Key Voltage Error	Check the wiring
F07	Self-Test NG	Replace the controller
F10	Traction MOS Error	1. Eliminate the issue of water ingress into the brake, and power on again 2. Rule out the connection issues of the walking motor circuit 3. Replace the controller
F11	Brush MOS Error	1. Rule out the connection issues of the brush motor circuit 2. Replace the controller
F12	Vacuum MOS Error	1. Check for issues with the suction motor wiring connection 2. Replace the controller
F13	Brush U/D MOS Error	1. Investigate the brush plate lifting motor wiring connection 2. Replace the controller
F14	Vacuum U/D MOS Error	1. Investigate the water squeegee lifting motor wiring connection 2. Replace the controller
F16	Traction Short	1. Inspect the walking motor wiring 2. Replace the controller
F18	Brush Short	1. Inspect the brush plate motor wiring 2. Replace the controller
F19	Vacuum Short	1. Inspect the suction motor wiring 2. Replace the controller
F20	Brush U/D Short	1. Inspect the brush plate lifting motor wiring 2. Replace the controller
F21	Vacuum U/D Short	1. Check the water squeegee lifting motor wiring 2. Replace the controller
F22	Comm. Error	Check if the CAN communication line is properly connected
F23	Accelerator Error	1. Inspect the pedal wiring 2. Replace the pedal 3. Replace the controller

Error codes	English abbreviation	Troubleshooting
F24	Traction SRO	1. Inspect the foot pedal wiring 2. Loosen the foot pedal and turn on the machine 3. Replace the foot pedal board
F26	Temperature Error	Horn short circuit or overcurrent
F29	Brush Open	Inspect the brush plate motor wiring and restart the controller
F30	Vacuum Open	Inspect the suction motor wiring and restart the controller
F33	Traction Error	Eliminate motor blockage and other such conditions
F34	Brush Error	Eliminate motor blockage and other such conditions
F35	Vacuum Error	Eliminate motor blockage and other such conditions
F36	Brush U/D Error	Eliminate motor blockage and other such conditions
F37	Vacuum U/D Error	Eliminate motor blockage and other such conditions
F52	Over Temp	The controller temperature is too high; check the load
F55	Clean Water Full	Add clean water
F56	Dirty Water Full	Drain the dirty water
F57	Sit in Seat	Inspect the seat switch wiring
F82	Brake Open	Inspect the brake circuit and restart the controller
F83	Brake Short	Inspect the electromagnetic brake wiring Replace the electromagnetic brake
F84	Pre-Charging Error 2	1. Inspect the brush plate/suction/brush plate lifting/water squeegee lifting motor wiring 2. Check the warning light/waterproof solenoid valve/cleaner pump/universal output horn wiring, and power on again
F85	Speed Limiter Error	Inspect the speed limit throttle signal voltage and restart the controller
F86	Beeper Open	Inspect the buzzer wiring
F87	Beeper Short	1. Inspect the buzzer wiring 2. Replace the buzzer
F92	Warning Light Open	1. Inspect the police light wiring 2. Replace the police light
F93	Warning Light Short	1. Inspect the police light wiring 2. Replace the police light
F94	Valve Open	Inspect the solenoid valve wiring
F95	Valve Short	1. Inspect the wiring of the solenoid valve 2. Replace the solenoid valve
F100	Light Open	Inspect the headlight wiring
F101	Light Short Circuit	1. Inspect the wiring of the vehicle's headlights 2. The headlight drive circuit is faulty
F104	HCLO Open	1. Inspect the HCLO module wiring 2. Check if the water circuit is working properly
F105	HCLO Short	Inspect the HCLO module wiring
F112	Low Temp	Wait for the controller to return to normal temperature and restart the controller
F115	IOT Disconnection	Connect the IoT module
F116	Low Temp	Wait for the controller to respond, then restart the controller
F117	Machine locked	Please contact the manufacturer or distributor
F118	Lithium battery disconnect	Please check if the CAN line of the lithium battery is connected
F119	Lithium battery failure	Internal fault of the lithium battery, please check if the lithium battery is discharging
F120	Dirty Valve Open	1. Inspect the wiring of the wastewater recirculation solenoid valve 2. Replace the wastewater recirculation solenoid valve
F121	Dirty Valve Short	1. Inspect the sewage recirculation solenoid valve wiring 2. Replace the sewage recirculation solenoid valve

