ENGLISH VERSION

VT-3A

HIGH TEMPERATURE DOOR TYPE DISHWASHER

INSTALLATION / USER MANUAL

Ref No 5302AS-D

CONTENTS

VICTORY VT-3A DISHWASHER

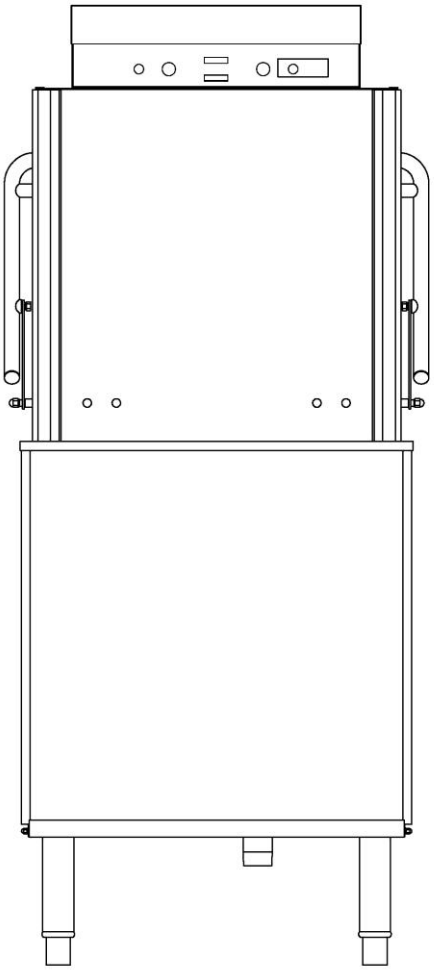
Installation，operation & maintenance

Please keep this manual for reference

OVERVIEW

VT-3 Dishwasher is a rack loading fully automatic dishwashing machine, three adjacent sides can be lifted to open for loading or unloading rack. When the wash tank is filled up to the normal water level, as the door is closed, the machine will automatically run main wash and final rinse programs; if tank water level goes down, water will be automatically filled into tank until normal water level is reached, then once again as the door is closed, it starts to run another cycle.

The machine is built with a 9 kW booster heater, which consists water inlet strainer and solenoid valve.



INSTALLATION

Before installation, please see the specification tag placed on the right hand side of the machine, make sure to verify the electrical power supply. Right after the packing is opened, please examine the machine immediately for any damage caused during transportation. If any, please keep all the packing materials, and inform the supplier within 15 days.

Select the right place for installation

It is important to put the dishwasher at the right place for installation. Before to decide a proper position, please consider the connection of power supply, water supply, drainage, S.S. working tables and detergent dispenser (to be provided), as long as the required space for daily maintenance and ceiling height for opening machine door. (See diagram 1)

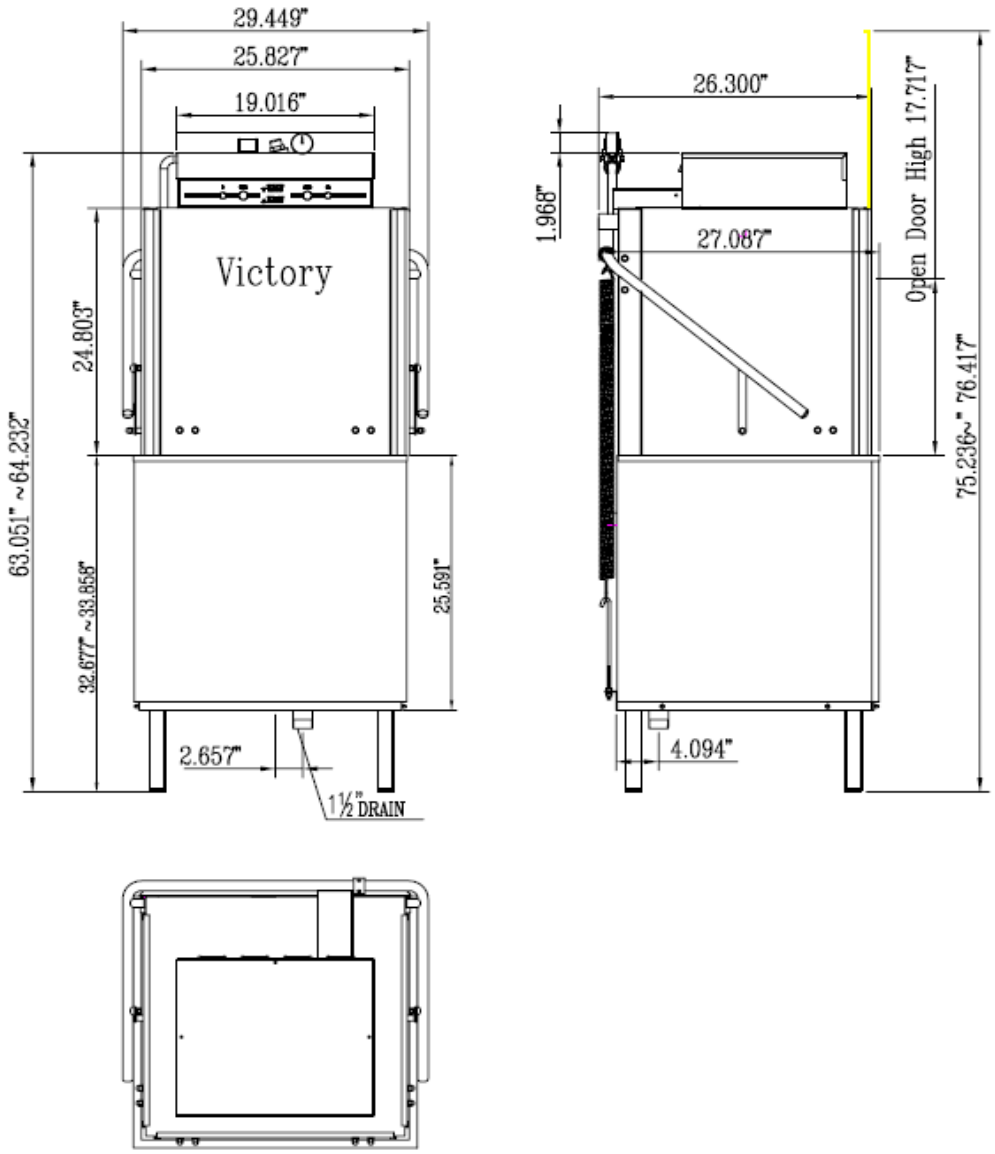


Diagram 1

The machine must be horizontally placed for all electrical and water connections. To reach the desired height level and maintain balance, turn the adjustable foot accordingly.

S.S. working table have to be linked up with the dishwasher, by overlapping onto the shell of the machine (see diagram 2), and then put silicon gel on the gap in order to avoid leakage.

Maybe the local regulation requires to install exhaust hood or ventilator (to be provided by other supplier), if needed, the required exhaust airflow should be at least 300 CFM

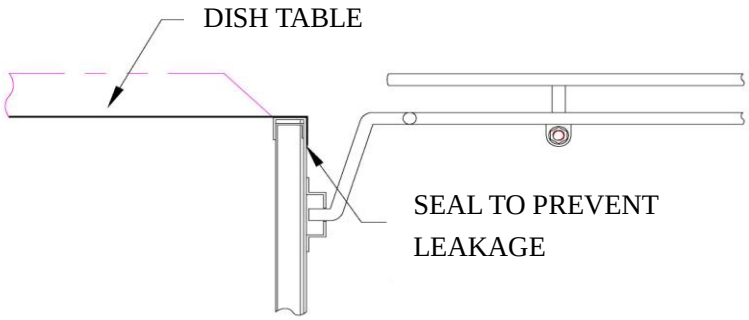


Diagram 2

CONVERT FROM STRAIGHT-THROUGH TO CORNER OPERATION

For corner operation, remove the rack guide and baffle (Diagram.3) from the front, Assemble the rack guide on the side and use screws to re-install the baffle in the front.

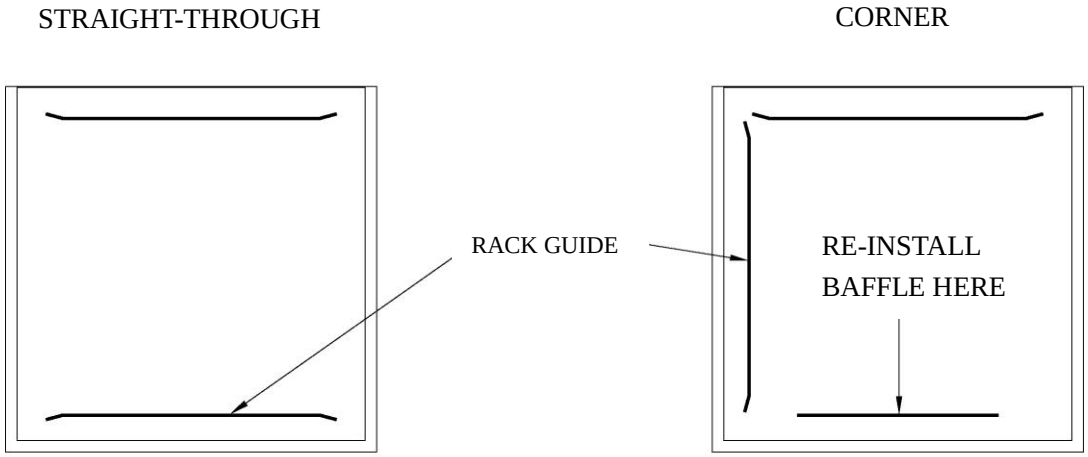


Diagram 3

Power connection

- Warning: All connection of electricity and grounding must comply with any applicable ordinance of the national or local electrical law.
- Warning: Shut off power supply, hoist caution sign nearby, to alert anyone **NOT** to power on. Please read carefully the electrical wiring diagram as shown on the machine case, properly connect power cables with the designated terminals.

★★ Check motor direction (apply only to 3 phase motor)

Move direction of the motor must match the arrow sign marked on the pump case. In case the motor movement is wrong, power off first, then randomly exchange the connections of any two cables, start the machine again and check whether the motor moving direction is correct.

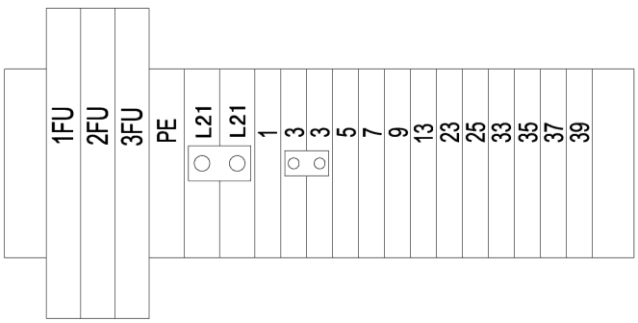
- Warning: After the first installation, it is a must to check the pump direction. If the wash pump moves reversely, just a short period may cause damage!

Signal terminals for connecting detergent dispenser (to be provided by other supplier)

In the electrical control box, connect 2FU & L21 terminals with the detergent signal power of the dispenser, connect 3FU & L21 terminals with the rinse signal power of the dispenser (see diagram 4), but each power loading must not exceed 3A. During wash program, 2FU provides 220V output; during rinse program, 3FU provides 220V output. Please refer to the electrical wiring diagram on the machine case.

- Attention: The pull out distance of the electrical box should be put into consideration for all the wire connections, to prevent wires from loosening.
- Attention: Please use 600V sealed electrical wire, never try telephone wire.

Diagram 4



Water connection

- Warning: Water pipe connection must comply with relative local hygiene safety ordnances and plumbing code.

Water supply

Connect the water inlet hose (3/4”thread) with water supply valve.

Relative heating power	Water inlet temp.		Water flow pressure	
	℃	℉	PSI	kg/cm²
9 kW rinse heating	50～60	122～140	14.1～42.3	1～3

Caution: check water inlet pressure after connection, if flowing pressure below 4.2PSI, a water pressure pump (to be provided by other supplier) is needed, if static pressure is higher than 44.8PSI, a water pressure reducer (to be provided by other supplier) is needed.

Drainage

Connection the drain pipe ($1^1/_2$”or 40mm) under the wash tank with an appropriate drainage (drain capacity should be at least 25.23 Gal/min.)

Injection of drying agent

Remove the front cover of the machine, at the upper right hand corner of the booster heater, there is an injection inlet for drying agent. Remove the plug at the inlet, and put in a check valve for injection of Rinse drying agent.

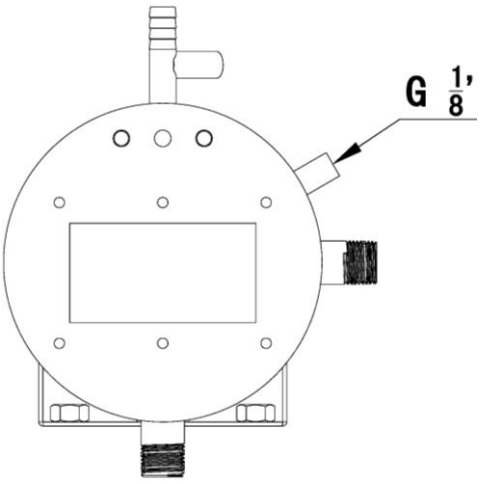


Diagram 5

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OPERATION

Control panel

Power I / 0 Press the power switch, power light on, indicates power connected; Press again, power light off, indicates power shut down.

Washing speed selection:60~180 seconds(Freedom and set the seconds by engineer) Factory setting is one min. per rack.

The factory set time is 60 seconds and 90 seconds

Power light Power light on, means the machine is ready to use.

Cycle light Cycle light on, means dishwashing processes is in progress; cycle light off means programs finished.

Temp. light Indication at down shows wash temp., indication at up shows rinse temp., green lights on indicate present working temp.

Recommended operating temperature

Main wash temp.	60℃-65℃（140℉-150℉）
Final rinse temp.	80℃-85℃（176℉-185℉）

Auto-start Close the door, Press the start button the machine will automatically proceed wash and rinse programs. Then just repeat the action to open and close

Drain To drain tank water, lift up the overflow pipe

Preparation works

- Properly place the scrape trays and basket into the machine, and plug-in the overflow pipe.
- Close the door and turn on power, water auto-fill starts.
- Once water is full, open door and check water level. Turn on the detergent dispenser (follow supplier's instruction).
- Close the door, Press the start button then wash and rinse programs will automatically start.
- Wait until wash temperature reaches proper range before start to wash.

Washing-up procedures

- Scrape off food residues from dishes.
- Property load tableware into racks, by the manner that all the surfaces of every piece of tableware should have adequate exposure for water flushing. Dishes are to be

vertically inserted, and bowls should be inversely put into plate rack; cutlery, chopsticks have to be dispersed loaded in open rack; and glasses must be inserted into compartment rack.

- When a rack is full loaded, open the door, put in rack and close the door, wash and rinse will proceed automatically. Main wash program starts as the door is closed, and final rinse program will follow right after wash finished.
- When wash & rinse programs ended, wait for a second until cycle light off, open the door and pull out the washed rack, then send in another rack, close the door and continue to wash. In the mean time, collect those clean and dry dishes.
- Whenever cycle starts, door should not be opened; it's a danger of hot water splashing. After each cycle, wait until cycle light off, so as to open safely.

Cleaning the machine

Recommended to clean thoroughly all interior parts of the machine after each use (every meal or at least once a day)

Cleaning procedures:

1. Shut off power.
2. Open the door.
3. Clean working tables, and scrape off wasted water into machine.
4. Lift up overflow pipe to drain tank water.
5. Remove scrape trays, basket and pump intake screen, dump the residues (but not to crash, otherwise, change in shape may result in poor straining effect) and clean the equipment.
6. Flush to clean the interior of the machine, thoroughly wash away all the dirt inside.
7. Put all the straining equipment back to place.
8. Check every upper and lower spray jets for clogging, if there is any, use a narrow pin to clear obstruction or remove the spray arms to clean.
9. Keep the door open to let air dry, in order to prevent mould from growing.

MAINTENANCE

↯ Warning: Shut off power supply, hoist caution sign nearby, to alert anyone **NOT** to power on.

Wash and rinse arms

Both upper and lower wash and rinse arms could be rotated freely for a few seconds by gently swinging. Turn off the machine before testing, and remove obstruction if exists.

If the straining equipment is not in place, then the wash arms and jets may be clogged. If happened, unload the wash arms for cleaning.

To unload the wash and rinse arms, just unlock the thumb screws, between the bearings of both arms.

Attention: the O-ring seat of the lower wash arm should not be removed.

When unloading the upper arms, hold the arm tightly during unlocking the thumb screw, to avoid falling down.

Both sets of upper and lower arms can be exchanged for installation.

TROUBLE SHOOTING

This chapter only provides some general methods for problem solving. If problem persists, please contact the supplier.

Common problems	Possible reasons and easy solutions
Machine cannot be started	1. Open the door and shut down again after 2 seconds. 2. Fuse blown or jumper disconnected. 3. Check the fuse of the control circuit.
Rinse remains at low temp.	1. Rinse temp. setting is too low. 2. Water fill pressure or flow volume is too low, cause low water level in booster heater. 3. Check water inlet strainer and solenoid valve.
Poor wash results	1. Incorrect pump direction. 2. Wash spray is too weak due to pump intake is clogged. Power off and drain tank water, check wash pump intake for any obstruction. 3. Wash temp. is too low. Inadequate pre-heating time, or check the thermostat and heating elements. 4. Improper detergent dosage, please contact the supplier. 5. Excessive lime build-up, needs to de-lime.
Streaks found on ware washed	1. Improper racking. 2. Rinse temp. is high or too low. 3. Clogged pump intake. 4. Abnormal water hardness. 5. Wash detergent does not suit local water quality. 6. Rinse drying agent not suit local water quality. 7. Improper dosage of the cleaning chemicals.
Inadequate rinse pressure	1. Clogged water inlet strainer, causes slow water flow. Close the water supply, remove the strainer between inlet hose and solenoid valve, clean the strainer screen and then fix up. 2. Water supply pressure is too low. 3. Rinse jets clogged.
Continue fill or cannot fill water	1. Tiny obstruction entered the fill solenoid valve, resulting in abnormal functioning. Caution: detail checking right after installation is very important, small chips may go inside into the piping and being stuck inside valve. Power off, open the solenoid valve and clean all the interior parts, then fix up.

REPAIRING

If the machine needs repairing or adjustment, please contact the supplier or local authorized dealer.