

WATER PUMP FOR SAUNA, SWIMMING POOL AND SEAFOOD FARM

SPECIAL MADE
PREFERENTIAL QUALITY

HZS/HZX WATER PUMP Installation And Operation Manual



HZS-200	HZS-250
HZS-280	HZS-300
HZS-370	HZS-550
HZS-750	HZX-180
HZX-250	



WATER PUMP

PREFACE

Thanks for purchasing our water pumps. Please read this instruction carefully before using and keep it well for your future reference. We decline responsibility for any damage caused by incorrect installation and operation

FEATURES

1. Pump body, pump cover and impeller are made of high quality plastic.
2. Big output, high lift, low noise
3. Good mechanical seal and durable.
4. With over load protection to ensure long lasting working
5. With simple suction and discharge pipes.

APPLICATION

These water pumps are designed for the circulation and filtration of the small swimming pools (family use), whirl pools and Sauna pools. Also they are designed for the circulation and filtration of seafood in hotels, restaurants and farms.

CAUTION

1. Installation

The electric installation and connection must be carried out by qualified staff.

The pump should be installed vertically in a stable and dry place. Make sure the pump is installed about 0.5–1.3m away from water edge, and fixed on a stable ground with screw at least 6mm–8mm. Make sure the pump is prevented from submerge and kept at a well-ventilated place. Please add valves onto the suction and discharge pipes. Be sure the pump is installed under water level or a emergency stop valve is fixed. Due the difference height of installation and different type of pumps, self priming may last for 10 minutes.

2. Pipe Assembly

1). The suction and discharge pipes should have diameter equal to or greater than that of the intake tapping of the pumps.

2). The suction pipes should be sealed to make sure the air can not come in to the pump body.

3). The suction pipes should be installed aslant, so the air will not stay in the pipes.

Seal all the connectors, unions and pump cover well, avoid any dripping on the motor, which would unfailingly damage it.

3. Controls prior to initial start-up

1). Check the main voltage and frequency are according to the label. Avoid to use extended wire, try to use separate socket.

2) . Verify that the pump shaft turns freely. Be sure that the earth leakage protection is installed and earth cable is correctly made.

3) . Fill the pump with water, make sure that the pump body, filter basket, pipes and other connectors are not leaking. Tighten or loose the screws with hands, or tolls if necessary.

4) . Make sure the pumps are working with water in any case. Before initial start up ,fill the pump with water firstly for self priming.

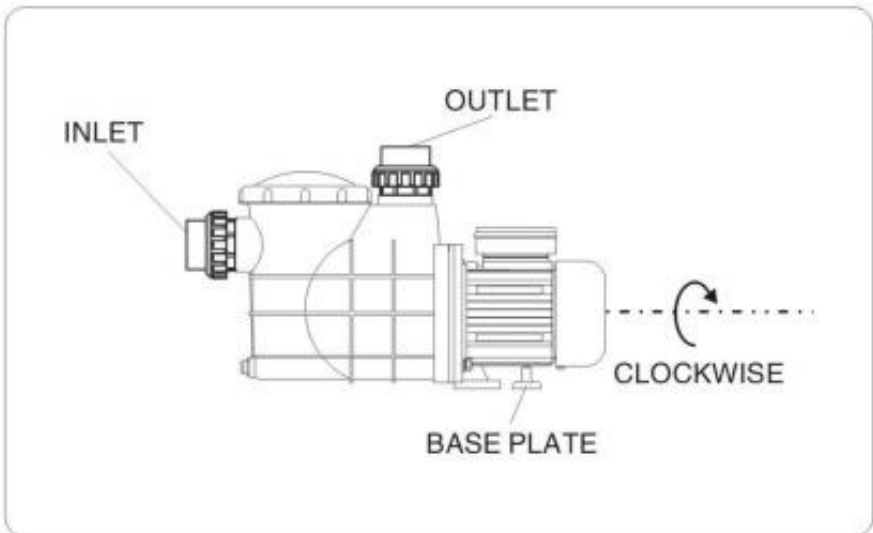
4. Start up

Start electrically the pump only when the suction and discharge pipes are connected to the corresponding inlets and outlets. Do not tighten or loose the screws when the pump is working. Please cut off power and contact with your distributors in case the pump can not working.

5. Maintenance and clean

Our pumps do not require any special maintenance or programming. Regular clean the debris in the filter of pumps, avoid block the inlet pipe and damage the pumps . In case the pump will be idle for a long period of time, it is recommended to disassemble, clean and store in a dry, well- ventilated place.

Motor with three phase: direction of motor should be checked before load (without water). The testing time should be within 4–5 seconds. Damaged may caused to pump if the direction of motor is wrong.



TECHNOLOGY AND FUCTION DATA

ITEM	VOLTAGE	POWER	HMAX	QMAX	IP	MAX
HZS-200	220V/50HZ	220W	6.5M	85L/MIN	IPX4	35°C
HZS-250	220V/50HZ	320W	7.0M	100L/MIN	IPX4	35°C
HZS-280	220V/50HZ	280W	8M	133L/MIN	IPX4	35°C
HZS-300	220V/50HZ	380W	7.5M	125L/MIN	IPX4	35°C
HZS-370	220V/50HZ	450W	11M	167L/MIN	IPX4	35°C
HZS-550	220V/50HZ	500W	12M	200L/MIN	IPX4	35°C
HZS-750	220V/50HZ	600W	13M	292L/MIN	IPX4	35°C

TROUBLE SHOOTING GUIDE

A. Can Not Self Priming

B. Less Output

C. Big Noise

D. Motor Can Not Start Up

E. Motor Can Not Start Up But With Noise

F. Leaking After A Period Of Working

A	B	C	D	E	F	POSSIBLE CAUSE	SOLUTION
X	X					Air in	Check the mechanical seal
X						Transparent plastic cover leaking	Clean the transparent plastic cover and check the gasket
X	X					Wrong direction of motor	Check the electrically
X	X					High absorption	Adjust the absorption
X	X		X			Wrong voltage	Check your voltage
X						No water in filter basket or pump body	Full the filter basket or pump body with water
X						No water in self priming pipe	Fill the self priming pipe with water
	X					Blockage in filter basket	Clean filter basket
	X	X				The diameter of suction pipe is smaller than discharge pipe	Adjust the diameter of the pipes
	X					Blockage in discharge pipe	Check filter basket and discharge pipe
	X	X				Trash in pump body	Clean pump body
			X			Protection fail	Change protection
			X			No power or damage to capacitance	Check fuse and change capacitance
				X		Entangle of impeller	Clean impeller
					X	Damage to mechanical seal or trash absorb on it	Change the mechanical seal or clean it

Remark: Please contact with your distributor if above solution still not work.