

**TIGERFLOW**  
**OCELOT SIMPLEX BOOSTER**



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**TIGERFLOW**  
**OCELOT 60 SIMPLEX**  
**BOOSTER**

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**TIGERFLOW®**



## OCELOT BOOSTER - PERMANENT MAGNET VARIABLE SPEED PUMP

Experience the power of automation with our state-of-the-art booster pump. Designed with precision engineering, the Ocelot Booster Pump offers automatic and reliable pressure control, eliminating the need for manual adjustments. Say goodbye to inconsistent showers, weak water flow, and frustrating water pressure issues.

With the Ocelot Booster Pump, you can enjoy a consistent water pressure that meets your requirements, every single time.



PERMANENT MAGNET  
MOTOR WITH VARIABLE  
SPEED



QUIET OPERATION



ENERGY EFFICIENT



BUILT IN WARNINGS AND  
ALARMS



INTELLIGENT OPERATION

The OCELOT 60 booster pump is a self-priming, variable speed pump using a permanent magnet motor. The pump is constructed of stainless steel materials that provide durability and corrosion resistance. The pump includes automatic control for variable speed and low flow protection, slowing or stopping the pump when needed.

The intelligent pump control, high efficiency and built in protections, make this pump a versatile solution for different applications including small commercial and multi-family homes, RO water re-pressurization, temporary construction, among others.

## PRODUCT DESCRIPTION

### ● Product Information

The Ocelot 60 Simplex Booster is the perfect solution for small water boosting applications such as residential, light commercial, RVs, boats, cabins and remote locations, temporary water boosting, among others.

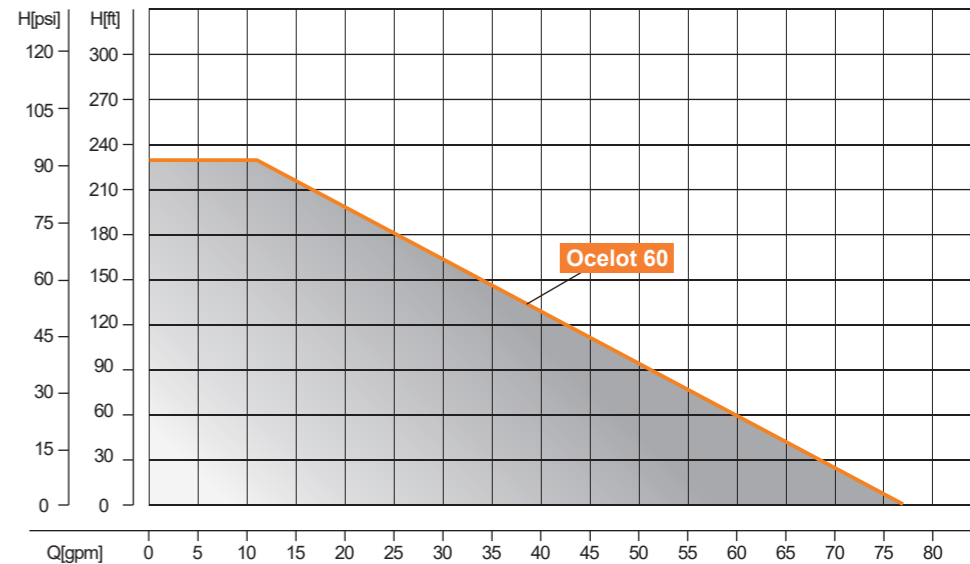
### ● Product Display



## PRODUCT DESCRIPTION

### ● Performance Curve

Ocelot series performance chart



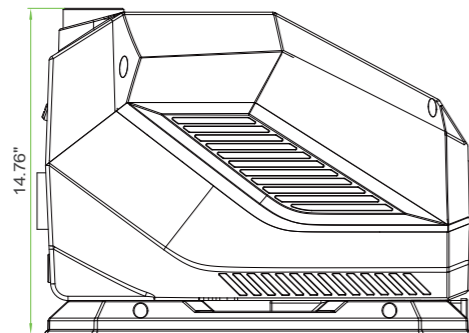
PRODUCT DESCRIPTION

● Technical Parameters (Curve Chart):

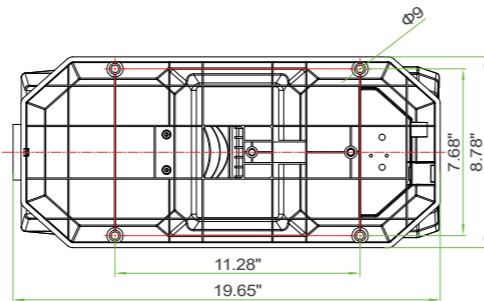
Model	Voltage (V)	Frequency (Hz)	Power (HP)	Max.Flow (GPM)	Max.Head (FT)	Rated Flow (GPM)	Rated Head (FT)	Connections (in)
Ocelot 60	230V	60	2	70	230	35	144	2

● Product Size

PRODUCT DIMENSIONS: 19.65in\*8.78in\*14.76in



CHASSIS DIMENSIONS



PRODUCT DESCRIPTION

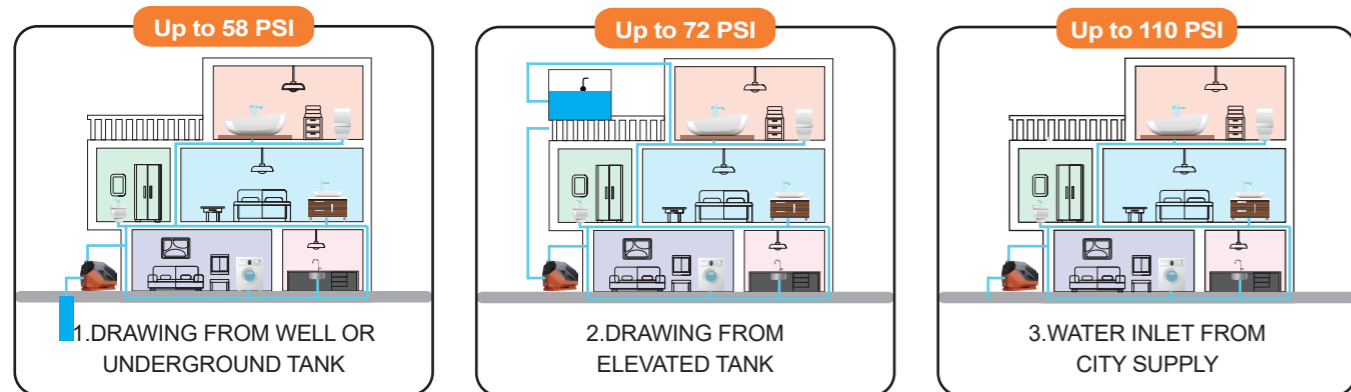
● Permanent Magnet Pump Head



## SELECTION GUIDE


### ● Residential Pump Selection

For this example a 7-8 faucet/outlets are used per unit. Each faucet are typically 3-5 gpm, and the pressure in the pipeline is the sum of the inlet pressure plus the pump boost pressure. Friction losses through the piping must be considered at a rate of 3 ft of pressure loss per elbow or tee. For this residence, the estimate is 35 gpm, 36' building height, 30' of friction losses, and 65' of available pressure at the further faucet. The pressure setpoint should be set at 36'+30'+65' =131' or 57 psi.



## SELECTION GUIDE

### ● Residential Pump Selection



PSI	BAR	Water colum [ft]	kPa	MPa
80	5.5	180	550	0.55
73	5.0	165	500	0.50
65	4.5	150	450	0.45
58	4.0	130	400	0.40
51	3.5	115	350	0.35
44	3.0	100	300	0.30
36	2.5	80	250	0.25
30	2.0	65	200	0.20
22	1.5	50	150	0.15

## INSTALLATION INSTRUCTIONS

### ● Installation Instructions

- Inspect for any damaged parts
- Check inlet and outlet connections and remove any covers
- Check for any obstructions or debris on the pump or piping
- Hexagon socket head cap screws 5/16 or M8

### ● Confirm Proper Installation

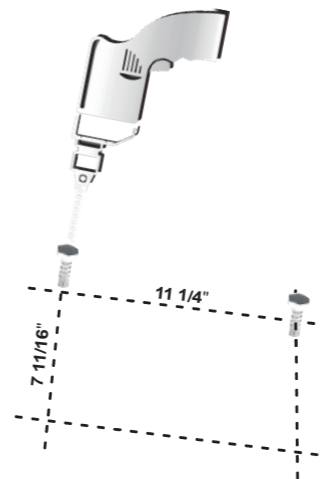
- When installing use a wrench to tighten the screws. Do not hand-tight.
- Ensure the pump is properly secured and is leveled.
- If the pump is not fastened vibration can occur.



## INSTALLATION INSTRUCTIONS

### ● Installation Instructions

- Use the template to identify the mounting screws location.
- Install the screws through the pump base openings, and ensure the pump is leveled.
- Use shims if needed.



## INSTALLATION INSTRUCTIONS

### ● Connection Points

- Ensure the incoming water is shut-off.
- The pump can be primed before installing the discharge connection by introducing water through the bleeding port.
- Do not use hoses or soft rubber piping on the inlet side as it might collapse.
- After connecting to the inlet and outlet piping, open the incoming water and bleed the air out through the bleeding port.



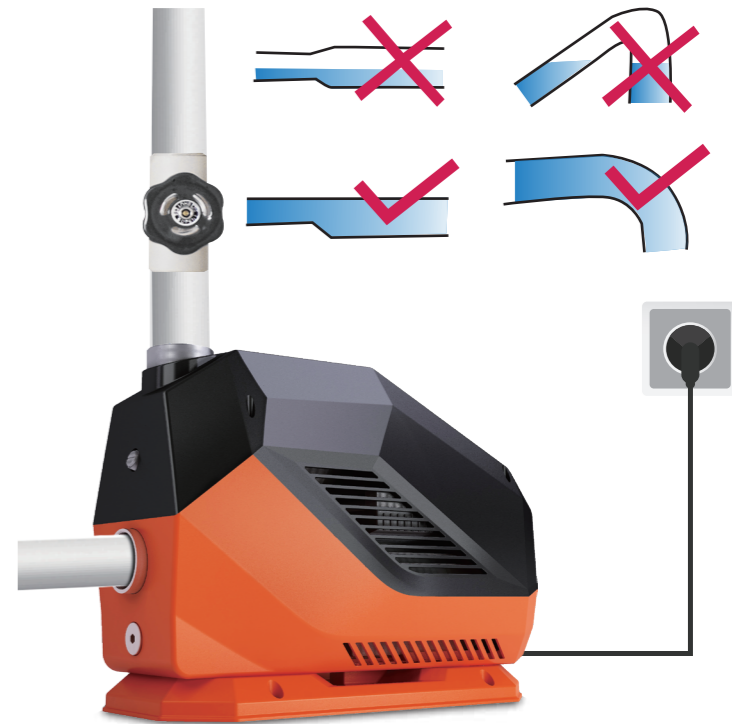
## INSTALLATION INSTRUCTIONS

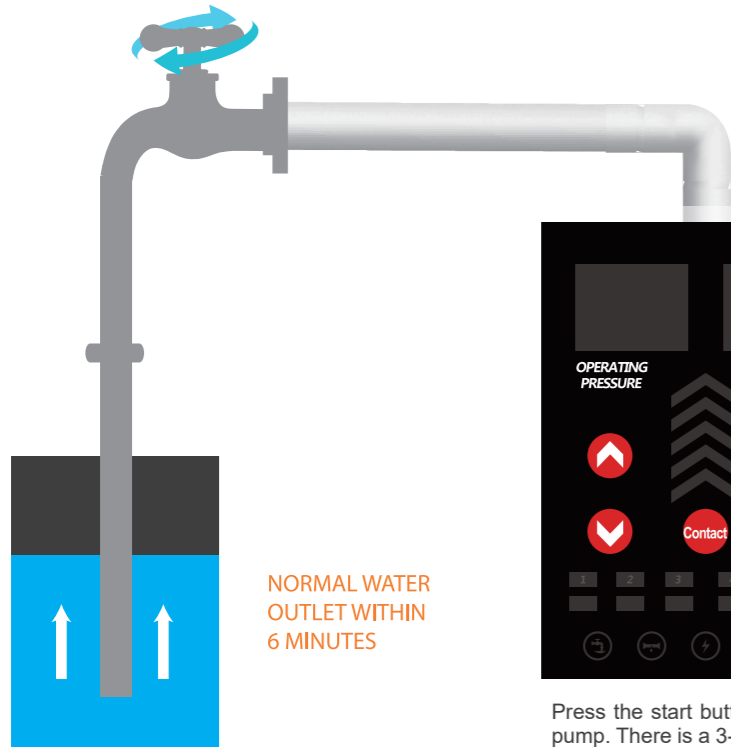
### ● Checklist For Inlet Connection

1. Incoming water is cut-off before connecting the inlet piping.
2. Inlet piping must be PVC or steel to avoid collapsing.
3. Inlet isolation valve is recommended to be installed vertically to avoid sediments collection.
4. On lift applications minimize pipe fittings to avoid drawing a vacuum.
5. The inlet piping shall be at least the same size as the inlet connection.
6. If the inlet pipe is 30 ft or longer, please use one size up for the pipe diameter.
7. A filter can be added to the inlet piping to remove solids.

### ● Checklist For Outlet Connection

The outlet piping shall be at least the same diameter as the outlet connection to minimize friction losses, and noise at higher flow rates.

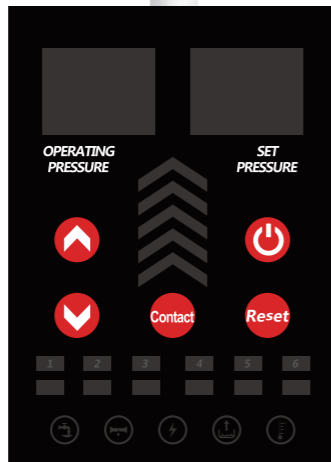




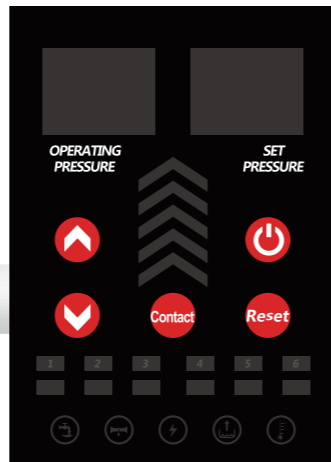
WELL

NORMAL WATER  
OUTLET WITHIN  
6 MINUTES

### OPERATING DISPLAY



Press the start button to run the pump. There is a 3-second delay after power up.



Press the start button for 3 seconds to enter speed mode

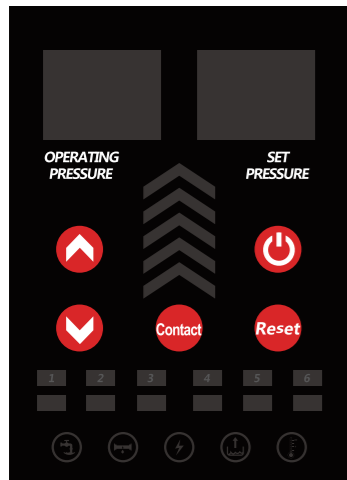


### OPERATING DISPLAY

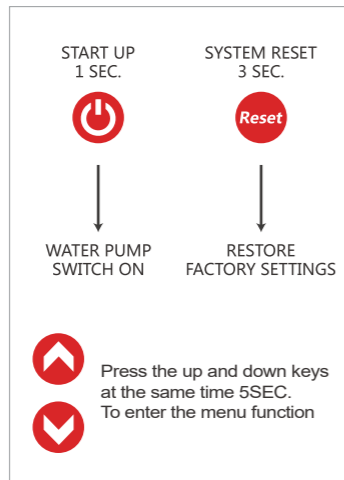


### OPERATING DISPLAY

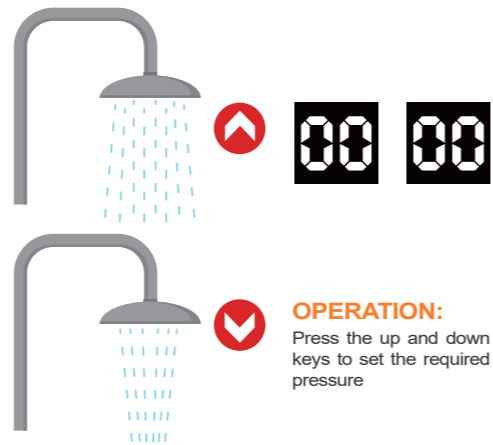
#### ● Operating Display



#### ● Menu

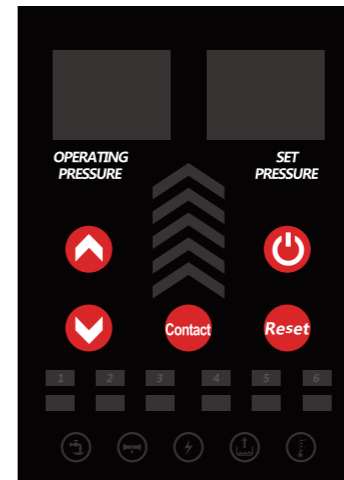


#### ● Pressure Setting

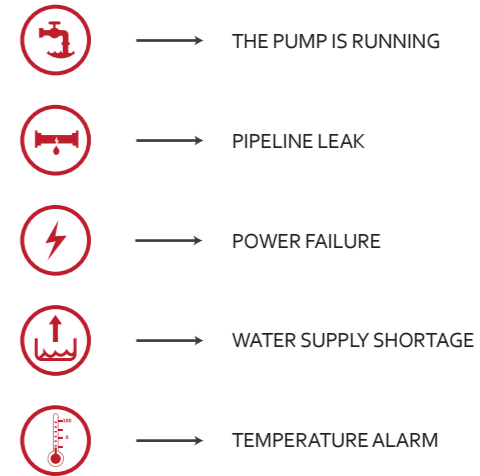


### OPERATING DISPLAY

#### ● Control Panel



#### ● Fault Button Indicator



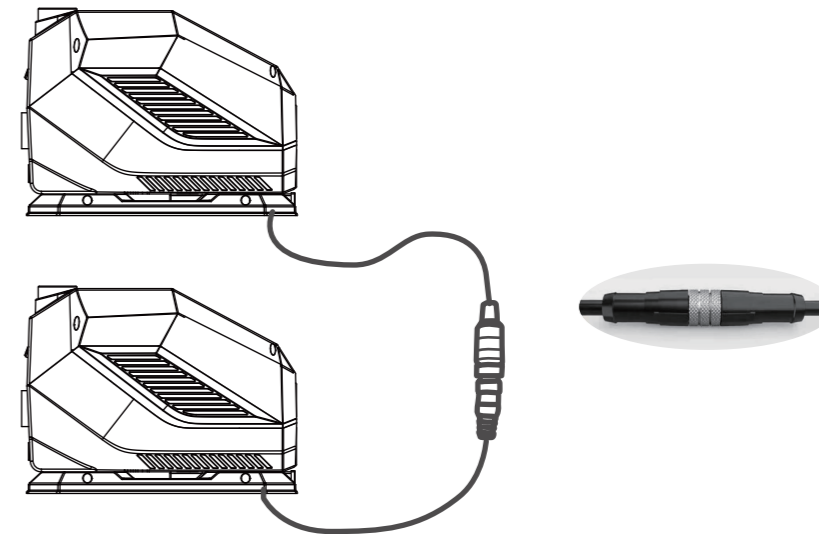
## Ocelot 60 - Duplex Booster Operating Instructions



## OPERATING DISPLAY

### ● Duplex Booster Configuration

1. When 2 pumps are installed in parallel with manifolded suction and discharge piping use 2-1/2" or larger manifold pipe size.
2. Plug the interconnecting cables to allow for the duplex configuration to work properly. Ensure the connection is tight.



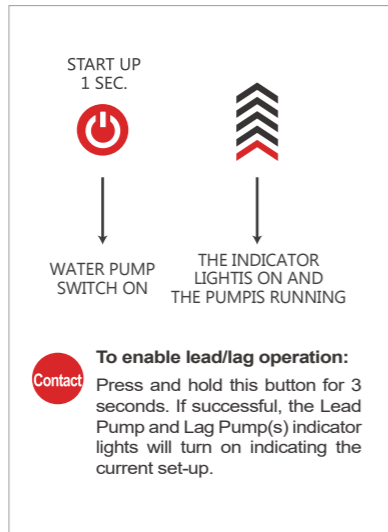
### OPERATING DISPLAY

#### ● Operating Display



Pump 1 is the lead pump

#### ● Menu



#### ● Operating Display



Pump 2 is the lead pump

#### ● Operating Display



The pump lost connection or is running independently

### OPERATING DISPLAY

#### ● Instructions



##### Disable lead/lag operation:

Press and hold the button for 3 seconds, until the lead/lag indicator lights turn off.

##### Sequence of Operation:

1. When the operating pressure of the lead pump is less 3 psi below the pressure setpoint, the lag pump will automatically start and modulate the speed to meet the pressure setpoint.
2. The lead/lag pumps will alternate automatically when the pumps stop.
3. If a pump has a fault, it will be disabled until reset.
4. To change the pressure setpoint, adjust it using the up/down arrows on the Lead Pump as indicated by the number on the Lead Pump light indicator row.

## TROUBLE SHOOTING

## ● Common Faults And Solutions

FAULT	REASON	MEASURES
WATER PUMP DOES NOT STOP	1. WATER LEAKAGE OF PIPELINE	CHECK THE PIPELINE AND WATER EQUIPMENT FOR WATER LEAKAGE
	2. CHECK VALVE STUCK	CHECK THE CHECK VALVE OF WATER PUMP  INCREASE THE CONSTANT PRESSURE OF WATER PUMP USE A SCREWDRIVER TO MOVE THE ROTOR SHAFT AT THE BLADE END TO MAKE IT ROTATE FLEXIBLY OR DISASSEMBLE IT
WATER PUMP DOES NOT START	1. CONSTANT PRESSURE VALUE OF WATER PUMP IS TOO LOW	REMOVE SUNDRIES FROM PUMP COVER CHECK THE MOTOR (SEND IT TO THE MAINTENANCE POINT FOR MAINTENANCE)
	2. IMPELLER STUCK	CHECK THE TERMINAL OR REPLACE THE CABLE WITH A NEW ONE
	3. THERE IS AN OPEN CIRCUIT IN THE WINDING	REPLACE THE WATER PUMP CONTROLLER (SENT TO THE MAINTENANCE POINT FOR MAINTENANCE)
	4. POOR CONTACT OR FRACTURE OF CABLE	
	5. CONTROLLER DAMAGED	
NO WATER IS DISCHARGED DURING THE OPERATION OF WATER PUMP	1. PUMP ROTATION DIRECTION IS WRONG	CHECK THE ROTATION DIRECTION OF THE MOTOR, AND CORRECT IF IT IS WRONG
	2. NO WATER ADDED FOR THE FIRST INSTALLATION	FILL THE PUMP WITH WATER
	3. IMPELLER DAMAGED	REPLACE IMPELLER (SEND TO MAINTENANCE POINT FOR MAINTENANCE)
	4. WATER LEVEL TOO LOW	ADJUST THE INSTALLATION HEIGHT OF WATER PUMP
	5. PUMP BODY CHECK VALVE STUCK	DISASSEMBLE THE SENSING DEVICE ON THE PUMP BODY AND CHECK WHETHER THE CHECK VALVE IS STUCK
	6. AIR LEAKAGE OF WATER INLET PIPE	CHECK THAT THE LINES ARE INSTALLED CORRECTLY
	7. BOTTOM VALVE NOT OPEN OR BLOCKED	CHECK THE FLEXIBILITY OF BOTTOM VALVE AND REMOVE OBSTRUCTION

## TROUBLE SHOOTING

## ● Common Faults And Solutions

FAULT	REASON	MEASURES
INSUFFICIENT WATER PUMP PRESSURE	1. INCORRECT TYPE SELECTION OF WATER PUMP OR TOO LOW CONSTANT PRESSURE VALUE	SELECT APPROPRIATE WATER PUMP OR INCREASE CONSTANT PRESSURE VALUE
	2. THE WATER INLET PIPE IS TOO LONG, OR THERE ARE TOO MANY TURNS. THE DIAMETER OF THE WATER INLET PIPE IS NOT SUITABLE	SELECT THE SPECIFIED PIPE DIAMETER TO MAKE THE DESIGN OF WATER INLET PIPE SHORTER.
	3. FOREIGN MATTER BLOCKING THE INLET PIPE, FILTER SCREEN OR PUMP CAVITY	CLEAN THE PIPELINE, BOTTOM VALVE OR PUMP CHAMBER, AND REMOVE SUNDRIES.
EXCESSIVE VIBRATION OF WATER PUMP	1. THE PUMP IS NOT FIXED ON THE BASE	TIGHTEN THE FOUNDATION BOLT
	2. INSUFFICIENT STABILITY OF WATER PUMP FIXING FRAME	IT IS INSTALLED ON THE STABLE WATER PUMP FIXING FRAME
	3. IMPELLER STUCK	CLEAR THE SUNDRIES IN THE PUMP CAVITY
	4. WRONG GROUNDING OR DAMAGED CABLE, ELECTRIC PUMP STRUCK BY LIGHTNING	FIND OUT THE CAUSE AND REPLACE THE WINDING COIL
WATER PUMP LEAKS	1. WEAR OF MECHANICAL SEAL	CLEAN OR REPLACE MECHANICAL SEAL
	2. PUMP HEAD OR CONNECTOR LEAKING	FIND OUT THE CAUSE OF WATER LEAKAGE AND DEAL WITH IT ACCORDINGLY
THE NOISE OF WATER PUMP IS TOO LOUD	1. BEARING DAMAGE	REPLACE BEARINGS OF THE SAME MODEL
	2. IMPELLER CARD	CLEAN UP SUNDRIES
	3. WATER INLET PIPE LESS THAN 1 INCH	ADJUST THE SIZE OF WATER INLET PIPE
	4. MEDIUM TEMPERATURE TOO HIGH	REDUCE MEDIUM TEMPERATURE



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