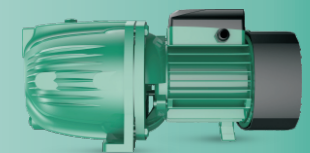
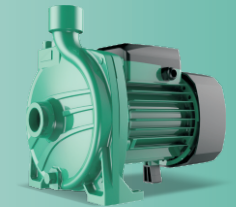
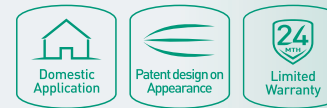
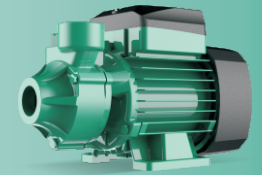



REVIVAL SERIES PERIPHERAL PUMP

Instruction Manual

Patent No: ZL 2019 3 0414598.2



Thank you very much for choosing our products. Please read the instruction manual carefully and keep it properly before installation and use

	<p>1. Before installation, please read this manual carefully, pay attention to the safety warning signs and instructions in the manual.</p> <p>2. The factory does not bear any responsibility or compensation for any personal injury, water pump damage and other property losses caused by failing to observe the safety warning.</p>
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1. Application

1.1 Ambient temperature $-15^{\circ}\text{C} \sim +40^{\circ}\text{C}$

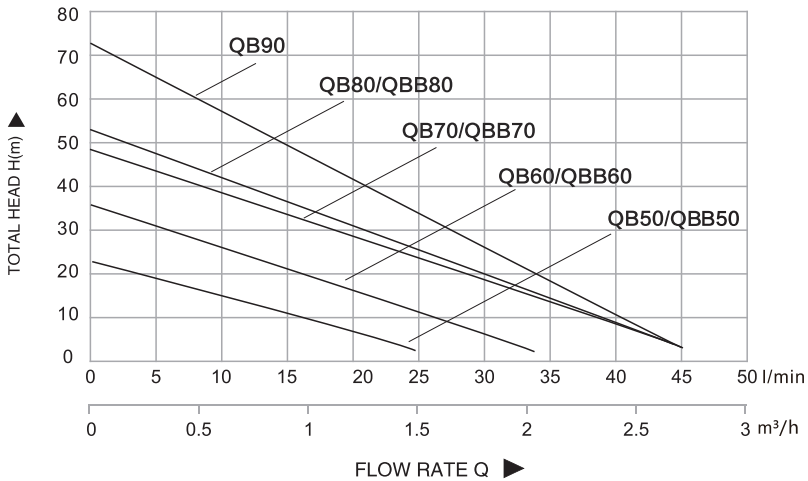
1.2 Liquid temperature $0 \sim +60^{\circ}\text{C}$

1.3 PH value of liquid : 6.5~8.5

1.4 The volume ratio of solid impurities in the liquid: $< 0.1\%$, the particle size $< 0.2 \text{ mm}$

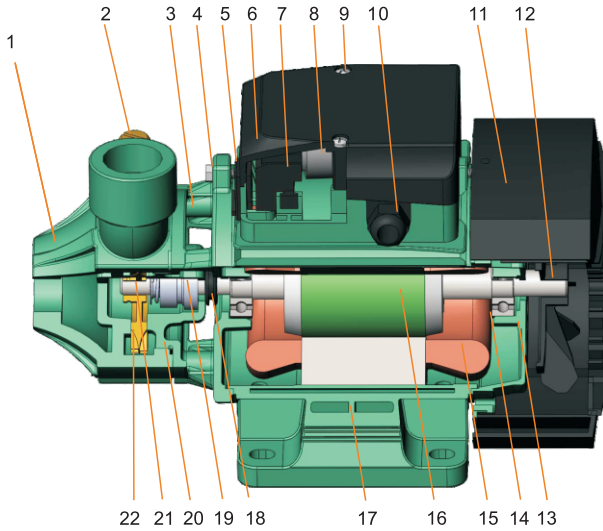
1.5 The voltage fluctuation range $\pm 10\%$ of the rated value

2. Performance



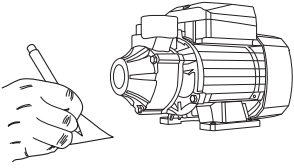
Model	Max flow (m³/h)	Max head (m)	Max suction (m)	Inlet/Outlet (inch)	Remarks
QB50/QBB50	1.5	20	8	1"X1"	Built-in thermal protector
QB60/QBB60	2.1	35		1"X1"	
QB70/QBB70	2.7	48		1"X1"	
QB80/QBB80	2.7	53		1"X1"	
QB90	2.7	75		1"X1"	

3.Explosive View

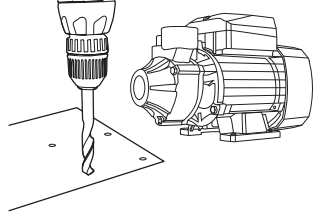


NO.	Components	NO.	Components	NO.	Components
1	Pump body	9	Bolt	17	Motor body
2	Bolt	10	Cable flange sheath	18	Washer
3	Motor front cover	11	Fan cover	19	Mechanical seal
4	Bolt	12	Fan	20	O-ring
5	Cable sheath	13	Motor end cover	21	Impeller key
6	Terminal box	14	Bearing	22	Impeller
7	Terminal block	15	Coil		
8	Capacitor	16	Rotor		

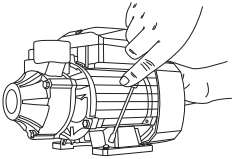
4. Installation



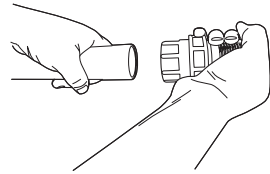
1. Measure the foothole distance of pump, underline it on the mounting plate



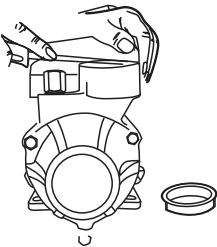
2. Drill hole on the place that you underlined



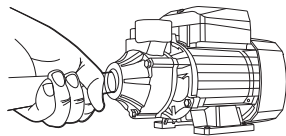
3. Fix the pump to the mounting plate by screwdriver.



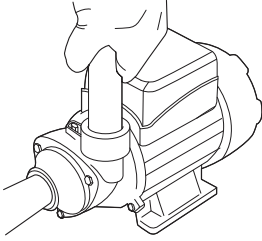
4. Install valve at the end of inlet pipe.



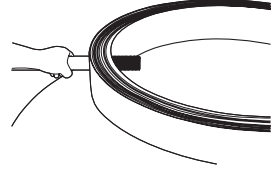
5. Do not forget to remove the dust cover.



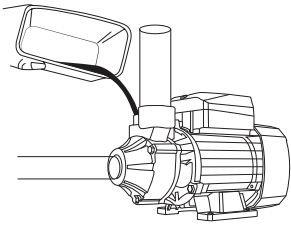
6. Wrap some rounds of PTFE tape on the pipe (without valve), connect pipe with pump inlet.



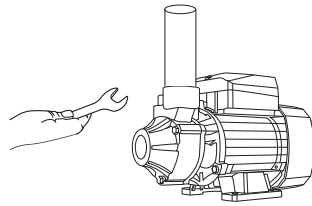
7. Wrap some rounds of PTFE tape on the pipe (without valve), connect pipe with pump outlet.



8. Put outlet pipe to cistern.



9. Open the bolt, fill pump body with water.



10. Tighten the bolt.

5. Electrical connection



Do not wiring before turning the power off
 The electric pump should be grounded to prevent electric leakage, and equipped with an electric leakage protection switch.

5.1 Electrical connection and protection should meet with local regulations, strictly follow the specification of working voltage that is marked on the nameplate.

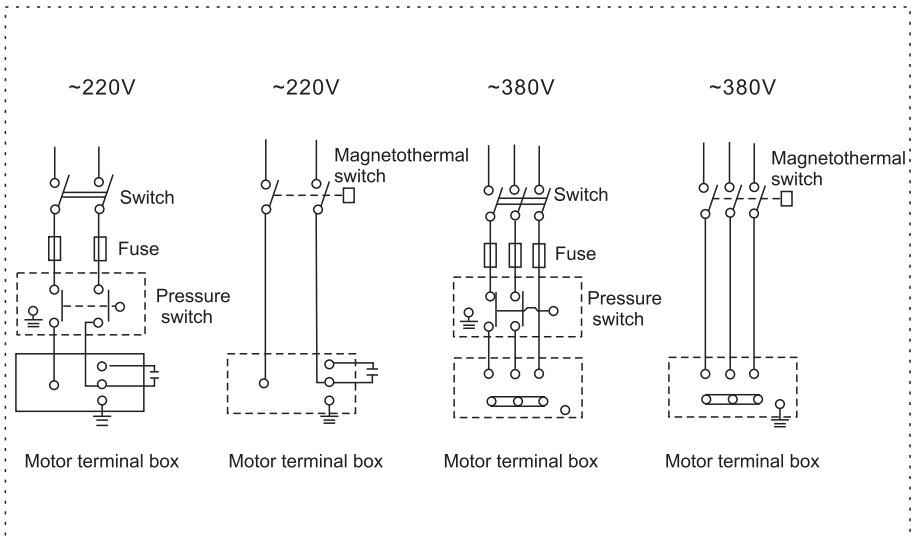
5.2 If the pump is far away from the power supply, properly use larger size cable to ensure the pump works normally

5.3 If the pump is used outdoors, the extension cable must be outdoor rubber cable.

5.4 Check motor rotation (three-phase motor)

By observing the rotation of fan to check if the motor works normally .

If it rotates clockwise, the pump runs in the correct direction. If the rotation is incorrect, disconnect the power supply and exchange the two power leads.



6.Troubles Shooting Guide

Failures	Possible Causes	Corrective Action
Motor can not start	Cable is in poor connection or broken	Check terminals or replace new cable
	Impeller jamed	Fix stuck parts or remove debris
	Stator winding burns out	Re-wiring and replace
	Low voltage	Adjust voltage to 0.9-1.1 times of rated value
	Cable voltage drops a lot	Use larger size cable as required
	Capacitor is broken	Replace with same capacitor
Motor runs but can not pump water	Air leakage of inlet/ pipe	Check the tightness of pipe, joint etc
	The valve is closed or blocked, or the filter is blocked	Check the condition of valve, remove obstructions, and clean impurities in the filter
	The seals parts is air leaked	Fix or replace new seals parts
	Well level is lower than pump suction	Check well level
Insufficient water flow	The pipeline is too long, the head is too high or the pipeline is too bent	Shorten the pipeline, use it within the range of head, or make the pipeline bend smoothly
	Insufficient water supply / the valve or filter is blocked	Check water supply, remove clogged debris
	Impeller is seriously worn	Change impeller
Pump stops working suddenly	The switch is off or the fuse burn out	Check if the head or voltage meets the regulations, and do adjustment
	The impeller is jamed	Remove debris
	Stator winding burn out	Re-wiring and maintaining
	The motor is overloaded, and make thermal protector work	Check overloaded causes and troubleshoot after the motor temperature drops and the protector automatically resets
Winding is burnt out	Low voltage	Check problems, replace the motor or send to after service center
	Water leakage cause the short circuit of coil	
	The impeller is blocked	
	Pump frequently start	
	Pump is overloaded running	