

## QJD SERIES

## DEEP WELL MULTISTAGE SUBMERSIBLE PUMP

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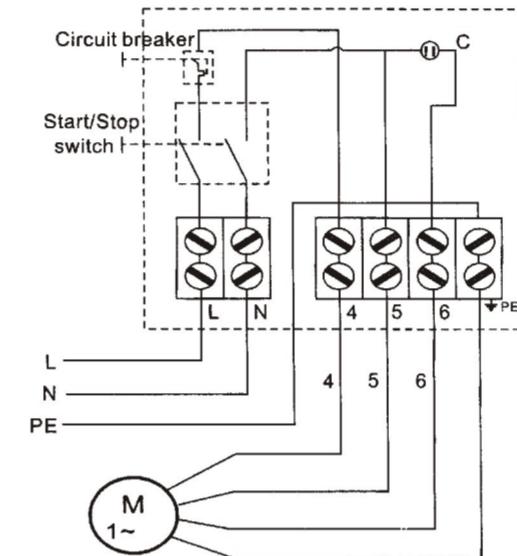
## TECHNICAL DATA:

## Single phase motor starting controller

Single phase capacitance operating motor is equipped with an external capacitance and a over-load protector motor starting controller which can automatically break down power supply (manual recover) when motor over-loading

- suitable application range  
Type of motor: Single phase capacitance motor  
Motor power: 0.37-2.2 kW  
Voltage: 240v/AC  
Frequency: 50Hz
- Installation environment index  
Grade of protection: IP20  
Environment temperature: -25 °C ~ +55 °C  
Environment humidity: (20-90)%RH

- Product functions  
Protect against short circuit  
Protect for over current
- Operating method  
Manual control



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Caution!

1. Please read the instruction book before operating the pump
2. The double color yellow and green wire of cable must be grounding safely
3. Please install a electrical control unit before application
4. If the pump requires maintenance should switch-off power supply firstly then take out of plug
5. Must not be to wash, swim and pasture domestic animals in within the working area water during pump operating
6. Strictly forbid to use cable as hanging rope

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Problem	Causes	Solution
Have not water pumping out	1 Power voltage is too low 2 Open circuit 3 Impeller is locked 4 Cable broken or switch and plug are worn 5 The cable is short of a phase 6 Stator winding is burned	1 Adjust the power voltage and waiting the voltage instable, then start the pump 2 Find out the reason and remove it 3 Disassemble the pump and clean the impeller 4 Change a new one 5 Send to the maintenance department to change the stator winding 6 Send to the maintenance department to change the stator winding
Capacity is not enough	1 The net of filter is blocked 2 Three phase motor is running in reverse direction 3 Impeller is worn 4 The rotor of squirrel-cage motor is broken	1 Clean the net of filter 2 Proper connect the power cable in right direction 3 Change a new impeller 4 Send to the maintenance department to change a new rotor
Motor is supper Heating	1 Capacity is much big head is too low 2 Excessive wear of the impeller which is blocked by foreign substance 3 The voltage is too low 4 The cable is too long or poor quality 5 The motor has got damp 6 The bearing of motor is worn	1 Adjust the throttle valve to decrease capacity 2 Clean away the foreign substance 3 Adjust the voltage or waiting until the voltage is stable, then start the motor 4 Change a right diameter and good quality cable 5 Drying the motor 6 Change a new bearing
Stator winding is burned	1 Wrong connect for ground wire or cable broken 2 Seal is worn and tear to make the phase short by leaking water from the seal 3 The pump is running under over load 4 A part of mechanical is blocked 5 Cable is damaged and winding had got damp 6 Switch of pump is damaged and motor is short of phase 7 The pump is struck by lightning	Send the pump to the maintenance department of our company to change the stator winding

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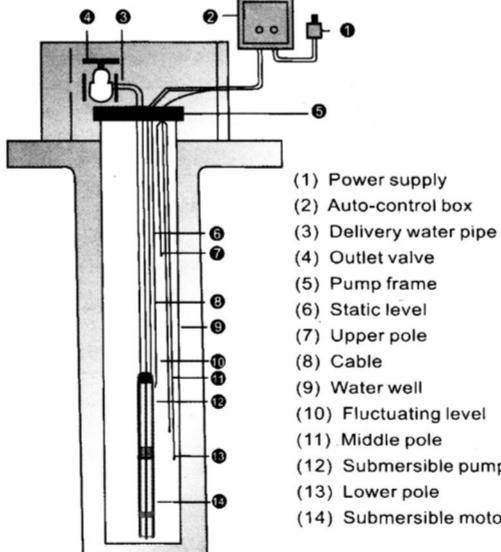
## DIMENSION TABLE OF CABLE IN WELL

The following table shows the max. Length from the starter of motor to pump in well.  
● Single phase capacitor operating submersible motor in well

● If it used the star-delta connection to start the motor that the current will reduce  $\sqrt{3}(1 \times 0.58)$ , so the length of cable can increase  $\sqrt{3}(L \times 1.73)$  than the data in table.

● For example in fact the current of submersible pump is lower than the load current 10% the length of cable can be longer 10% than the data in table.

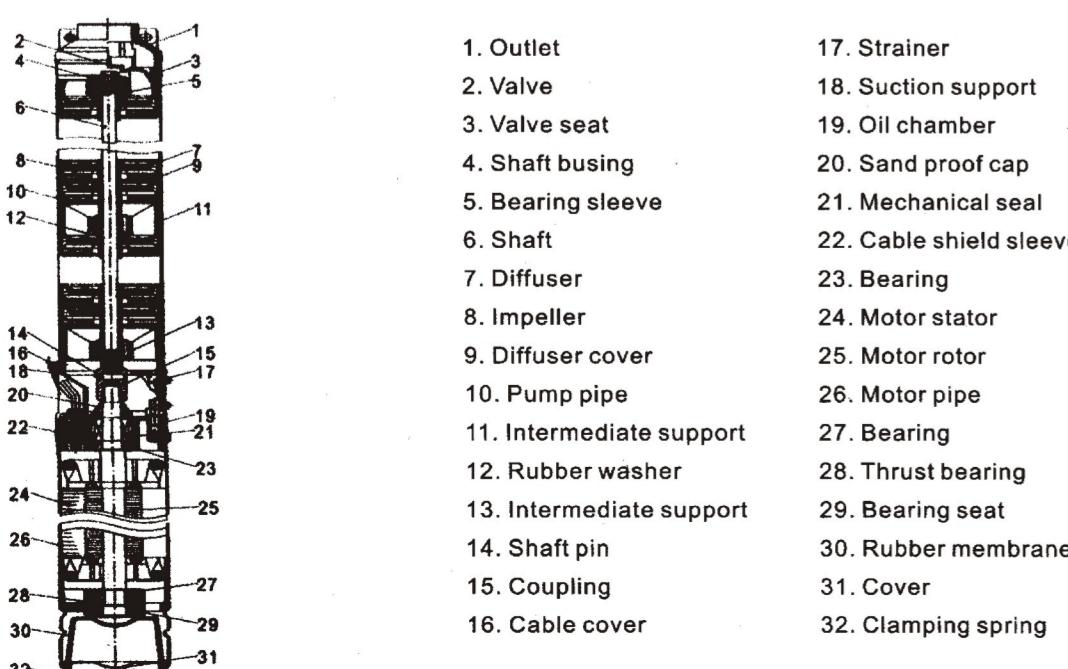
● In order to reduce operating loss as far as possible, selected the cross section can much increase than the data in table. Especially for the condition which operating voltage is lower than the rated voltage.



- (1) Power supply
- (2) Auto-control box
- (3) Delivery water pipe
- (4) Outlet valve
- (5) Pump frame
- (6) Static level
- (7) Upper pole
- (8) Cable
- (9) Water well
- (10) Fluctuating level
- (11) Middle pole
- (12) Submersible pump
- (13) Lower pole
- (14) Submersible motor

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## Feed back message of quality by customer

Thank you buy our products, please send

Back your suggestions and advices.

Archives of customer  
Customer:

1. Price

2. Service after sale

3. Appearance

4. Performance whether meet Stipulation requirement with nameplate:

5. Where need to improve

6. Others:



**Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.