# 警 ⚠ 告

1、在使用本产品前，请认真阅读使用说明书。

2、安装高扬程水泵必须采用“从电机底座到接泵管紧固联接”强制保护措施，以防意外事故发生。

3、所有水泵必须配置控制开关，水泵过载时，控制开关必须正常运行。

4、水泵配套电缆必须与电动机的额定电压、 电流相匹配； 电缆应适当固定。

5、水泵在特殊使用场合，必须可靠接地，注意安全。

6、为了防止触电，移动、维修或清理水泵前必须切断电源。

7、水泵使用时严禁无水运转、严禁人畜接近工作区域。

8、安全警告标志，贴在电机上部的醒目位置。

## warning

1. Please read the instruction manual carefully before using this product.

2, the installation of high lift pump must use "from the motor base to the pump pipe fastening connection" mandatory protection measures to prevent accidents.

3, all pumps must be configured with a control switch, when the pump is overloaded, the control switch must operate normally.

4, the pump cable must be matched with the rated voltage and current of the motor; Cables should be properly fixed.

5, water pump in special use occasions, must be reliably grounded, pay attention to safety.

6, in order to prevent electric shock, the power must be cut off before moving, repairing or cleaning the pump.

7, when the pump is used, it is strictly prohibited to run without water, and it is strictly prohibited to approach the working area.

8, safety warning signs, affixed to the top of the motor eye-catching position.

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**注意：**为了确保安全，在使用本产品前，请您认真阅读使用说明书。
**Note:** In order to ensure safety, please read the instructions carefully before using this product.

# 一、使用须知

1、电机使用前必须灌满清水，拧紧注水、放气螺塞，否则不准使用。

2、陆地试运转通电不超过1秒。

3、电泵不准倒卧或倾斜使用。

4、电动机必须完全潜入水中，但潜入深度不大于70米。

5、引线与电缆接头按规定操作。

6、订购高扬程特种井用潜水电泵请参阅《高扬程潜水电泵型谱》及《高扬程潜水电泵使用手册》。安装时必须采用“铁丝从电机底座到接泵管捆绑”的强制性保护措施，以防止意外事故发生。

**1. Instructions for use**

1, the motor must be filled with clean water before use, tighten the water injection, air discharge plug, otherwise not allowed to use.

2, the land test operation power does not exceed 1 second.

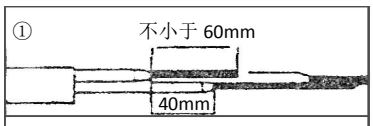
3, the pump is not allowed to lie down or tilt the use.

4, the motor must be completely submerged in the water, but the depth of diving is not greater than 70 meters.

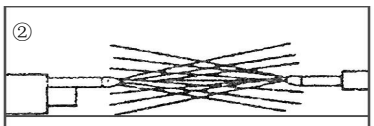
5. The lead and cable connectors are operated according to the regulations.

6, Order high head special well submersible pump, please refer to "Gaoyangcheng submersible pump spectrum" and "GaoYangcheng submersible pump Manual". Mandatory protection measures of "binding of the wire from the motor base to the pump pipe" must be adopted during installation to prevent accidents.

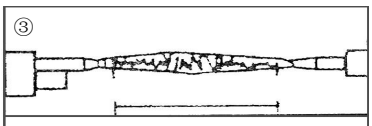
# 二、电缆接头方法




1、去掉绝缘层，不得损坏导体。
2、3 根导线长短错开。
3、刮净导体绝缘漆膜
4、保证接头不存有油、水和其它污物。



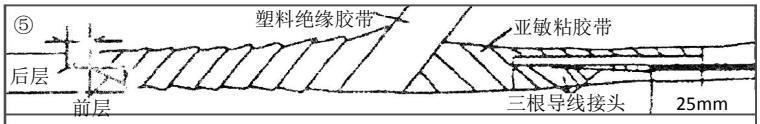

1、把接头分为数股(不少于 6 股)均分开。
2、把两个接头交叉在一起， 交叉长度以两端线头与绝缘层对齐为宜。




1、把各股紧合一起，从中部分出一股向一端缠绕、使各股一次缠绕完毕。
2、另一端以同样方法进行。
3、用手钳把接头缠紧，有条件时可把接头挂锡，使效果更佳。

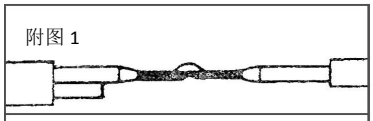



1、先用普通黑胶布对缠绕部分包扎两层、包扎要紧。
2、亚敏胶粘带(黑色)包扎 3 层，每包扎一层用手挤压一次， 保证包扎质量，
3、最后用塑料绝缘胶带包扎两层即可。

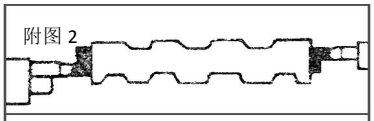



1、先整理好小接头，用亚敏胶粘带包扎 5 层 (不得少于 4 层)并要包住电缆护套部分 25mm 以上。

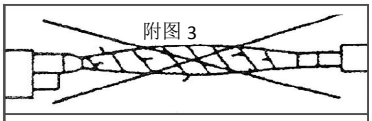
2、用塑料绝缘胶带包扎 3 层，两端部超过前一层 5mm 以上，最好再用 50mm 宽，长度适当的自行车内胎，锉净两面，涂上胶水，在接头外面缠绕一层，起保护作用。




采用电弧焊接头更佳




也可采用套管冷压接头方法



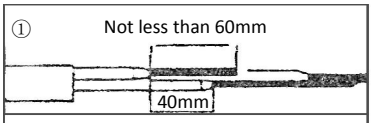

在包扎第一层黑胶布时
不得让铜丝头漏出或扎透胶布

**请您注意**

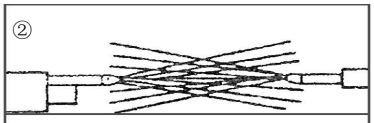
1、包扎接头前需要检查电机的绝缘，符合说明书要求方可接线，接头包好后必须在室温水中浸泡 12 小时后，测量绝缘，达到要求后方可下井。2、两种胶带均有弹性，包扎时应拉紧，最后一层包完后原处绕几圈，防止长时间后脱开。
3、每个接头在包扎中，当胶带缠绕到两端头时，后缠绕层必须超出前层 5mm 以上。
4、包扎三根单蕊引线时，把亚敏胶带卷成三角形状垫入孔隙处，以防水渗入。(如图)



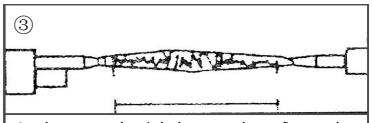
## Second, cable joint method



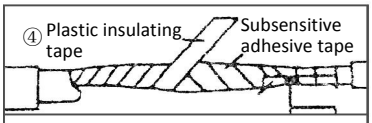

1, remove the insulation layer, shall not damage the conductor.
2. The length of 3 wires is staggered.
3. Scrape the conductor insulation film
4, ensure that the joint does not contain oil. water and other dirt.




1, the joint is divided into several strands (not less than 6 strands) are separated.
2. Cross the two joints together, and the cross length should be aligned with the insulation layer at both ends.




1, the strands tightly together, from the middle part of a strand winding to one end, so that each strand winding is completed.
2. The other end is carried out in the same way.
3, use the pliers to wrap the joint tightly, when conditions can hang the joint tin, so that the effect is better.




1, first use ordinary black tape to wrap the winding part of two layers, bandage tight.2, subsensitive adhesive tape (black) wrap 3 layers, each wrap a layer by hand extrusion once to ensure the quality of the wrap, 3, finally wrap two layers of plastic insulation tape can be.



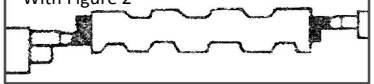

1, first finish the small joint, with subsensitive adhesive tape wrapped 5 layers (not less than 4 layers) and to cover the cable sheath part of 25mm or more.
2, wrap 3 layers with plastic insulation tape, both ends are more than 5mm above the previous layer, it is best to use 50mm wide, appropriate length of bicycle inner tube, file both sides, coated with glue, wrap a layer outside the joint, play a protective role.

With Figure 1



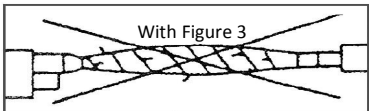
Using arc welded joints is preferable

With Figure 2



The cold-pressed joint method of casing can also be used

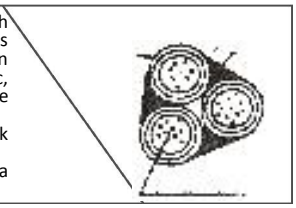
With Figure 3



While wrapping the first layer of black tape Do not let the copper wire tip leak out or tie through the tape

**I beg your attention**

1. Before wrapping the joint, it is necessary to check the insulation of the motor, which can be connected according to the requirements of the manual. After the joint is wrapped, it must be soaked in room temperature water for 12 hours, and the insulation can be measured before reaching the requirements. 2, both kinds of tape are elastic, bandage should be pulled tight, the last layer wrapped after a few circles around the original, to prevent a long time off.
3. When each joint is wrapped, when the tape is wrapped to the two ends, the back wrapping layer must be more than 5mm beyond the front layer.
4. When wrapping the three single-core leads, roll the Yasmin tape into the pores in a triangular shape to waterproof infiltration. (as shown)



## 三、使用条件

井用潜水电泵是电机与水泵直联一体潜入水中工作的提水机具，主要适用于农田灌溉、城市、工矿企业的给排水工程。

**1、电源要求：**

(1)额定频率为50赫兹，电机端额定电压应保证为380±5%伏的三相交流电源(若用户电压为660伏时需特殊订货)。

(2)变压器负载功率不应超过其容量的75%。

(3)变压器距井较远时，应考虑输电线线压降，对功率大于45KW的电机，要求变压器到井口距离不超过20米，大于20米时，要求输电线规格比配套电缆规格大两个等级，并考虑线压降。

**2、水质要求：**

(1)一般无腐蚀性清水。

(2)水中含沙量不大于0.01%（质量比）。

(3)酸碱度PH值在6.5-8.5范围内。

(4)水中氯离子含量不大于400毫克/升。

(5)硫化氢含量不大于1.5毫克/升。

(6)水温不高于20℃。

**3、井筒要求**

正直、光滑、不得有凸起或井管错位现象，井内径不小于相应的机座号。

## 3. Conditions of use

Submersible pump is a submersible pump directly connected with the motor and the pump into the water to work in the water lifting machine, mainly suitable for farmland irrigation, urban, industrial and mining enterprises water supply and drainage projects.

**1, power requirements:**

(1) The rated frequency is 50 Hz, and the rated voltage of the motor end should be guaranteed to be 380± 5% volts of three-phase AC power supply (if the user voltage is 660 volts, special orders are required).

(2) The transformer load power should not exceed 75% of its capacity.

(3) When the transformer is far from the well, the voltage drop of the transmission line should be considered. For the motor with a power greater than 45KW, the distance from the transformer to the wellhead is required to be no more than 20 meters. When it is greater than 20 meters, the transmission wire specifications are required to be two levels larger than the supporting cable specifications, and the line voltage drop should be considered.

**2, water quality requirements:**

(1) Generally non-corrosive water.

(2) The sand content in the water is not more than 0.01% (mass ratio).

(3) PH value in the range of 6.5-8.5.

(4) The chloride ion content in water is not more than 400 mg/L.

(5) Hydrogen sulfide content is not more than 1.5 mg/l.

(6) The water temperature is not higher than 20℃.

**3. Wellbore requirements**

Straight, smooth, no bulge or pipe dislocation phenomenon, well diameter is not less than the corresponding frame number.

## 四、技术规格 Technical specifications

1、型号举例说明（Model example）：

(1)潜水泵型号：200

（Submersible pump type）: 200 QJ (R) □ — □ / □

| 机座号（毫米） | 井用潜水 | 热水 | 额定流量（$m^3/h$） | 额定扬程（m） | 级数 |
|---|---|---|---|---|---|

(2)潜水泵型号：

（Submersible pump type）: YQS (R) 200 — □

| 三相异步潜水湿式电动机 | 热水 | 机座号（mm） | 功率 Kw |
|---|---|---|---|

(3) 普通型潜水电泵不需标注（R）

Common submersible pumps do not need to be marked（R）

2、主要技术数据(详见附表)

2. Main technical data (see attached table for details)

## 五、结构说明

1、潜水电泵装置由水泵、电机、输水管道、防水电缆和控制开关五大部分组成，水泵为单吸多级立式离心泵。

2、潜水电机采用充水湿式结构，内腔充满清水，主要用于电机冷却及轴承润滑。在运转过程中由于温度变化，引起电机内腔充水压力变化时，可由电机下端调压装置自动调节。

3、为防止泥砂侵入电机，在电机上端装有甩砂器和骨架油封，组成了防砂机构，整个电机系密封结构。

4、电机上端设有注水孔及排气孔，下端设有放水孔。

5、电机下部装有止推轴承及推力盘，主要承受水泵的剩余轴向力和电机转子的自重。

6、电机的定子绕组采用耐水电磁线，有良好的绝缘和耐水性能，转子为鼠笼型结构。

**5. Structure description**

1, submersible electric pump device by pump, motor, water pipeline, waterproof cable and control switch five parts, the pump is a single suction multi-stage vertical centrifugal pump.

2, the submersible motor is water-filled wet structure, the inner cavity is full of water, mainly used for motor cooling and bearing lubrication. When the pressure of filling water in the motor cavity changes due to the temperature change during operation, it can be automatically adjusted by the voltage regulator at the lower end of the motor.

3. In order to prevent the intrusion of mud and sand into the motor, the upper end of the motor is equipped with a sand slinger and a skeleton oil seal, which constitutes a sand control mechanism and a sealing structure of the entire motor system.

4. The upper end of the motor is provided with water injection holes and exhaust holes, and the lower end is provided with water discharge holes.

5. The lower part of the motor is equipped with thrust bearings and thrust plates, which mainly bear the remaining axial force of the water pump and the self-weight of the motor rotor.

6, the stator winding of the motor is water-resistant electromagnetic wire, with good insulation and water resistance, and the rotor is a squirrel cage structure.

# 六、机组安装

## 1、安装须知：

(1)水泵进水口必须在动水位1米以下，但潜水深度不得超过静水位以下70米，电机下端距井底最少在1米以上。 (见附图)

(2)额定功率小于或等于15KW(电源允许时25KW)电动机采用满压启动。

(3)额定功率大于15KW，电动机采用降压启动。

(4) 使用环境必须符合本说明书规定的条件。

**Six, unit installation**

**1. Installation instructions:**

(1) The water inlet of the pump must be 1 meter below the dynamic water level, but the diving depth must not exceed 70 meters below the static water level, and the lower end of the motor must be at least 1 meter from the bottom of the well. (See attached picture)

(2) The rated power is less than or equal to 15KW(25KW when the power supply allows) the motor uses full voltage start.

(3) The rated power is greater than 15KW, and the motor is started by step-down.

(4) The use environment must comply with the conditions specified in this manual.

## 2、安装前的准备：

(1)首先检查水井的直径、静水深度及供电系统是否符合使用条件。

(2)检查电泵转动是否灵活，应无卡死点，分装的电机和电泵应用联轴器联接，注意上紧顶丝。

(3)打开排气和注水螺塞，往电机内腔注满清水。注意防止假满、上好螺塞，不应有漏水现象。

(4)用500伏兆欧表测量电机绝缘，应不低于150兆欧。

(5)应备有相应的吊装工具，如三角架、吊链等。

(6)装好保护开关和启动设备，瞬时启动电机(不超过一秒)，看电机的转向是否和转向标牌相同，若相反，调换电源任意两个接头即可，然后上好护线板和滤水网，准备下井。在电机与水泵联接试转向时，必须从泵出水口灌入清水，待水从进水节流出时方可启动。

**2. Preparation before installation:**

(1) First check whether the diameter of the well, the depth of the standing water and the power supply system meet the conditions of use.

(2) Check whether the electric pump rotation is flexible, there should be no stuck dead point, the assembled motor and the electric pump should be connected by a coupling, and pay attention to tightening the top wire.

(3) Open the exhaust and water injection plug, and fill the motor cavity with clean water. Pay attention to prevent false full, good plug, there should be no leakage phenomenon.

(4) Use a 500 volt megohm meter to measure motor insulation, which should not be less than 150 megohm.

(5) Appropriate lifting tools, such as tripod, chain, etc., should be available.

(6) Install the protection switch and starting equipment, start the motor instantaneously (no more than one second), see whether the motor steering and

steering signs are the same, if the opposite, replace any two connectors of the power supply, and then good wire plate and water filter, ready to go down the well. When the motor is connected to the pump for test steering, water must be poured into the pump outlet, and the water can only be started when the water is throttled out from the water.

**3、安装:**

⑴详见附图　首先在泵的出水口上安装接泵管一节，并用夹板夹住，吊起落入井中，使夹板座落在井台上。

⑵再用一付夹板夹住另一节输水管。然后吊起，降下与接泵管法兰加胶垫相接，拧螺丝时必须对角线同时进行。升起吊链拆下第一付夹板，使泵管下降夹板又落在井台上。依次反复进行安装、下井，直到全部装完，放上井盖，最后一付夹板不拆卸将其放在井盖上。

⑶安装弯管、闸阀、出水口等，并加相应胶垫密封。

⑷电缆线要固定在输水管法兰上的凹槽内，每节用绑绳固定好，下井过程要小心，不得碰伤电缆。

⑸下泵过程中如有卡住现象，要想法克服卡点，不能强行下泵，以免卡死。

⑹安装时严禁人员下井作业。

⑺保护开关和启动设备应安装在用户的配电盘后，配电盘配有电压表、电流表、指示灯，并放置在井房内适当位置。

⑻采用“铁丝从电机底座到接泵管捆绑”的强行保护措施，以防止意外事故发生。

⑴详见附图　首先在泵的出水口上安装接泵管一节，并用夹板夹住，吊起落入井中，使夹板座落在井台上。

⑵再用一付夹板夹住另一节输水管。然后吊起，降下与接泵管法兰加胶垫相接，拧螺丝时必须对角线同时进行。升起吊链拆下第一付夹板，使泵管下降夹板又落在井台上。依次反复进行安装、下井，直到全部装完，放上井盖，最后一付夹板不拆卸将其放在井盖上。

⑶安装弯管、闸阀、出水口等，并加相应胶垫密封。

⑷电缆线要固定在输水管法兰上的凹槽内，每节用绑绳固定好，下井过程要小心，不得碰伤电缆。

⑸下泵过程中如有卡住现象，要想法克服卡点，不能强行下泵，以免卡死。

⑹安装时严禁人员下井作业。

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**3, installation:**

(1) See the attached figure for details. First, install a section of the pump pipe on the water outlet of the pump, clamp it with a splint, lift it into the well, and make the splint sit on the well platform.

(2) Use a splint to clamp another water pipe. Then lifting, lowering and pump pipe flange and rubber pad connected, screw must be diagonal at the same time. Lift the chain and remove the first set of splints, so that the pump pipe is lowered and the splints are placed on the well platform. Install and run the well repeatedly in turn until all is installed, put on the well cover, and put the final splint on the well cover without disassembling it.

(3) Install the elbow, gate valve, water outlet, etc., and add the corresponding rubber pad seal.

(4) The cable should be fixed in the groove on the water supply pipe flange, and each section should be fixed with a tying rope. The well process should be careful not to hurt the cable.

(5) If there is a jamming phenomenon in the pump process, it is necessary to overcome the card point, and the pump can not be forced to avoid getting stuck.

(6) Personnel are strictly prohibited from downhole operation during installation.

(7) The protection switch and starting equipment should be installed after the user's switchboard, which is equipped with a voltmeter, ammeter, and indicator light, and placed in the appropriate position in the well.

(8) The use of "wire from the motor base to the pump pipe binding" forced protection measures to prevent accidents.

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# 七、启动、运转和停车

1、 启动:

(1)用 500 伏兆欧表测量电机绕组对地绝缘电阻值应不低于 5 兆欧。

(2)启动后，观察电流、电压是否符合规定范围，运转声音有无异常及震动发生，若不正常应及时处理解决。

2、运转:

电泵运转中经常要观察电压、电流、流量和扬程，如发现下列情况之一应立即停止运行。

(1) 在额定电压时电流超过额定值。

(2)额定扬程时，流量较正常情况下降低较大。

(3)绝缘电阻低于 0.5 兆欧。

(4) 泵间歇出水。

(5)电泵有突然声响或较大的震动。

(6) 保护开关频繁跳闸。

3、停车:

(1)停车即关闭电源，再启动时，须等 5 分钟或更长时间进行，以防电机温升过高，停车后最好切断电源。

(2)保护开关不可停用，用铝丝、铜丝或加大保险丝的作法是非常危险的。

**7. Start, run and stop**

1. Start:

(1) The insulation resistance value of the motor winding to the ground measured with a 500 volt megohm meter should not be less than 5 megohm.

(2) After starting, observe whether the current and voltage meet the specified range, whether the running sound is abnormal and whether the vibration occurs, if abnormal, it should be dealt with in time.

**2. Operation:**

Electric pump operation often to observe the voltage, current, flow and head, if found one of the following circumstances should immediately stop operation.

(1) The current exceeds the rated value at the rated voltage.

(2) When the rated head is used, the flow rate is lower than normal.

(3) Insulation resistance less than 0.5 megohm.

(4) Intermittent pump water.

(5) The electric pump has a sudden sound or large vibration.

(6) Frequent tripping of the protection switch.

**3. Parking:**

(1) Parking is to turn off the power, and then start, wait 5 minutes or longer to prevent the motor temperature rise too high, it is best to cut off the power after parking.

(2) The protection switch cannot be deactivated, and the practice of using aluminum wire, copper wire or increasing the fuse is very dangerous.

## 八、保养、维修和保存

1、力求电泵在正常工况下运行。

2、应用阀门调节流量、扬程，不得超载运行。

3、电泵每运转 2500 小时进行一次大检修。

4、电泵机组的拆卸。

从引线和电缆接头处剪断，拆去护线板和滤水网，拧下进水节与电机联接座螺栓，拧下联轴器顶丝，将电机和水泵分离。取去联轴器。

5、水泵拆卸：

依次拆下进水节—锥形套(用拆装筒轻轻敲打)—叶轮—导流壳—上导流壳—止逆阀体。

6、 电机拆卸，

拧下放水螺塞将水放净，将电机横放在木架上，取下甩砂器，拆下联接座，依次拆下：底座一止推轴承一推力盘一下导轴承座—取出转子——上导轴承座。

7、电泵机组装配：

清除铁锈、油泥、污垢，电机和水泵分别装好键，用联轴器将电机与水泵连接上好顶丝，并将进水节与联接座结合面涂上黄油，并用螺栓连接，将引线与电缆相接。

8、电机的装配次序：

定子组装→下导轴承座组装→转子组装→推力盘→左扣螺母→止推轴承组装→底座组装→上导轴承座组装→骨架油封→甩砂器→联接座，调整调整螺栓使电机轴伸符合规定要求，然后上好调压膜及调压盖。

9、水泵的装配：

将轴和进水节固定在定位座上，用拆装筒将叶轮、锥形套固定在轴上，再装导流壳、叶轮……这样依次装完，然后安装上导流壳，止逆阀体等。

10、 电泵的保存：

电泵存放时，首先放净电机内部的清水，擦干表面。轴伸涂上黄油，将电缆包扎好，存放地应无尘，无腐蚀性物质，室温不低于 0℃不高于 30℃。

**Eight.Maintenance, repair and preservation**

1. Strive to run the electric pump under normal conditions.

2, the application of valves to adjust the flow, head, not overload operation.

3, the electric pump every 2500 hours for a major overhaul.

4. Disassembly of electric pump unit.

Cut from the lead and cable joints, remove the guard plate and water filter net, unscrew the water inlet section and motor coupling seat bolt, unscrew the coupling top wire, and separate the motor and water pump. Remove the coupling.

5, water pump disassembly:

Remove the inlet joint - conical sleeve (gently tap with the disassembly cylinder) - impeller - guide housing - upper guide housing - check valve body.

6, motor disassembly,

Unscrew the water drain plug to clear the water, put the motor across the wooden frame, remove the sand ejector, remove the coupling seat, and remove successively: the base one thrust bearing one thrust plate one guide bearing seat - take out the rotor - the upper guide bearing seat.

7. Assembly of electric pump unit:

Remove rust, sludge and dirt, the motor and water pump are installed with keys, the motor and water pump are connected with a good top wire with a coupling, and

the water inlet section and the joint surface of the coupling seat are coated with butter, and the lead is connected with the cable.

8. Assembly sequence of the motor:

Stator assembly → lower guide housing assembly → rotor assembly → thrust plate → left nut → thrust bearing assembly → Base assembly → Upper guide housing assembly → skeleton oil seal → sand spinner → coupling seat, adjust the adjusting bolt to make the motor shaft reach the specified requirements, and then good pressure regulating film and pressure regulating cap.

9. Assembly of water pump:

The shaft and the water inlet section are fixed on the positioning seat, the impeller and the conical sleeve are fixed on the shaft with the disassembly cylinder, and then the guide shell and the impeller are installed. This is completed in turn, and then install the upper guide housing, check valve body, etc.

10, the preservation of electric pump:

When the electric pump is stored, first clean the water inside the motor and dry the surface. The shaft extension is coated with butter, and the cable is bandaged well. The storage place should be dust-free, non-corrosive substances, and the room temperature should not be lower than 0 ° C and not higher than 30 ° C.

## 九、三包条件

潜水电泵因故障返修时，用户来厂请带发票、合格证、保修卡，经鉴定手续齐全方可受理。

1、我厂生产的各种电泵，用户按照使用说明书正确地存放和使用潜水电泵，三包期为一年，以销售单位开据的发票日期为起始计算日。如因本厂制造质量不良而发生损坏，或不能正常工作时，本厂将无偿地为用户包修、包换、包退，易损零件的正常磨损不在此限。

2、三包不适用于以下情况：

(1)电泵用于不符合本说明书使用条件中任何一条或合同规定以外的其它液体。

(2)由于安装或操作不当而发生的问题。

(3)因腐蚀或电解作用而造成的损坏。

(4) 按合同特殊订货。

3、三包期内电机或水泵，未经厂部允许用户不得自行拆修，否则不予三包。

**Nine, three conditions**

Submersible pump due to fault repair, the user to the factory please bring invoices, certificates, warranty card, after the identification procedures can be accepted.

1, our factory produces a variety of electric pumps, the user in accordance with the instructions to correctly store and use the submersible pump, three guarantees for one year, to the sales unit issued the invoice date as the starting calculation date. If the factory is damaged due to poor manufacturing quality, or can not work normally, the factory will be free for the user to repair, replace, return, the normal wear of vulnerable parts is not limited.

2, three guarantees are not applicable to the following situations:

(1) The electric pump is used for liquids that do not conform to any of the conditions of use in this manual or other than those specified in the contract.

(2) Problems due to improper installation or operation.

(3) Damage caused by corrosion or electrolysis.

(4) Special orders according to the contract.

3, the three guarantee period of the motor or pump, without the permission of the factory, the user shall not disassemble and repair themselves, otherwise it will not be three guarantees.

# 十、故障及排除方法 Troubleshooting and troubleshooting methods

| 故障 breakdown | 原　因 cause | 排除方法 Elimination method |
|---|---|---|
| 不上水或<br>出水不足<br>No water or Insufficiency of water | 1.　动水位低于泵吸入口。2.输水管漏水严重或水管脱开。3.转子和轴松动。4.部分叶轮松动。5.电机反转。6.管路堵塞。<br>1. The dynamic water level is lower than the pump inlet. 2. The water pipe leaks or the water pipe is disconnected. 3. The rotor and shaft are loose. 4. Part of the impeller is loose. 5. Motor reversal. 6. The pipe is blocked. | 1.增加输水管。2.更换输水管。3.更换转子。4.重新装配叶轮。5.调换电源接头。6.清除堵塞。1. Add water pipes. 2. Replace the water pipe.3. Replace the rotor. 4. Reassemble the impeller<br>.5. Replace the power onnector. 6. Clear the blockage. |
| 水泵流量降低<br>Pump flow reduction | 1.密封环严重磨损。2.滤水网、导流壳、叶轮流道被堵塞。3.电压、频率较低。<br>4.动水位下降超过水泵额定扬程。<br>1. The sealing ring is seriously worn. 2. The water filter network, the guide shell, and the impeller channel are blocked. 3. Low voltage and frequency. 4. The dynamic water level drops more than the rated lift of the pump. | 1.更换密封环。2.清除堵物。<br>3.停机待电压、频率达到规定值后再启动。4.更换高扬程泵。<br>1. Replace the sealing ring. 2. Remove clogs. 3. Stop until the voltage and frequency reach the specified value and start again. 4. Replace the high lift pump. |
| 机组剧烈震动或电流过大表指针摆动<br>The unit vibrates violently or the current is too large | 1.泵轴或电机轴弯曲。2.泵轴、电机轴和轴承磨损严重。3.止推轴承磨损或损坏。4.推力盘紧固螺母损坏。5.推力盘破裂。6.电机转子扫膛。7.叶轮、转子不平衡或转子断条。8.联接螺栓松动。9.水泵低扬程大流量电机超载。10.井水涌水量不够，间歇出水。1. Pump shaft or motor shaft is bent. 2. Pump shaft, motor shaft and bearing wear seriously. 3. Thrust bearing wear or damage. 4. The fastening nut of the thrust disk is damaged. 5. Thrust disk is broken. 6. Motor rotor sweep. 7. Unbalanced impeller and rotor or broken rotor bar. 8. Connection bolts are loose. 9. Water pump low head large flow motor overload. 10. Well water inflow is not enough, intermittent water. | 1.修理或更换泵轴或电机轴。2.更换轴承。3.更换止推轴承。<br>4.修好轴头，更换螺母。5.更换推力盘。6.找出原因进行修理。7.重作动平衡或更换转子。8.上紧螺栓。9.加闸阀控制流量在工况点进行。10.加闸阀控制出水量。<br>1. Repair or replace pump shaft or motor shaft. 2. Replace the bearing. 3. Replace the thrust bearing.<br>4. Repair the shaft head and replace the nut. 5. Replace the thrust disk. 6. Identify the cause and fix it. 7. Re-balance or replace the rotor. 8. Tighten the bolts. 9. Gate valve control flow at the working point. 10. Add gate valve to control water output. |
| 电机不能启动嗡嗡作响<br>The motor won't start humming | 1.断相。2.电压过低。3.轴承抱轴。4.叶轮密封环之间锈死。5.泵内有异物卡死叶轮不能转动。<br>1. Phase break. 2. The voltage is too low. 3. Bearing holding shaft. 4. Rust is dead between the sealing rings of the impeller. 5. There is a foreign body stuck in the pump impeller can not rotate. | 1.检修线路或启动设备。2. 调整电压。3.修理轴及轴承。4.撬动水泵旋转或拆下泵重装。5.取出异物。<br>1. Repair the cable or start the device. 2. Adjust the voltage. 3. Repair shafts and bearings. 4. Pry the pump to rotate or remove the pump and reinstall。5. Remove foreign objects. |
| 绝缘电阻过低绕组烧毁<br>The insulation resistance is too low and the winding burns out | 1.接头进水。2.绕组破坏。3.电缆破裂。<br>4.电机内缺水。5.缺相运转。6.长时间超载运转。7.电机埋入泥砂中。<br>1. Water enters the connector. 2. Winding damage. 3. The cable is damaged.4. Lack of water in the motor. 5. No phase operation. 6. Overload operation for a long time. 7. The motor is buried in the mud sand. | 1.修接头。2.包扎或更换绕组。<br>3.包扎电缆。4.电机内保证灌满清水。5.检查线路与设备。<br>6.降低负荷使电机电流不超过铭牌规定值。7.按安装要求安装电机。<br>1. Repair the joint. 2. Wrap or replace the winding.3. Wrap the cable. 4. Ensure that the motor is filled with clean water.<br>5. Check cables and devices.6. Reduce the load so that the motor current does not exceed the value specified by the ameplate. 7. Install the motor according to installation requirements. |

# 附表：　　一、井用潜水电泵业有限公司

## First, well diving electric pump industry Co., LTD

| 序号 Serial number | 项目 Item<br>参数 Argument<br>型号 Model number | 流量 Flow rate (m³/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(〞) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 1 | 125QJ8-14/2 | 8 | 14 | 2.2 | 6.11 | 2 | 3×2.5 |
| 2 | 125QJ8-21/3 | | 21 | 2.2 | 6.11 | | 3×2.5 |
| 3 | 125QJ8-28/4 | | 28 | 2.2 | 6.11 | | 3×2.5 |
| 4 | 125QJ8-35/5 | | 35 | 2.2 | 6.11 | | 3×2.5 |
| 5 | 125QJ8-42/6 | | 42 | 2.2 | 6.11 | | 3×2.5 |
| 6 | 125QJ8-49/7 | | 49 | 2.2 | 6.11 | | 3×2.5 |
| 7 | 125QJ8-56/8 | | 56 | 3 | 8.22 | | 3×2.5 |
| 8 | 125QJ8-63 9 | | 63 | 3 | 8.22 | | 3×2.5 |
| 9 | 125QJ8-70/10 | | 70 | 3 | 8.22 | | 3×2.5 |
| 10 | 125QJ8-77/11 | | 77 | 4 | 10.88 | | 3×4 |
| 11 | 125QJ8-84/12 | | 84 | 4 | 10.88 | | 3×4 |
| 12 | 125QJ8-91/13 | | 91 | 4 | 10.88 | | 3×4 |
| 13 | 125QJ8-98/14 | | 98 | 5.5 | 14.48 | | 3×4 |
| 14 | 125QJ8-105/15 | | 105 | 5.5 | 14.48 | | 3×4 |
| 15 | 125QJ8-112/16 | | 112 | 5.5 | 14.48 | | 3×4 |
| 16 | 125QJ8-119/17 | | 119 | 5.5 | 14.48 | | 3×4 |
| 17 | 125QJ8-126/18 | | 126 | 5.5 | 14.48 | | 3×4 |
| 18 | 125QJ15-10/2 | 45 | 10 | 2.2 | 6.11 | | 3×2.5 |
| 19 | 125QJ15-15/3 | | 15 | 2.2 | 6.11 | | 3×2.5 |
| 20 | 125QJ15-20/4 | | 20 | 2.2 | 6.11 | | 3×2.5 |
| 21 | 125QJ15-25/5 | | 25 | 2.2 | 6.11 | | 3×2.5 |
| 22 | 125QJ15-30/6 | | 30 | 3 | 8.22 | | 3×2.5 |
| 23 | 125QJ15-35/7 | | 35 | 3 | 8.22 | | 3×2.5 |
| 24 | 125QJ15-40/8 | | 40 | 4 | 10.88 | | 3×2.5 |
| 25 | 125QJ15-45/9 | | 45 | 4 | 10.88 | | 3×2.5 |
| 26 | 125QJ15-50/10 | | 50 | 4 | 10.88 | | 3×2.5 |
| 27 | 125QJ15-55/11 | | 55 | 5.5 | 14.48 | | 3×4 |
| 28 | 125QJ15-60/12 | | 60 | 5.5 | 14.48 | | 3×4 |
| 29 | 125QJ15-65/13 | | 65 | 5.5 | 14.48 | | 3×4 |
| 30 | 150QJ5-50/7 | 5 | 50 | 3 | 7.9 | 1.5 | 3×2.5 |
| 31 | 150QJ5-78/11 | | 78 | 3 | 7.9 | | 3×2.5 |
| 32 | 150QJ5-100/14 | | 100 | 3 | 7.9 | | 3×4 |
| 33 | 150QJ5-128/18 | | 128 | 4 | 10.3 | | 3×4 |
| 34 | 150QJ5-150/21 | | 150 | 4 | 10.3 | | 3×4 |
| 35 | 150QJ5-178/25 | | 178 | 5.5 | 13.7 | | 3×6 |
| 36 | 150QJ5-200/28 | | 200 | 5.5 | 13.7 | | 3×6 |
| 37 | 150QJ5-250/35 | | 250 | 7.5 | 18.5 | | 3×6 |
| 38 | 150QJ5-300/42 | | 300 | 9.2 | 22.1 | | 3×6 |
| 39 | 150QJ10-50/7 | 10 | 50 | 3 | 7.9 | 2 | 3×4 |
| 40 | 150QJ10-78/11 | | 78 | 4 | 10.26 | | 3×4 |
| 41 | 150QJ10-100/14 | | 100 | 5.5 | 13.74 | | 3×4 |
| 42 | 150QJ10-128/18 | | 128 | 7.5 | 18.5 | | 3×6 |
| 43 | 150QJ10-150/21 | | 150 | 7.5 | 18.5 | | 3×6 |
| 44 | 150QJ10-178/25 | | 178 | 9.2 | 22.12 | | 3×6 |
| 45 | 150QJ10-200/28 | | 200 | 11 | 26.28 | | 3×6 |
| 46 | 150QJ10-250/35 | | 250 | 13 | 30.87 | | 3×10 |
| 47 | 150QJ10-300/42 | | 300 | 15 | 35.62 | | 3×10 |
| 48 | 150QJ20-26/4 | 20 | 26 | 3 | 7.9 | | 3×2.5 |
| 49 | 150QJ20-33/5 | | 33 | 3 | 7.9 | | 3×2.5 |

| 序号 Serial number | 项目 Item<br>参数 Argument<br>型号 Model number | 流量 Flow rate (m³/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(″) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 50 | 150QJ20-39/6 | 20 | 39 | 4 | 10.26 | 2 | 3×2.5 |
| 51 | 150QJ20-46/7 | | 46 | 5.5 | 13.74 | | 3×2.5 |
| 52 | 150QJ20-52/8 | | 52 | 5.5 | 13.74 | | 3×4 |
| 53 | 150QJ20-59/9 | | 59 | 5.5 | 13.74 | | 3×4 |
| 54 | 150QJ20-65/10 | | 65 | 7.5 | 18.5 | | 3×4 |
| 55 | 150QJ20-72/11 | | 72 | 7.5 | 18.5 | | 3×4 |
| 56 | 150QJ20-78/12 | | 78 | 7.5 | 18.5 | | 3×4 |
| 57 | 150QJ20-85/13 | | 85 | 9.2 | 22.12 | | 3×4 |
| 58 | 150QJ20-91/14 | | 91 | 9.2 | 22.12 | | 3×6 |
| 59 | 150QJ20-98/15 | | 98 | 9.2 | 22.12 | | 3×6 |
| 60 | 150QJ20-104/16 | | 104 | 11 | 26.28 | | 3×6 |
| 61 | 150QJ20-111/17 | | 111 | 11 | 26.28 | | 3×6 |
| 62 | 150QJ20-117/18 | | 117 | 13 | 30.87 | | 3×6 |
| 63 | 150QJ20-124/19 | | 124 | 13 | 30.87 | | 3×6 |
| 64 | 150QJ20-130/20 | | 130 | 13 | 30.87 | | 3×6 |
| 65 | 150QJ20-137/21 | | 137 | 15 | 35.62 | | 3×6 |
| 66 | 150QJ20-143/22 | | 143 | 15 | 35.62 | | 3×6 |
| 67 | 150QJ20-150/23 | | 150 | 15 | 35.62 | | 3×6 |
| 68 | 150QJ20-156/24 | | 156 | 15 | 35.62 | | 3×6 |
| 69 | 150QJ20-163/25 | | 163 | 15 | 35.62 | | 3×6 |
| 70 | 150QJ20-170/26 | | 170 | 18.5 | 44.0 | | 3×10 |
| 71 | 150QJ20-176/27 | | 176 | 18.5 | 44.0 | | 3×10 |
| 72 | 150QJ20-182/28 | | 182 | 18.5 | 44.0 | | 3×10 |
| 73 | 150QJ25-24/3 | 25 | 24 | 3 | 7.9 | 25 | 3×2.5 |
| 74 | 150QJ25-32/4 | | 32 | 4 | 10.3 | | 3×4 |
| 75 | 150QJ25-40/5 | | 40 | 5.5 | 13.7 | | 3×4 |
| 76 | 150QJ25-48/6 | | 48 | 5.5 | 13.7 | | 3×4 |
| 77 | 150QJ25-56/7 | | 56 | 7.5 | 18.5 | 2.5 | 3×4 |
| 78 | 150QJ25-64/8 | | 64 | 7.5 | 18.5 | | 3×4 |
| 79 | 150QJ25-72/9 | | 72 | 9.2 | 22.1 | | 3×6 |
| 80 | 150QJ25-80/10 | | 80 | 9.2 | 22.1 | | 3×6 |
| 81 | 150QJ25-88/11 | | 88 | 11 | 26.3 | | 3×6 |
| 82 | 150QJ25-96/12 | | 96 | 11 | 26.3 | | 3×6 |
| 83 | 150QJ25-104/13 | 25 | 104 | 13 | 30.9 | | 3×6 |
| 84 | 150QJ25-112/14 | | 112 | 13 | 30.9 | | 3×6 |
| 85 | 150QJ25-120/15 | | 120 | 15 | 35.6 | | 3×6 |
| 86 | 150QJ25-128/16 | | 128 | 15 | 35.6 | | 3×6 |
| 87 | 150QJ25-136/17 | | 136 | 18.5 | 44.0 | | 3×10 |
| 88 | 150QJ25-144/18 | | 144 | 18.5 | 44.0 | | 3×10 |
| 89 | 150QJ25-152/19 | | 152 | 18.5 | 44.0 | | 3×10 |
| 90 | 150QJ32-12/2 | 32 | 12 | 3 | 7.9 | | 3×2.5 |
| 91 | 150QJ32-18/3 | | 18 | 3 | 7.9 | | 3×4 |
| 92 | 150QJ32-24/4 | | 24 | 4 | 10.3 | | 3×4 |
| 93 | 150QJ32-30/5 | | 30 | 5.5 | 13.7 | | 3×4 |
| 94 | 150QJ32-36/6 | | 36 | 5.5 | 13.7 | | 3×4 |
| 95 | 150QJ32-42/7 | | 42 | 7.5 | 18.5 | | 3×6 |
| 96 | 150QJ32-48/8 | | 48 | 9.2 | 22.1 | | 3×6 |
| 97 | 150QJ32-54/9 | | 54 | 9.2 | 22.1 | | 3×6 |
| 98 | 150QJ32-60/10 | | 60 | 11 | 26.3 | | 3×6 |
| 99 | 150QJ32-66/11 | | 66 | 11 | 26.3 | | 3×6 |
| 100 | 150QJ32-72/12 | | 72 | 13 | 30.9 | | 3×6 |

| 序号 Serial number | 项目 Item<br>参数 Argument<br>型号 Model number | 流量 Flow rate (m’/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(〞) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 101 | 150QJ32-78/13 | 32 | 78 | 13 | 30.9 | 2.5 | 3×6 |
| 102 | 150QJ32-84/14 | | 84 | 13 | 30.9 | | 3×6 |
| 103 | 150QJ32-90/15 | | 90 | 15 | 35.6 | | 3×6 |
| 104 | 150QJ32-96/16 | | 96 | 15 | 35.6 | | 3×6 |
| 105 | 150QJ32-102/17 | | 102 | 18.5 | 44.0 | | 3×6 |
| 106 | 150QJ32-108/18 | | 108 | 18.5 | 44.0 | | 3×10 |
| 107 | 150QJ32-114/19 | | 114 | 18.5 | 44.0 | | 3×10 |
| 108 | 150QJ40-8/1 | 40 | 8 | 3 | 7.9 | | 3×2.5 |
| 109 | 150QJ40-16/2 | | 16 | 4 | 10.3 | | 3×2.5 |
| 110 | 150QJ40-24/3 | | 24 | 5.5 | 13.7 | | 3×4 |
| 111. | 150QJ40-32/4 | | 32 | 7.5 | 18.5 | | 3×4 |
| 112 | 150QJ40-40/5 | | 40 | 9.2 | 22.1 | | 3×4 |
| 113 | 150QJ40-48/6 | | 48 | 9.2 | 22.1 | | 3×6 |
| 114 | 150QJ40-56/7 | | 56 | 11 | 26.3 | | 3×6 |
| 115 | 150QJ40-64/8 | | 64 | 13 | 30.9 | | 3×6 |
| 116 | 150QJ40-72/9 | | 72 | 15 | 35.6 | | 3×6 |
| 117 | 150QJ40-80/10 | | 80 | 18.5 | 44.0 | | 3×6 |
| 118 | 150QJ40-88/11 | | 88 | 18.5 | 44.0 | | 3×6 |
| 119 | 150QJ40-96/12 | | 96 | 18.5 | 44.0 | | 3×6 |
| 120 | 150QJ50-6/1 | 50 | 6 | 3 | 7.9 | 3 | 3×2.5 |
| 121 | 150QJ50-12/2 | | 12 | 4 | 10.26 | | 3×4 |
| 122 | 150QJ50-18/3 | | 18 | 5.5 | 13.74 | | 3×4 |
| 123 | 150QJ50-24/4 | | 24 | 7.5 | 18.5 | | 3×4 |
| 124 | 150QJ50-30/5 | | 30 | 9.2 | 22.12 | | 3×4 |
| 125 | 150QJ50-36/6 | | 36 | 9.2 | 22.12 | | 3×6 |
| 126 | 150QJ50-42/7 | | 42 | 11 | 26.28 | | 3×6 |
| 127 | 150QJ50-48/8 | | 48 | 13 | 30.87 | | 3×6 |
| 128 | 150QJ50-54/9 | | 54 | 15 | 35.62 | | 3×6 |
| 129 | 150QJ50-60/10 | | 60 | 18.5 | 44.0 | | 3×6 |
| 130 | 150QJ50-66/11 | | 66 | 18.5 | 44.0 | | 3×6 |
| 131 | 150QJ50-72/12 | | 72 | 18.5 | 44.0 | | 3×6 |
| 132 | 175QJ10-15/1 | 10 | 15 | 3 | 7.8 | 2 | 3×2.5 |
| 133 | 175QJ10-30/2 | | 30 | 3 | 7.8 | | 3×2.5 |
| 134 | 175QJ10-45/3 | | 45 | 4 | 7.8 | | 3×2.5 |
| 135 | 175QJ10-60/4 | | 60 | 5.5 | 10.1 | | 3×2.5 |
| 136 | 175QJ10-75/5 | | 75 | 5.5 | 13.6 | | 3×2.5 |
| 137 | 175QJ10-90/6 | | 90 | 5.5 | 13.6 | | 3×2.5 |
| 138 | 175QJ10-105/7 | | 105 | 7.5 | 18.4 | | 3×4 |
| 139 | 175QJ10-120/8 | | 120 | 7.5 | 18.4 | | 3×4 |
| 140 | 175QJ10-135/9 | | 135 | 9.2 | 22.1 | | 3×4 |
| 141 | 175QJ10-150/10 | | 150 | 9.2 | 22.1 | | 3×4 |
| 142 | 175QJ10-165/11 | | 165 | 11 | 26.1 | | 3×6 |
| 143 | 175QJ10-180/12 | | 180 | 13 | 30.1 | | 3×10 |
| 144 | 175QJ10-195/13 | | 195 | 13 | 30.1 | | 3×10 |
| 145 | 175QJ10-210/14 | | 210 | 15 | 34.7 | | 3×10 |
| 146 | 175QJ10-225/15 | | 225 | 15 | 34.7 | | 3×10 |
| 147 | 175QJ10-240/16 | | 240 | 18.5 | 42.6 | | 3×16 |
| 148 | 175QJ10-255/17 | | 255 | 18.5 | 42.6 | | 3×16 |
| 149 | 175QJ10-270/18 | | 270 | 18.5 | 42.6 | | 3×16 |
| 150 | 175QJ10-285/19 | | 285 | 22 | 49.7 | | 3×25 |

| 序号 Serial number | 项目 Item<br>参数 Argument<br>型号 Model number | 流量 Flow rate (m³/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(″) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 151 | 175QJ10-300/20 | 10 | 300 | 22 | 49.7 | | 3×25 |
| 152 | 175QJ15-14 | | 14 | 3 | 7.8 | | 3×2.5 |
| 153 | 175QJ15-28/2 | | 28 | 3 | 7.8 | | 3×2.5 |
| 154 | 175QJ15-42/3 | | 42 | 4 | 10.1 | | 3×2.5 |
| 155 | 175QJ15-56/4 | | 56 | 5.5 | 13.6 | | 3×2.5 |
| 156 | 175QJ15-70/5 | | 70 | 7.5 | 18.4 | | 3×4 |
| 157 | 175QJ15-84/6 | | 84 | 7.5 | 18.4 | | 3×4 |
| 158 | 175QJ15-98/7 | | 98 | 9.2 | 22.1 | | 3×4 |
| 159 | 175QJ15-112/8 | | 112 | 11 | 26.1 | | 3×4 |
| 160 | 175QJ15-126/9 | | 126 | 11 | 26.1 | | 3×6 |
| 161 | 175QJ15-140/10 | 15 | 140 | 13 | 30.1 | | 3×6 |
| 162 | 175QJ15-154/11 | | 154 | 15 | 34.7 | | 3×10 |
| 163 | 175QJ15-168/12 | | 168 | 15 | 34.7 | | 3×10 |
| 164 | 175QJ15-182/13 | | 182 | 18.5 | 42.6 | | 3×10 |
| 165 | 175QJ15-196/14 | | 196 | 18.5 | 42.6 | | 3×16 |
| 166 | 175QJ15-210/15 | | 210 | 18.5 | 42.6 | | 3×16 |
| 167 | 175QJ15-224/16 | | 224 | 22 | 49.7 | | 3×16 |
| 168 | 175QJ15-238/17 | | 238 | 22 | 49.7 | | 3×16 |
| 169 | 175QJ15-252/18 | | 252 | 22 | 49.7 | | 3×25 |
| 170 | 175QJ15-266/19 | | 266 | 25 | 56.5 | 2 | 3×25 |
| 171 | 175QJ20-26/2 | | 26 | 3 | 7.8 | | 3×2.5 |
| 172 | 175QJ20-39/3 | | 39 | 4 | 10.1 | | 3×4 |
| 173 | 175QJ20-52/4 | | 52 | 5.5 | 13.6 | | 3×4 |
| 174 | 175QJ20-65/5 | | 65 | 7.5 | 18.4 | | 3×4 |
| 175 | 175QJ20-78/6 | | 78 | 7.5 | 18.4 | | 3×6 |
| 176 | 175QJ20-91/7 | | 91 | 9.2 | 22.1 | | 3×6 |
| 177 | 175QJ20-104/8 | | 104 | 11 | 26.1 | | 3×6 |
| 178 | 175QJ20-117/9 | | 117 | 13 | 30.1 | | 3×6 |
| 179 | 175QJ20-130/10 | | 130 | 13 | 30.1 | | 3×6 |
| 180 | 175QJ20-143/11 | 20 | 143 | 15 | 34.7 | | 3×6 |
| 181 | 175QJ20-156/12 | | 156 | 15 | 34.7 | | 3×6 |
| 182 | 175QJ20-169/13 | | 169 | 18.5 | 42.6 | | 3×6 |
| 183 | 175QJ20-182/14 | | 182 | 18.5 | 42.6 | | 3×6 |
| 184 | 175QJ20-195/15 | | 195 | 22 | 49.7 | | 3×10 |
| 185 | 175QJ20-208/16 | | 208 | 22 | 49.7 | | 3×10 |
| 186 | 175QJ20-221/17 | | 221 | 22 | 49.7 | | 3×10 |
| 187 | 175QJ20-234/18 | | 234 | 25 | 56.5 | | 3×16 |
| 188 | 175QJ20-247/19 | | 247 | 25 | 56.5 | | 3×16 |
| 189 | 175QJ32-24/2 | | 24 | 4 | 10.1 | | 3×4 |
| 190 | 175QJ32-36/3 | | 36 | 5.5 | 13.6 | | 3×4 |
| 191 | 175QJ32-48/4 | | 48 | 7.5 | 18.4 | | 3×4 |
| 192 | 175QJ32-60/5 | | 60 | 9.2 | 22.1 | | 3×6 |
| 193 | 175QJ32-72/6 | | 72 | 11 | 26.1 | | 3×6 |
| 194 | 175QJ32-84/7 | | 84 | 13 | 30.1 | | 3×6 |
| 195 | 175QJ32-96/8 | 32 | 96 | 15 | 34.7 | 2.5 | 3×6 |
| 196 | 175QJ32-108/9 | | 108 | 18.5 | 42.6 | | 3×6 |
| 197 | 175QJ32-120/10 | | 120 | 18.5 | 42.6 | | 3×6 |
| 198 | 175QJ32-132/11 | | 132 | 22 | 49.7 | | 3×6 |
| 199 | 175QJ32-144/12 | | 144 | 22 | 49.7 | | 3×10 |
| 200 | 175QJ32-156/13 | | 156 | 25 | 56.5 | | 3×10 |

| 序号 Serial number | 项目 Item<br>参数 Argument<br>型号 Model number | 流量 Flow rate (m³/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(″) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 251 | 200QJ20-212/16 | 20 | 212 | 22 | 48.2 | 2 | 3×16 |
| 252 | 200QJ20-226/17 | | 226 | 25 | 54.5 | | 3×16 |
| 253 | 200QJ20-243/18 | | 243 | 25 | 54.5 | | 3×16 |
| 254 | 200QJ20-252/19 | | 252 | 25 | 54.5 | | 3×16 |
| 255 | 200QJ20-270/20 | | 270 | 30 | 65.4 | | 3×16 |
| 256 | 200QJ20-283/21 | | 283 | 30 | 65.4 | | 3×25 |
| 257 | 200QJ20-297/22 | | 297 | 30 | 65.4 | | 3×25 |
| 258 | 200QJ20-305/23 | | 305 | 30 | 65.4 | | 3×35 |
| 259* | 200QJ20-320/24 | | 320 | 37 | 79.7 | | 3×35 |
| 260* | 200QJ20-338/25 | | 338 | 37 | 79.7 | | 3×35 |
| 261* | 200QJ20-350/26 | | 350 | 37 | 79.7 | | 3×35 |
| 262* | 200QJ20-363/27 | | 363 | 37 | 79.7 | 2.5 | 3×50 |
| 263* | 200QJ20-372/28 | | 372 | 37 | 79.7 | | 3×50 |
| 264* | 200QJ20-385/29 | | 385 | 45 | 96.9 | | 3×50 |
| 265* | 200QJ20-400/30 | | 400 | 45 | 96.9 | | 3×50 |
| 266* | 200QJ20-413/31 | | 413 | 45 | 96.9 | | 3×70 |
| 267* | 200QJ20-425/32 | | 425 | 45 | 96.9 | | 3×70 |
| 268* | 200QJ20-437/33 | | 437 | 45 | 96.9 | | 3×70 |
| 269* | 200QJ20-450/34 | | 450 | 45 | 96.9 | | 3×70 |
| 270* | 200QJ20-465/35 | | 465 | 55 | 117.0 | | 3×70 |
| 271* | 200QJ20-478/36 | | 478 | 55 | 117.0 | | 3×70 |
| 272* | 200QJ20-490/37 | | 490 | 55 | 117.0 | | 3×70 |
| 273 | 200QJ32-26/2 | 32 | 26 | 4 | 10.1 | | 3×2.5 |
| 274 | 200QJ32-39/3 | | 39 | 5.5 | 13.6 | | 3×4 |
| 275 | 200QJ32-52/4 | | 52 | 7.5 | 18.0 | | 3×4 |
| 276 | 200QJ32-65/5 | | 65 | 9.2 | 25.8 | | 3×6 |
| 277 | 200QJ32-78/6 | | 78 | 11 | 25.8 | | 3×6 |
| 278 | 200QJ32-91/7 | | 91 | 13 | 29.8 | | 3×6 |
| 279 | 200QJ32-104/8 | | 117 | 15 | 33.9 | | 3×6 |
| 280 | 200QJ32-117/9 | | 156 | 18.5 | 41.6 | | 3×10 |
| 281 | 200QJ32-130/10 | | 130 | 18.5 | 41.6 | | 3×10 |
| 282 | 200QJ32-143/11 | | 143 | 22 | 48.2 | | 3×10 |
| 283 | 200QJ32-156/12 | | 117 | 25 | 54.5 | | 3×10 |
| 284 | 200QJ32-169/13 | | 169 | 30 | 65.4 | | 3×16 |
| 285 | 200QJ32-182/14 | | 182 | 30 | 65.4 | | 3×16 |
| 286 | 200QJ32-195/15 | | 195 | 30 | 65.4 | | 3×16 |
| 287 | 200QJ32-208/16 | | 208 | 37 | 79.7 | | 3×25 |
| 288 | 200QJ32-221/17 | | 104 | 37 | 79.7 | | 3×25 |
| 289 | 200QJ32-234/18 | | 234 | 37 | 79.7 | | 3×25 |
| 290 | 200QJ32-247/19 | | 247 | 37 | 79.7 | | 3×25 |
| 291 | 200QJ32-260/20 | | 260 | 45 | 96.9 | | 3×35 |
| 292* | 200QJ32-273/21 | | 273 | 45 | 96.9 | | 3×35 |
| 293* | 200QJ32-286/22 | | 286 | 45 | 96.9 | | 3×35 |
| 294* | 200QJ32-299/23 | | 299 | 55 | 117.0 | | 3×50 |
| 295* | 200QJ32-312/24 | | 312 | 55 | 117.0 | | 3×50 |
| 296 | 200QJ40-26/2 | 40 | 26 | 5.5 | 13.6 | | 3×4 |
| 297 | 200QJ40-39/3 | | 39 | 7.5 | 18 | | 3×4 |
| 298 | 200QJ40-52/4 | | 52 | 9.2 | 21.7 | | 3×6 |
| 299 | 200QJ40-65/5 | | 65 | 11 | 25.8 | | 3×6 |
| 300 | 200QJ40-78/6 | | 78 | 15 | 33.9 | | 3×6 |

| 序号 Serial number | 项目 Item 参数 Argument 型号 Model number | 流量 Flow rate (m³/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(″) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 301 | 200QJ40-91/7 | 40 | 91 | 18.5 | 41.6 | 2.5 | 3×6 |
| 302 | 200QJ40-104/8 | | 104 | 22 | 48.2 | | 3×10 |
| 303 | 200QJ40-117/9 | | 117 | 22 | 48.2 | | 3×10 |
| 304 | 200QJ40-130/10 | | 130 | 25 | 54.5 | | 3×10 |
| 305 | 200QJ40-143/11 | | 143 | 25 | 54.5 | | 3×10 |
| 306 | 200QJ40-156/12 | | 156 | 30 | 65.4 | | 3×16 |
| 307 | 200QJ40-169/13 | | 169 | 30 | 65.4 | | 3×25 |
| 308 | 200QJ40-182/14 | | 182 | 37 | 79.7 | | 3×25 |
| 309 | 200QJ40-195/15 | | 195 | 37 | 79.7 | | 3×35 |
| 310* | 200QJ40-208/16 | | 208 | 37 | 79.7 | | 3×35 |
| 311* | 200QJ40-221/17 | | 221 | 45 | 96.9 | 3 | 3×35 |
| 312* | 200QJ40-234/18 | | 234 | 45 | 96.9 | | 3×50 |
| 313* | 200QJ40-247/19 | | 247 | 45 | 96.9 | | 3×50 |
| 314* | 200QJ40-260/20 | | 260 | 55 | 117.0 | | 3×50 |
| 315* | 200QJ40-273/21 | | 273 | 55 | 117.0 | | 3×2.5 |
| 316 | 200QJ50-13/1 | 50 | 13 | 4 | 10.1 | | 3×4 |
| 317 | 200QJ50-26/2 | | 26 | 5.5 | 13.6 | | 3×4 |
| 318 | 200QJ50-39/3 | | 39 | 9.2 | 21.7 | | 3×6 |
| 319 | 200QJ50-52/4 | | 52 | 11 | 25.8 | | 3×6 |
| 320 | 200QJ50-65/5 | | 65 | 15 | 33.9 | | 3×6 |
| 321 | 200QJ50-78/6 | | 78 | 18.5 | 41.6 | | 3×10 |
| 322 | 200QJ50-91/7 | | 91 | 22 | 48.2 | | 3×10 |
| 323 | 200QJ50-104/8 | | 104 | 25 | 54.5 | | 3×16 |
| 324 | 200QJ50-117/9 | | 117 | 30 | 65.4 | | 3×16 |
| 325 | 200QJ50-130/10 | | 130 | 30 | 65.4 | | 3×16 |
| 326 | 200QJ50-143/11 | | 143 | 30 | 65.4 | | 3×16 |
| 327 | 200QJ50-156/12 | | 156 | 37 | 79.7 | | 3×25 |
| 328 | 200QJ50-169/13 | | 169 | 37 | 79.7 | | 3×25 |
| 329 | 200QJ50-182/14 | | 182 | 45 | 96.9 | | 3×25 |
| 330 | 200QJ50-195/15 | | 195 | 45 | 96.9 | | 3×25 |
| 331* | 200QJ50-208/16 | | 208 | 55 | 117.0 | | 3×35 |
| 332* | 200QJ50-221/17 | | 221 | 55 | 117.0 | | 3×50 |
| 333 | 200QJ63-12/1 | 63 | 12 | 4 | 10.1 | | 3×2.5 |
| 334 | 200QJ63-24/2 | | 24 | 7.5 | 18.0 | | 3×4 |
| 335 | 200QJ63-36/3 | | 36 | 11 | 25.8 | | 3×6 |
| 336 | 200QJ63-48/4 | | 48 | 15 | 33.9 | | 3×6 |
| 337 | 200QJ63-60/5 | | 60 | 18.5 | 41.6 | | 3×6 |
| 338 | 200QJ63-72/6 | | 72 | 22 | 48.2 | | 3×10 |
| 339 | 200QJ63-84/7 | | 84 | 25 | 54.5 | | 3×10 |
| 340 | 200QJ63-96/8 | | 96 | 30 | 65.4 | | 3×16 |
| 341 | 200QJ63-105/5 | | 105 | 30 | 65.4 | | 3×16 |
| 342 | 200QJ63-126/6 | | 126 | 37 | 79.7 | | 3×16 |
| 343 | 200QJ63-147/7 | | 147 | 45 | 96.9 | | 3×25 |
| 344* | 200QJ63-168/8 | | 168 | 55 | 117.0 | | 3×50 |
| 345 | 200QJ80-18/1 | 80 | 18 | 7.5 | 18 | 4 | 3×4 |
| 346 | 200QJ80-36/2 | | 36 | 13 | 29.8 | | 3×6 |
| 347 | 200QJ80-54/3 | | 54 | 18.5 | 41.6 | | 3×10 |
| 348 | 200QJ80-72/4 | | 72 | 25 | 54.5 | | 3×10 |
| 349 | 200QJ80-90/5 | | 90 | 37 | 79.7 | | 3×16 |
| 350 | 200QJ80-108/6 | | 108 | .7 | 79.78 | | 3×16 |

| 序号 Serial number | 项目 Item 参数 Argument 型号 Model number | 流量 Flow rate (m³/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(″) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 351 | 200QJ80-126/7 | 80 | 126 | 45 | 96.9 | 4 | 3×25 |
| 352 | 200QJ80-144/8 | | 144 | 55 | 117 | | 3×25 |
| 353 | 200QJ80-11/1 | | 11 | 4 | 10.1 | | 3×2.5 |
| 354 | 200QJ80-22/2 | | 22 | 7.5 | 18 | | 3×4 |
| 355 | 200QJ80-33/3 | | 33 | 11 | 25.8 | | 3×6 |
| 356 | 200QJ80-44/4 | | 44 | 15 | 33.9 | | 3×6 |
| 357 | 200QJ80-55/5 | | 55 | 18.5 | 41.6 | | 3×10 |
| 358 | 200QJ80-66/6 | | 66 | 22 | 48.2 | | 3×10 |
| 359 | 200QJ80-77/7 | | 77 | 30 | 65.4 | | 3×16 |
| 360 | 200QJ80-88/8 | | 88 | 30 | 65.4 | | 3×16 |
| 361 | 200QJ80-99/9 | | 99 | 37 | 79.7 | | 3×16 |
| 362 | 200QJ80-110/10 | | 110 | 37 | 79.7 | | 3×16 |
| 363 | 200QJ80-121/11 | | 120 | 45 | 96.9 | | 3×16 |
| 364 | 250QJ32-138/6 | 32 | 138 | 22 | 47.9 | 2.5 | ,3×10 |
| 365 | 250QJ32-161/7 | | 161 | 25 | 53.8 | | 3×10 |
| 366 | 250QJ32-184/8 | | 184 | 30 | 64.2 | | 3×16 |
| 367 | 250QJ32-207/9 | | 207 | 37 | 77.8 | | 3×16 |
| 368 | 250QJ32-230/10 | | 230 | 37 | 77.8 | | 3×25 |
| 369 | 250QJ32-253/11 | | 253 | 45 | 94.1 | | 3×35 |
| 370 | 250QJ32-276/12 | | 276 | 45 | 94.1 | | 3×35 |
| 371* | 250QJ32-300/13 | | 300 | 55 | 114.3 | 3 | 3×50 |
| 372* | 250QJ32-322/14 | | 322 | 55 | 114.3 | | 3×50 |
| 373* | 250QJ32-345/15 | | 345 | 63 | 130.9 | | 3×50 |
| 374* | 250QJ32-368/16 | | 368 | 63 | 130.9 | | 3×70 |
| 375* | 250QJ32-391/17 | | 391 | 63 | 130.9 | | 3×70 |
| 376* | 250QJ32-414/18 | | 414 | 75 | 152.3 | | 3×95 |
| 377* | 250QJ32-437/19 | | 437 | 75 | 152.3 | | 3×95 |
| 378* | 250QJ32-460/20 | | 460 | 75 | 152.3 | | 3×120 |
| 379* | 250QJ32-483/21 | | 483 | 90 | 182.8 | | 3×120 |
| 380* | 250QJ32-506/22 | | 510 | 90 | 182.8 | | 3×150 |
| 381* | 250QJ32-529/23 | | 529 | 110 | 223.4 | | 3×185 |
| 382* | 250QJ32-552/24 | | 552 | 110 | 223.4 | | 3×185 |
| 383 | 250QJ50-20/1 | 50 | 20 | 5.5 | 13.6 | | 3×4 |
| 384 | 250QJ50-40/2 | | 40 | 9.2 | 21.7 | | 3×4 |
| 385 | 250QJ50-60/3 | | 60 | 13 | 29.8 | | 3×6 |
| 386 | 250QJ50-80/4 | | 80 | 18.5 | 41.6 | | 3×6 |
| 387 | 250QJ50-100/5 | | 100 | 22 | 47.9 | | 3×10 |
| 388 | 250QJ50-120/6 | | 120 | 25 | 53.8 | | 3×16 |
| 389 | 250QJ50-140/7 | | 140 | 37 | 77.8 | | 3×16 |
| 390 | 250QJ50-160/8 | | 160 | 37 | 77.8 | | 3×16 |
| 391 | 250QJ50-180/9 | | 180 | 45 | 94.1 | | 3×25 |
| 392 | 250QJ50-200/10 | | 200 | 45 | 94.1 | | 3×25 |
| 393* | 250QJ50-220/11 | | 220 | 55G | 114.3 | | 3×50 |
| 394* | 250QJ50-240/12 | | 240 | 55G | 114.3 | | 3×50 |
| 395* | 250QJ50-260/13 | | 260 | 63G | 130.9 | | 3×50 |
| 396* | 250QJ50-280/14 | | 280 | 63G | 130.9 | | 3×50 |
| 397* | 250QJ50-300/15 | | 300 | 63G | 130.9 | | 3×50 |
| 398* | 250QJ50-320/16 | | 320 | 75G | 152.3 | | 3×70 |
| 399* | 250QJ50-340/17 | | 340 | 90G | 182.3 | | 3×70 |
| 400* | 250QJ50-360/18 | | 360 | 90G | 182.8 | | 3×95 |

| 序号 Serial number | 项目 Item<br>参数 Argument<br>型号 Model number | 流量 Flow rate (m³/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(″) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 401* | 250QJ50-380/19 | 50 | 380 | 110 | 223.4 | 3 | 3×120 |
| 402* | 250QJ50-400/20 | | 400 | 110 | 223.4 | | 3×120 |
| 403 | 250QJ80-20/1 | 80 | 20 | 7.5 | 18 | 4 | 3×4 |
| 404 | 250QJ80-40/2 | | 40 | 15 | 33.9 | | 3×6 |
| 405 | 250QJ80-60/3 | | 60 | 22 | 47.9 | | 3×10 |
| 406 | 250QJ80-80/4 | | 80 | 30 | 64.2 | | 3×16 |
| 407 | 250QJ80-100/5 | | 100 | 37 | 77.8 | | 3×16 |
| 408 | 250QJ80-120/6 | | 120 | 45 | 94.1 | | 3×16 |
| 409 | 250QJ80-140/7 | | 140 | 55 | 114.3 | | 3×25 |
| 410 | 250QJ80-160/8 | | 160 | 55 | 114.3 | | 3×25 |
| 411 | 250QJ80-180/9 | | 180 | 63 | 130.9 | | 3×35 |
| 412 | 250QJ80-200/10 | | 200 | 75 | 152.3 | | 3×50 |
| 413* | 250QJ80-220/11 | | 220 | 90 | 182.8 | | 3×50 |
| 414* | 250QJ80-240/12 | | 240 | 90 | 182.8 | | 3×50 |
| 415* | 250QJ80-260/13 | | 260 | 90 | 182.8 | | 3×70 |
| 416* | 250QJ80-280/14 | | 280 | 110 | 223.4 | | 3×95 |
| 417 | 250QJ100-18/1 | 100 | 18 | 7.5 | 18 | | 3×4 |
| 418 | 250QJ100-36/2 | | 36 | 15 | 33.9 | | 3×6 |
| 419 | 250QJ100-54/3 | | 54 | 25 | 53.8 | | 3×16 |
| 420 | 250QJ100-72/4 | | 72 | 30 | 64.2 | | 3×16 |
| 421 | 250QJ100-90/5 | | 90 | 45 | 94.1 | | 3×25 |
| 422 | 250QJ100-108/6 | | 108 | 45 | 94.1 | | 3×25 |
| 423 | 250QJ100-126/7 | | 126 | 55 | 114.3 | | 3×25 |
| 424 | 250QJ100-144/8 | | 144 | 63 | 130.9 | | 3×35 |
| 425 | 250QJ100-162/9 | | 162 | 75 | 152.3 | | 3×35 |
| 426* | 250QJ100-180/10 | | 180 | 90 | 182.8 | | 3×50 |
| 427* | 250QJ100-198/11 | | 198 | 90 | 182.8 | | 3×50 |
| 428* | 250QJ100-216/12 | | 216 | 100 | 223.4 | | 3×70 |
| 429 | 250QJ125-16/1 | 125 | 16 | 9.2 | 21.7 | 5 | 3×4 |
| 430 | 250QJ125-32/2 | | 32 | 18.5 | 41.6 | | 3×6 |
| 431 | 250QJ125-48/3 | | 48 | 25 | 53.8 | | 3×16 |
| 432 | 250QJ125-64/4 | | 64 | 37 | 77.8 | | 3×16 |
| 433 | 250QJ125-80/5 | | 80 | 45 | 94.1 | | 3×16 |
| 434 | 250QJ125-96/6 | | 96 | 55 | 114.3 | | 3×25 |
| 435 | 250QJ125-112/7 | | 162 | 63 | 130.9 | | 3×35 |
| 436 | 250QJ125-128/8 | | 128 | 75 | 152.3 | | 3×35 |
| 437* | 250QJ125-144/9 | | 144 | 90 | 182.8 | | 3×35 |
| 438* | 250QJ125-160/10 | | 160 | 90 | 182.8 | | 3×50 |
| 439* | 250QJ125-176/11 | | 176 | 110 | 223.4 | | 3×70 |
| 440 | 250QJ140-15/1 | 140 | 15 | 9.2 | 21.7 | | 3×6 |
| 441 | 250QJ140-30/2 | | 30 | 18.5 | 41.6 | | 3×6 |
| 442 | 250QJ140-45/3 | | 45 | 30 | 64.2 | | 3×16 |
| 443 | 250QJ140-60/4 | | 60 | 37 | 77.8 | | 3×16 |
| 444 | 250QJ140-75/5 | | 75 | 45 | 94.1 | | 3×16 |
| 445 | 250QJ140-90/6 | | 90 | 55 | 114.3 | | 3×25 |
| 446 | 250QJ140-105/7 | | 105 | 63 | 130.9 | | 3×35 |
| 447 | 250QJ140-120/8 | | 120 | 75 | 152.3 | | 3×35 |
| 448* | 250QJ140-135/9 | | 135 | 90 | 182.8 | | 3×50 |
| 449* | 250QJ140-150/10 | | 150 | 90 | 182.8 | | 3×50 |
| 450* | 250QJ140-165/11 | | 165 | 100 | 223.4 | | 3×50 |

| 序号 Serial number | 项目 Item<br>参数 Argument<br>型号 Model number | 流量 Flow rate (m³/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(″) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 451* | 250QJ140-180/12 | 140 | 180 | 110 | 223.4 | 5 | 3×70 |
| 452 | 250QJ150-20/1 | 150 | 20 | 15 | 33.9 | | 3×6 |
| 453 | 250QJ150-40/2 | | 40 | 30 | 64.2 | | 3×16 |
| 454 | 250QJ150-60/3 | | 60 | 45 | 94.1 | | 3×25 |
| 455 | 250QJ150-80/4 | | 80 | 55 | 114.3 | | 3×25 |
| 456 | 250QJ150-100/5 | | 100 | 63 | 130.9 | | 3×35 |
| 457 | 250QJ150-120/6 | | 120 | 75 | 152.3 | | 3×35 |
| 458* | 250QJ150-140/7 | | 140 | 90 | 182.8 | | 3×50 |
| 459* | 250QJ150-160/8 | | 160 | 110 | 223.4 | | 3×50 |
| 460 | 250QJ160-15/1 | 160 | 15 | 11 | 33.9 | | 3×6 |
| 461 | 250QJ160-30/2 | | 30 | 22 | 64.2 | | 3×16 |
| 462 | 250QJ160-45/3 | | 45 | 37 | 77.8 | | 3×25 |
| 463 | 250QJ160-60/4 | | 60 | 45 | 94.1 | | 3×25 |
| 464 | 250QJ160-75/5 | | 75 | 55 | 114.3 | | 3×25 |
| 465 | 250QJ160-18/1 | | 18 | 13 | 29.8 | | 3×6 |
| 466 | 250QJ160-36/2 | | 36 | 25 | 53.8 | | 3×16 |
| 469 | 250QJ160-54/3 | | 54 | 37 | 77.8 | | 3×16 |
| 468 | 250QJ160-72/4 | | 72 | 55 | 114.3 | | 3×25 |
| 467 | 250QJ160-90/5 | | 90 | 63 | 130.9 | | 3×35 |
| 470 | 300QJ140-21/1 | 140 | 21 | 13 | 29.8 | | 3×6 |
| 471 | 300QJ140-42/2 | | 42 | 25 | 53.8 | | 3×16 |
| 472 | 300QJ140-63/3 | | 63 | 37 | 77.8 | | 3×16 |
| 473 | 300QJ140-84/4 | | 84 | 55 | 114.3 | | 3×25 |
| 474* | 300QJ140-105/5 | | 105 | 63 | 130.9 | | 3×35 |
| 475* | 300QJ140-126/6 | | 126 | 75 | 152.3 | | 3×35 |
| 476* | 300QJ140-147/7 | | 147 | 90 | 182.8 | | 3×50 |
| 477* | 300QJ140-168/8 | | 168 | 110 | 220.8 | | 3×50 |
| 478* | 300QJ140-189/9 | | 189 | 110 | 220.8 | | 3×70 |
| 479* | 300QJ140-210/10 | | 210 | 125 | 249.5 | | 3×95 |
| 480* | 300QJ140-231/11 | | 231 | 140 | 277.8 | | 3×95 |
| 481 | 300QJ160-25/1 | 160 | 25 | 18.5 | 40.8 | | 3×16 |
| 482 | 300QJ160-50/2 | | 50 | 37 | 77.8 | | 3×16 |
| 483 | 300QJ160-30/1 | | 30 | 22 | 47.9 | | 3×16 |
| 484 | 300QJ160-60/2 | | 60 | 45 | 94.1 | | 3×25 |
| 485 | 300QJ160-90/3 | | 90 | 63 | 130.9 | | 3×35 |
| 486 | 300QJ200-15/1 | 200 | 15 | 13 | 29.8 | | 3×6 |
| 487 | 300QJ200-20/1 | | 20 | 18.5 | 40.8 | | 3×6 |
| 488 | 300QJ200-30/2 | | 30 | 25 | 53.8 | | 3×16 |
| 489 | 300QJ200-40/2 | | 40 | 37 | 77.8 | | 3×16 |
| 490 | 300QJ200-60/3 | | 60 | 55 | 114.3 | | 3×25 |
| 491* | 300QJ200-80/4 | | 80 | 75 | 152.3 | | 3×35 |
| 492* | 300QJ200-100/5 | | 100 | 90 | 182.8 | | 3×50 |
| 493* | 300QJ200-120/6 | | 120 | 110 | 220.8 | | 3×50 |
| 494* | 300QJ200-140/7 | | 140 | 125 | 249.5 | | 3×70 |
| 495* | 300QJ200-160/8 | | 160 | 140 | 277.8 | | 3×95 |
| 496 | 300QJ210-25/1 | 210 | 25 | 25 | 53.8 | 6 | 3×16 |
| 497 | 300QJ210-50/2 | | 50 | 45 | 94.1 | | 3×25 |
| 498 | 300QJ230-20/1 | 230 | 20 | 22 | 47.9 | | 3×6 |
| 499 | 300QJ230-40/2 | | 40 | 45 | 94.1 | | 3×16 |
| 500* | 300QJ230-60/3 | | 60 | 75 | 152.3 | | 3×25 |

| 序号 Serial number | 项目 Item<br>参数 Argument<br>型号 Model number | 流量 Flow rate (m³/h) | 扬程 Head (M) | 电机功率 Motor power(KW) | 额定电流(A) Rated current | 出水管直径 Outlet pipe diameter(″) | 推荐配套电缆规格(铜芯 mm²) Recommended cable specifications (copper core mm²) |
|---|---|---|---|---|---|---|---|
| 501* | 300QJ230-80/4 | 230 | 80 | 90 | 182.8 | 6 | 3×35 |
| 502 | 300QJ250-15/1 | 250 | 15 | 18.5 | 40.8 | | 3×6 |
| 503 | 300QJ250-30/2 | | 30 | 37 | 77.8 | | 3×16 |
| 504 | 300QJ250-24/1 | | 24 | 30 | 64.2 | | 3×16 |
| 505 | 300QJ250-48/2 | | 48 | 55 | 114.3 | | 3×25 |
| 506* | 300QJ250-72/3 | | 72 | 90 | 182.8 | | 3×35 |
| 507 | 300QJ320-28/1 | 320 | 28 | 45 | 94.1 | 8 | 3×16 |
| 508* | 300QJ320-56/2 | | 56 | 75 | 152.3 | | 3×35 |
| 509* | 300QJ320-84/3 | | 84 | 125 | 249.5 | | 3×50 |
| 510 | 350QJ250-25/1 | 250 | 25 | 30 | 64.2 | 6 | 3×25 |
| 511* | 350QJ250-50/2 | | 50 | 63 | 130.9 | | 3×35 |
| 512* | 350QJ250-75/3 | | 75 | 90 | 182.8 | | 3×50 |
| 513* | 350QJ250-100/4 | | 100 | 125 | 249.5 | | 3×50 |
| 514* | 350QJ250-125/5 | | 125 | 160 | 317.5 | | 3×70 |
| 515 | 350QJ320-30/1 | 320 | 30 | 45 | 94.1 | 8 | 3×25 |
| 516* | 350QJ320-60/2 | | 60 | 90 | 182.8 | | 3×50 |
| 517* | 350QJ320-90/3 | | 90 | 140 | 277.8 | | 3×70 |
| 518* | 350QJ320-120/4 | | 120 | 160 | 317.5 | | 3×70 |
| 519 | 350QJ320-20/1 | | 20 | 30 | 64.2 | | 3×16 |
| 520* | 350QJ320-40/2 | | 40 | 63 | 130.9 | | 3×35 |
| 521* | 400QJ400-50/1 | 400 | 50 | 90 | 182.8 | | 3×50 |
| 522 | 400QJ500-20/1 | 500 | 20 | 45 | 94.1 | | 3×16 |
| 523* | 400QJ500-40/1 | | 40 | 90 | 182.8 | | 3×50 |
| 524* | 400QJ500-80/2 | | 80 | 185 | 367.1 | | 3×120 |

**注：**(1)控制开关型号中DZ15-40为空气开关， $QJO_3$ -I为自耦减压启动器，$JJ_1$ B-I为自耦减压启动保护柜。

(2)控制开关的额定电流全部按照对应的电机额定电流整定。

(3)配套电缆型号为YC重型橡套电缆。

(4)在用户电源允许时,18.5KW、22KW、25KW可采用DBZ型起动保护柜。

(5)技术参数表中配套电机功率数值后加G为增加“电机承载装置”，提高电泵的运行可靠性和使用寿命。

(6)特殊订货按用户和企业合同要求特殊加工制作。

**Note:** (1) In the control switch type, DZ15-40 is an air switch, $QJO_3$-I is an auto decompression starter, and $JJ_1$B-I is an auto decompression start protection cabinet.

(2) The rated current of the control switch is all set according to the corresponding rated current of the motor.

(3) The supporting cable model is YC heavy rubber sheathed cable.

(4) When the user power supply allows,18.5KW, 22KW, 25KW can be used DBZ type starting protection cabinet.

(5) Add G after the power value of the supporting motor in the technical parameter table to increase the "motor bearing device" and improve the operation reliability and service life of the electric pump.

(6) Special orders according to the user and enterprise contract requirements special processing.

# 二、超高扬程超大流量潜水电泵

## Second, ultra-high head and ultra-large flow submersible pump

| 序号<br>Serial number | 机座号<br>Engine seat number | 流量<br>Flow rate ($m^3$/h) | 扬程<br>Head (m) | 功率范围<br>Power range (KW) | 出水管直径(″)<br>Straight diameter of outlet pipe | 机组最大外径<br>Unit maximum outside diameter (mm) |
|---|---|---|---|---|---|---|
| 1 | 200QJ | 20 | 514~1000 | 63~110 | 2.5 | 190 |
| 2 | | 32 | 322~620 | | 3 | |
| 3 | | 40 | 287~500 | | 3~4 | |
| 4 | | 50 | 234~450 | | | |
| 5 | | 63 | 180~360 | | | |
| 6 | | 80 | 155~300 | | 4~5 | |
| 7 | 250QJ | 32 | 575~1000 | 125~180 | 3 | 240 |
| 8 | | 50 | 420~660 | | 3~4 | |
| 9 | | 80 | 300~432 | | 4~5 | |
| 10 | | 100 | 234~338 | | | |
| 11 | | 125 | 192~270 | | 5 | |
| 12 | | 140 | 195~280 | | | |
| 13 | | 150 | 180~260 | | | |
| 14 | 300QJ | 140 | 252~300 | 160~220 | | 285 |
| 15 | | 200 | 180~240 | | | |
| 16 | | 320 | 112~140 | | 8 | |
| 17 | 350QJ | 250 | 150~180 | 160~220 | 6 | 335 |
| 18 | | 320 | 120~150 | | 8 | |
| 19 | 400QJ | 400 | 60~100 | 90~220 | 10 | 363 |
| 20 | 450QJ | 750 | 11~40 | 45~140 | 10 | 440 |

注:(1)控制开关型号可选用相应功率的DZ15-40空气开关、QJ系列自耦减压启动器(柜)、JJ1B系列自耦减压启动保护柜。

(2)技术参数表中额定电流为380V时的额定电流值，当电源电压为660V时，额定电流为技术参数表中额定电流值除以,控制开关的额定电流全部按照对应的电机额定电流整定。

(3)在用户电源允许时,18.5KW、22KW、25KW可采用KBZ型起动保护柜。

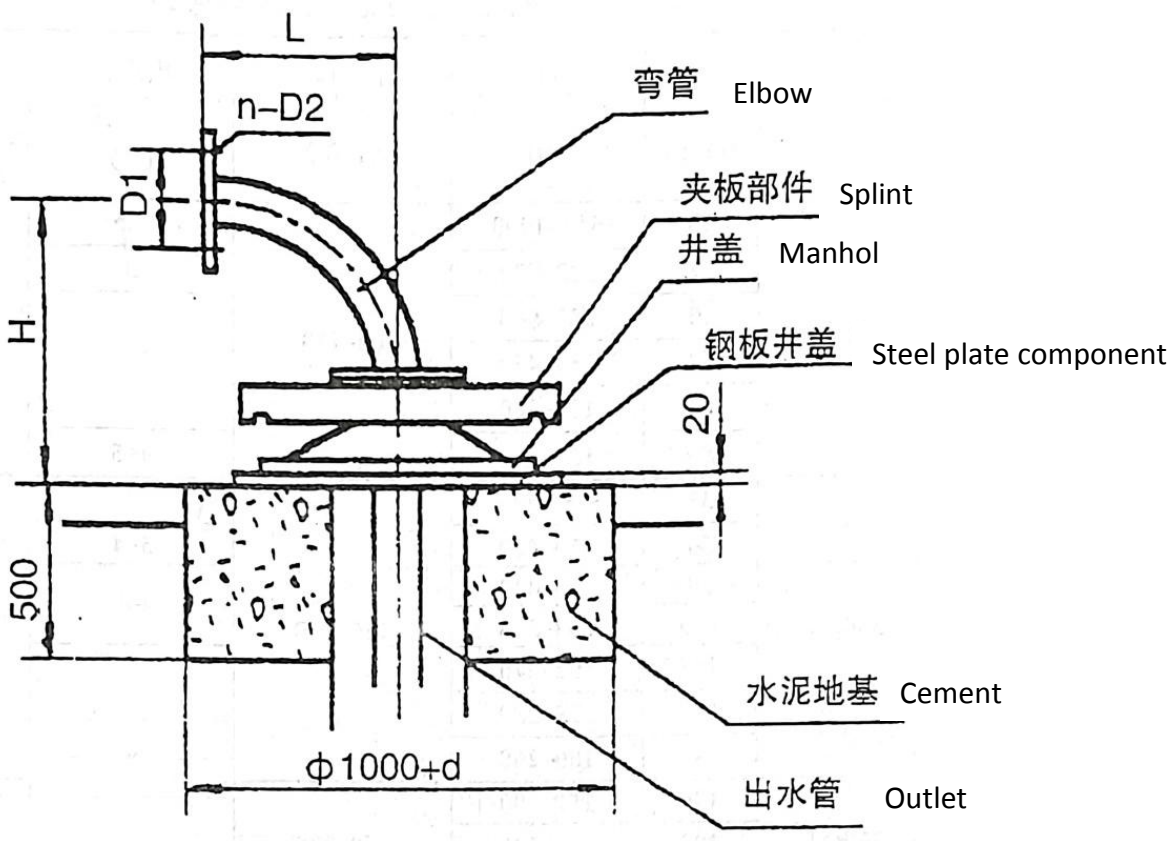
(4)技术参数表中序号后加“*”为增加专利技术ZL01276047.1“可调多级止推轴向力承载装置”，提高电泵的运行可靠性和使用寿命。

Note :(1) The type of control switch can be selected DZ15-40 air switch with corresponding power, QJ series autovacuum starter (cabinet), JJ1B series autovacuum starter protection cabinet.

(2) The rated current value when the rated current in the technical parameter table is 380V, when the power supply voltage is 660V, the rated current is divided by the rated current value in the technical parameter table, and the rated current of the control switch is all set according to the corresponding rated current of the motor.

(3) When the user power supply allows,18.5KW, 22KW, 25KW can use KBZ type starting protection cabinet.

(4) Add "*" after the serial number in the technical parameter table to add the patented technology ZL01276047.1 "adjustable multi-stage thrust axial force bearing device" to improve the operational reliability and service life of the electric pump.




| 出水管直径(〞) Straight diameter of outlet pipe | H (mm) | L (mm) | D1 (mm) | n-D2 | d (mm) | 备注(Remark) |
|---|---|---|---|---|---|---|
| 1.5A | 355 | 159 | 110 | 4-φ18 | 井壁管外径 Outer diameter of wall pipe | 适用于 100QJ3.2、100QJ5、150QJ5 Applicable to 100QJ3.2, 100QJ5, 150QJ5 |
| 2 | 440 | | 145 | | | |
| 2A | 433 | | | | | 适用于 150QJ10、150QJ20 Applicable to 150QJ10, 150QJ20 |
| 2.5 | 440 | | | | | |
| 2.5GG | 407 | | | | | 适用于高扬程 Suitable for high head |
| 2.5A | 435 | | | | | 适用于 150QJ32、150QJ25、175QJ32175QJ40 Applicable to 150QJ32, 150QJ25, 175QJ32175QJ40 |
| 3 | 442 | | 160 | | | |
| 3GG | 407 | | | | | 适用于高扬程 Suitable for high head |
| 4 | 443 | 161 | 180 | 8-φ18 | | |
| 5 | 450 | 171 | 210 | | | |
| 6 | 474 | 177 | 240 | 8-φ23 | | |
| 8 | 547 | 225 | 295 | | | |