

Drain pump Manual/Installation Instructions

Cautions

⚠ (1) PSB-7A is suitable for the lift (200-700) mm, and is recommended to use the lift (400-700) mm; PSB-12A and PSB-12B are suitable for the lift (200-1200) mm, and is recommended to use the lift (700-1200) mm. When the use head is too low, the noise and vibration of the whole machine shall be confirmed by the main engine manufacturer.

⚠ (2) It is recommended to use discharge pipe with inner diameter less than $\Phi 25$. In addition, please make sure that there is no problem matching the system. There shall be no water or air pocket in the discharge pipe, and the shape of water trap shall not be set on the way.

⚠ (3) When the whole machine is matched, please confirm the vibration and noise. If necessary, it is recommended to use anti vibration film and other damping measures.

⚠ (4) Do not disassemble and reassemble the product. After disassembly, parts may be damaged and performance may be reduced.

(5) Please make sure to use it within the specification range specified in the product specification and product drawings.

(6) The performance characteristics specified in the product specifications and product drawings refer to the characteristics after 10 minutes of operation.

(7) If there is no specific indication of the test state, the drain pump is not energized; if there is no special requirement, the test water (condensate) generally uses tap water, and the environment is normal temperature and pressure.

(8) In case of impact such as falling of drainage pump, please confirm whether there is crack or crack on the appearance, and whether the rotation and running sound of drainage pump are normal.

(9) The installation state of the drainage pump is that the motor parts are facing upward and the inclination is within 10° ; the drainage pump operates in the inverted state, which is not within the scope of warranty.

(10) When installing the conductor, do not lift and pull the conductor alone to move, and the force on the conductor is less than 10N.

(11) Please do not apply more than 50N force to the water outlet to avoid possible damage, etc.

(12) When the bearing temperature exceeds 80°C , the durability will decrease. It is recommended that the drainage pump be used in a place with ventilation where the bearing temperature is below 80°C or where the bearing temperature can be reduced to below 80°C .

(13) Please do not cover the motor and place inflammables around it, so as to avoid the high temperature of the coil which may cause the inflammables to burn and the coil to burn.

(14) The water level of drainage pump shall not exceed 23mm. The distance between the bottom sink and the water inlet shall be 8mm or more.

(15) In order to prevent condensation water from passing to the motor through the lead wire, the lead wire must be equipped with a return bend.

(16) When using magnetic materials near the motor, please make sure that the performance of the drainage pump and the performance of the nearby components have not declined before using. (for AC drainage pump, the shortest distance is recommended to be more than 10cm)

(17) Do not contact the motor with water, cleaning agent, solvent, etc.

(18) Prevent impurities or foreign matters from entering the pump, and prevent foreign matters from sticking and blocking the water intake, so as to avoid the decline of drainage performance and even the inability to drain.

(19) When the drain pump is locked, please cut off the power supply and connect the power supply after troubleshooting.

(20) All the characteristics recorded in this record refer to the single product characteristics of the drainage pump, rather than the performance and characteristics of the drainage pump when it is installed in the customer's complete machine state. For the matching and service life of the complete machine system, please confirm it in the main machine factory, and hope to use it after ensuring the safety and appropriateness of the design.

(21) During storage, it shall be avoided to be placed in the range of rising corrosive gas, harmful gas, high temperature and humidity and beyond the storage conditions specified in the specification. The storage period is 6 months, especially for long-term storage, it is hoped to be considered reasonably. In addition, the cut section of electroplated steel plate is easy to rust, which should be paid attention to.

※ The following only applies to DC drain pumps

 (22) **Electronic components are used in DC motor. Do not apply voltage higher than 14V and reverse voltage.**

(23) In order to prevent electrostatic, surge (including noise, high frequency, etc.), please take appropriate measures.