

QJB型潜水搅拌机

QJB Type Submersible Mixer

产品介绍 Product Description

QJB型潜水搅拌机作为水处理工艺中的关键设备之一，在水处理工艺流程中，可实现生化过程中固液二相流和固液气三相流的均质、流动的工艺要求。它由潜水电机、叶轮和安装系统等组成。潜水搅拌机为直联式结构。具有结构紧凑、能耗低、便于维护保养等优点。叶轮经过精铸或冲压成型，精度高、推力大、流线型造型简洁美观，且具有防缠绕功能。该系列产品适用于需要固液搅拌、混合的场所。

QJB type Submersible Mixer, a key equipment used in the water treatment technology, can meet the technological requirement of homogeneity and fluidity of solid-liquid two-phase flow and solid-liquid-gas three-phase flow in the biochemical process. It consists of a submersible motor, an impeller and an installation system. The submersible mixer is a direct coupling structure. It has the advantages of compact structure, low energy consumption and convenient maintenance. The impeller is precision cast or stamped, with high accuracy, large thrust, streamlined shape, simple and beautiful, and has an anti-winding function. This series of products is suitable for places where solid-liquid stirring and mixing are required.

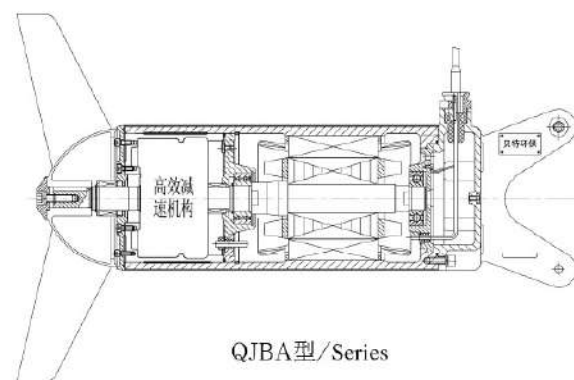


QJBA型潜水搅拌机为节能型产品，采用常规四级电机配套高效一体化减速机结构的动力方案，相比多级电机可大幅减轻电网负担，节能15%以上。

QJBA type submersible mixer is a type of energy saving products, supporting by the conventional four-motor and high-efficiency reducer, compared to Multi-motor can significantly reduce the power of burden, can be saving energy more than 15%.

QJBY型潜水搅拌机为新一代超高效产品，采用自起动永磁电机，异步起动同步运行，结构简单，运行稳定，功率因素高，便于调速运行。电机效率可满足国家标准（GB18613-2012）中一级能效，或国际标准（IEC60034-30）中IE4能效要求。

QJBY type submersible mixer is a new product of ultra high efficiency. The self starting permanent magnet motor is used It is asynchronous start synchronous operation, simple structure, stable operation, high power factor, and easy speed regulation. Motor efficiency can meet 1 class energy efficiency of the national standard (GB18613-2012), or IE4 energy efficiency of



过搅拌达到创建水流作用，有效阻止悬浮物沉降。

The submersible mixers are mainly used for mixing, agitating and making ring flows in the process of municipal and industrial sewage treatment and can also be used for equipment maintenance of the landscape water circulation through agitation, they can achieve the function of creating water flow, improving water quality, increasing oxygen content in the water.

6.3mH值范围：5

The depth of submer

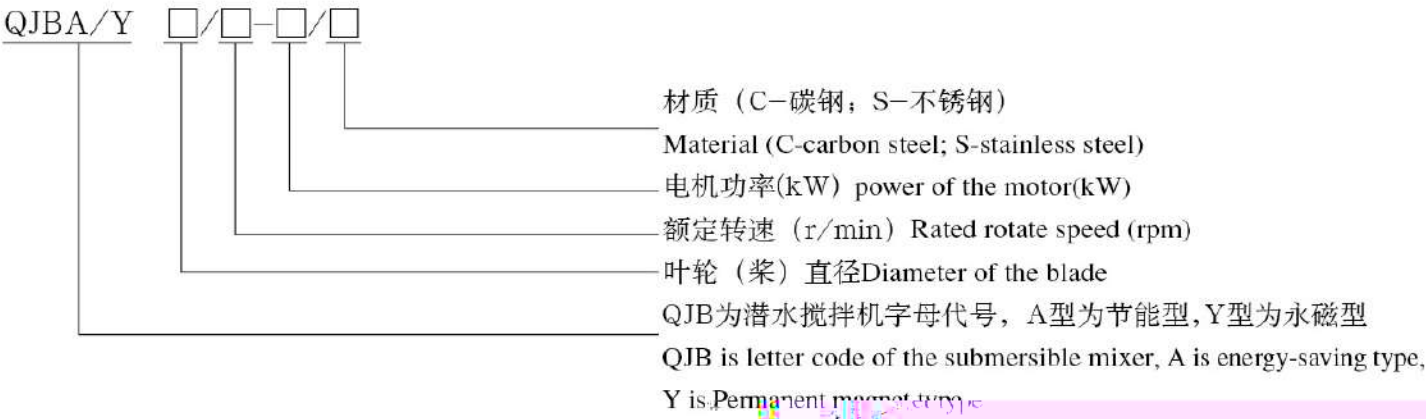
性能参数 Performance Parameters

潜水搅拌机在额定电压为380伏,频率为50Hz的性能参数如下表:

The performane paramfers of the submersible mixer are shown in the following table with the rated voltage of 380v and the frequency of 50Hz:

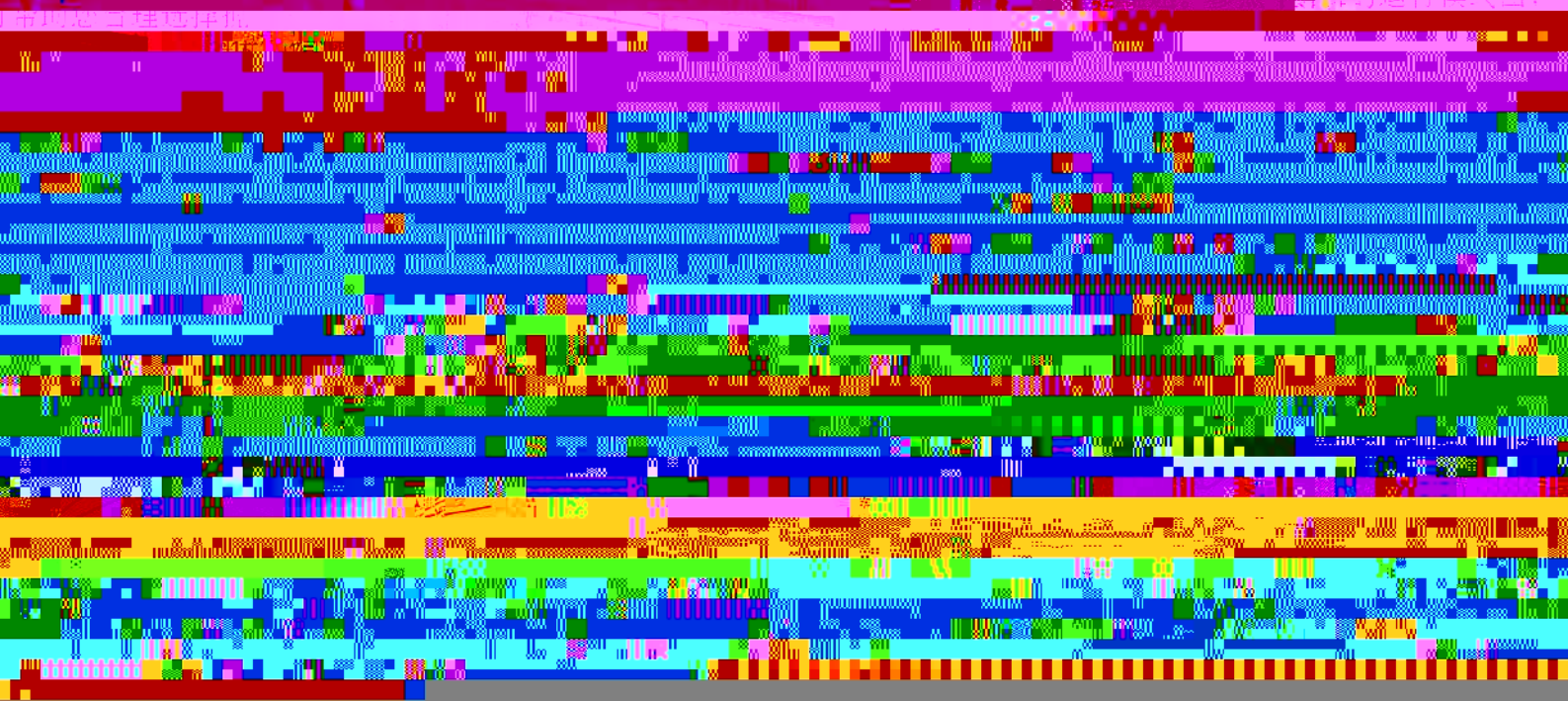
型号Model	电机功率 (kW/P) Motor power	额定电流 (A) Rated current	叶轮转速 (r/min) rpm of impeller	叶轮直径 (mm) Diameter of impeller	推力 (N) Thrust	重量 (Kg) Weight
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型号表示方式 Model of Model Denotation



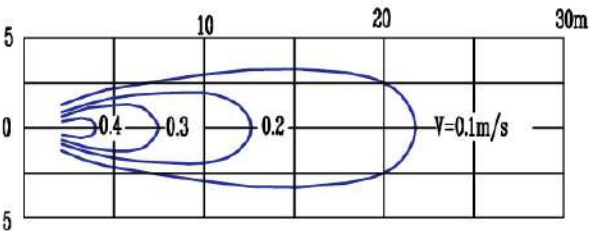
潜水搅拌机运行模式 Operating Modes of Submersible Mixer

潜水搅拌机的安装定位对其搅拌效果有很大的影响，如果安装位置不当，会导致搅拌机无法正常工作。我们建议用户按照专业设计人员的要求去做，要充分考虑搅拌机的安装位置以及搅拌机的水流反射到构筑物后对构筑物造成的影响。

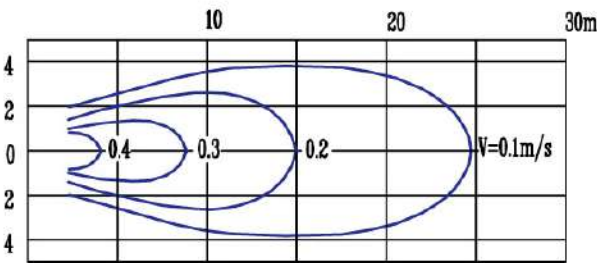


潜水搅拌机流场图 Diagrams of the Flow Field Submersible Mixer

该流速场是在清水中边界流速 $V=0.1\text{m/s}$
This flow velocity fields are located in the clear water with the boundary water flow velocity of $V=0.1\text{m/s}$



QJB220/960-0.37 QJB260/740-0.85



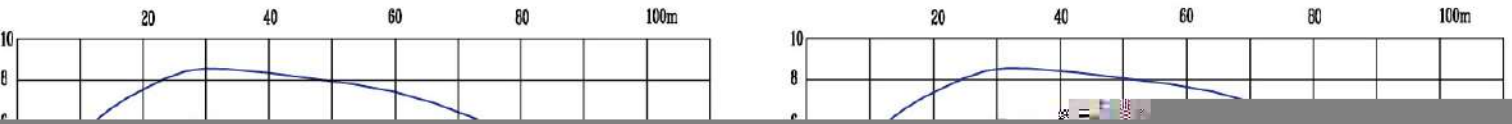
QJB260/960-1.5

潜水搅拌机流场图

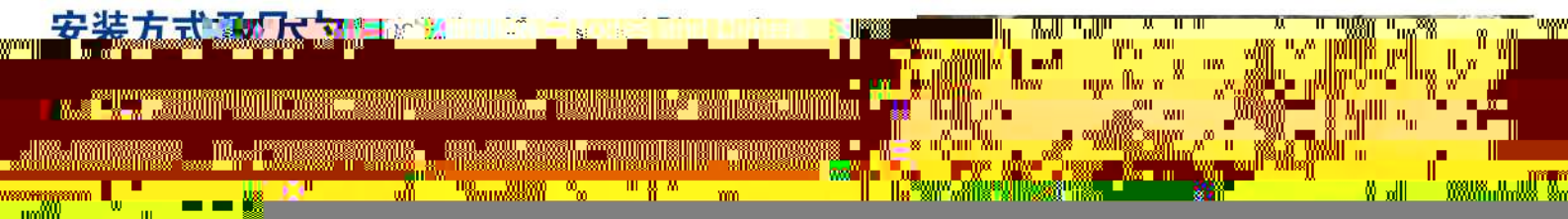
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安装方式第六



- 注： 1、潜水搅拌机的专用安装系统，可在无需排出池中污水的情况下，快速安装和拆卸潜水搅拌机；
- 2、安装系统I只适用于池深<3m，机型为QJB220/960-0.37、QJB220/1400-0.55、QJB260/740-0.85和

QJB260/960-1.5可在水平方向和

9. For installation systems II and III, the guide rod can rotate around the axial line of the guide rod along the horizontal

潜水搅拌机安装示意图 Installation diagram of Submersible Mixer

