



ZBX 型周边传动吸泥机 TYPE-ZBX SEDIMENT SUCKER BY PERIPHERAL TRANSMISSION

<http://www.jdpyhj.com>

用途 Applications

周边传动吸泥机是给排水工程中使用较多的设备之一，主要用于大型辐流式初沉池与二沉池的排泥，特别适用于比重较轻的生物污泥的排除，对水流扰动极小，排泥效果好。更有泥量调节阀调节出泥量，适应各种条件下的正常出泥，也可采用虹吸排泥来控制出泥量。

The Sucker is one of the usually used equipments in water supply and sewage engineering. It is mainly used for sediment discharge in large scale radial flow sedimentation tanks for both primary sedimentation tanks and second sedimentation tanks, and particularly applied to the removal of organisms sediment with lower density, it creates little stir in the water flow and can discharge the sediment more effectively. There are regulating valves to control the sediment volume, and they can adapt to normal discharges adjust to changes under all conditions, the sediment volume can also be controlled by siphonage.

工作原理及构造 Working Principle and Strucure

驱动装置推动工作桥沿池平面旋转，工作桥带动排泥槽旋转，固定于泥槽上的吸泥管在静水压力的作用下吸取池底的污泥，经过泥量调节阀调节，进入排泥槽，排泥槽中的污泥流入中心泥缸中，排出池外；也可通过虹吸作用将泥从排泥槽吸入中心泥缸中。驱动装置可设扭矩保护装置，工作更加安全。

特点 Features

- 1.主梁除传统碳钢制作外，还可采用铝合金或不锈钢制作，适用范围广，装饰效果好。
- 2.传动装置进行了优化设计，效率更高，外形更趋美观，可按照用户要求配进口减速机或轴装式减速机，美观耐用。
- 3.ZBXH型吸泥机水下无密封件及易损件，维护简单。

1. The main beam can be made of not only traditional carbon steel, but also aluminum alloy or stainless steel; these beams have a wider range of use, and embody a better decorating effect.
2. With optimal design, the transmission device has a higher efficiency, a more esthetics appearance, and can adopt an imported decelerator or a shaft installing one according to the requirements of customers, thus becomes much more attractive and durable.
3. There are neither sealing parts nor vulnerable ones underwater in Type ZBXH Sucker, which makes the maintenance more convenient.

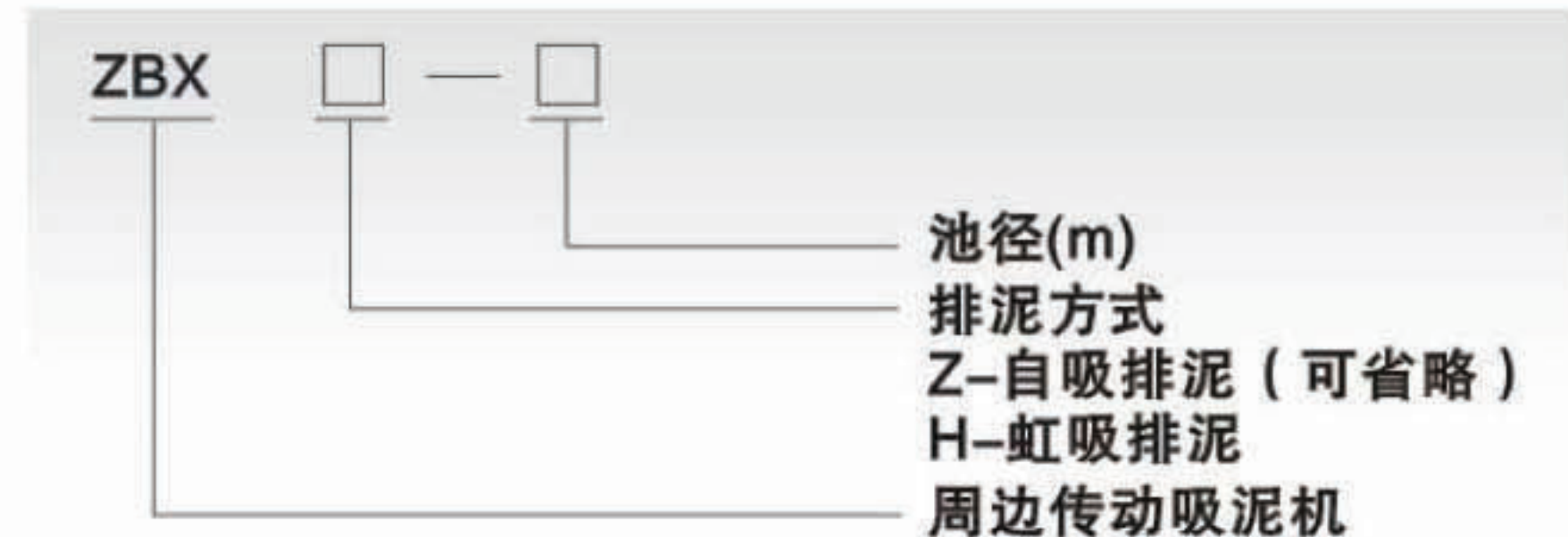
技术性能参数 Technical Parameters

参数	型号	ZBX-20	ZBX-25	ZBX-30	ZBX-35	ZBX-40	ZBX-45	ZBX-50	ZBX-55
池径(mm)		Φ20000	Φ25000	Φ30000	Φ35000	Φ40000	Φ45000	Φ50000	Φ55000
处理水量(m ³ /h)		283	442	636	769	1005	1272	1570	1900
滚轮中心直径Φ(mm)		Φ20400	Φ25400	Φ30400	Φ35400	Φ40400	Φ45400	Φ50400	Φ55400
周边轮压P(kN)		22.5	25	26.5	28.5	30	32.5	39	42.5
周边线速(m/min)		2~3							
单边功率(kW)		0.37	0.37	0.37/0.75	0.37/0.75	0.55/0.75	0.55/1.1	0.75/1.1	0.75/1.1
排泥管径(mm)		Φ300	Φ350	Φ400	Φ450	Φ500	Φ600	Φ600	Φ700
池深H(mm)		3000~6000							

参数(mm)	型号	ZBX-20	ZBX-25	ZBX-30	ZBX-35	ZBX-40	ZBX-45	ZBX-50	ZBX-55
Φ		Φ20000	Φ25000	Φ30000	Φ35000	Φ40000	Φ45000	Φ50000	Φ55000
Φ ₂		Φ3850	Φ4050	Φ4250	Φ4450	Φ4650	Φ4850	Φ5050	Φ5250
Φ ₃		Φ600	Φ700	Φ1000	Φ1200	Φ1300	Φ1500	Φ1700	Φ1800
Φ ₄		Φ1100	Φ1200	Φ1600	Φ1800	Φ2100	Φ2300	Φ2500	Φ2600
Φ ₅		Φ3580	Φ3780	Φ3980	Φ4180	Φ4380	Φ4580	Φ4780	Φ4980
L ₁		1500	1500	1500	2000	2500	2500	2500	2500
L ₂		650	650	750	750	750	750	750	750
B		450	500	500	550	550	600	600	600
H ₁		500	500	500	600	600	700	700	700

- 注：1. 上表功率为两种传动形式的功率，小数值为轴装式减速机，大数值为普通减速机。
2. 中心混凝土支墩承压：半桥为2P，全桥为4P。

型号示例 Type and Its Indication



Transmitted by the driving device, the working bridge rotates along the tank surface, the sediment-scraping trough rotates with the bridge, with the effect of the static head the sediment on the tank bottom is absorbed to the sediment discharge pipe, which is fixed on the scraping trough, and after being regulated by the valve, the sediment enters the effluent trough, then flows into the sediment tank in the center of the settling tank, and finally is removed out of the tank; the sediment in the effluent trough can also be absorbed to the sediment tank by siphonage. With the protection device for torsion, the driving device can be more safely operated.

