

● 用途 Applications

桥式吸砂机主要用于污水处理厂（站）的平流式曝气沉砂池中，去除沉砂池底部的沉砂。

It's mainly used in the horizontal aerated grit chamber in sewage treatment factories (stations) to remove the settled sand in the bottom of the tank.

● 工作原理及构造 Working Principle and Strucure

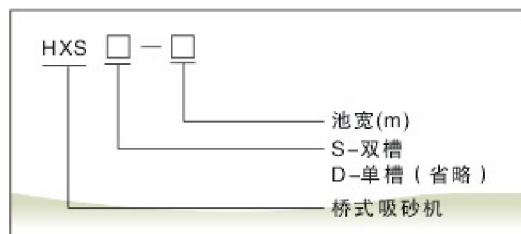
吸砂机在沉砂池面上沿钢轨来回运动，机上的吸砂泵（潜污泵）将池底的砂水混合物吸出并提升至一定的高度，进入砂水分离器进行分离，同时机上可设撇渣板将水面上的浮渣刮至池末端的渣槽中。

桥式吸砂机主要由主梁、轨道、驱动装置、机架、吸砂系统、撇渣装置、输电装置等组成。

The sand sucker moves back and forth along the steel rail. The sand water mixture on the bottom of tank will be sucked out by the sand-sucking pump (under sewage pump) on the sucker and lifted to a certain height then goes into the sand/water separator to separate; at the same time a skimming plate can be settled on the sucker and the plate will skim the drifters to the slag trough at the end of tank.

The bridge style sand sucker is mainly composed of main beam, rail, drive device, frame, sand sucking system, slag-skimming device and electric transmission device and so on.

● 型号示例 Type and Its Indication



● 特点 Features

1. 技术先进,结构简单。 1. Advanced in technology, simple in structure.
2. 采用无堵塞潜污泵吸砂,安全可靠。 2. Safe and reliable due to adopting no obstruction under sewage pump for sucking sand.
3. 传动同步,运行平稳。 3. Sychro in drive, smooth in running.
4. 操作简单,维护方便。 4. Easy in operation and convenient in maintenance.

● 桥式吸砂机技术参数 Bridge Inhale Sand Machine Technical Parameters

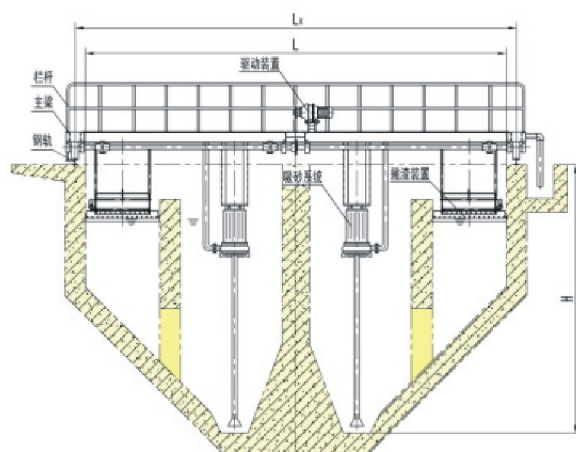
参 数 \ 型 号	HXS-3	HXS-4	HXS-6	HXS-8	HXS-10	HXS-12
池宽L(m)	3	4	6	8	10	12
池深H(m)	2~4					
行驶速度(m/min)	2~5					
驱动功率(kW)	0.37	0.55	0.75		2×0.55	
潜污泵	Q=22m³/h H=5.8m N=1.4kW			Q=42m³/h H=11m N=2.9kW		
钢轨型号 (kg/m)	15kg/m(GB11264-89)					
轨距Lk(mm)	3300	4300	6300	8300	10300	12300
轨道预埋及输电装置	详见桁架吸泥机					



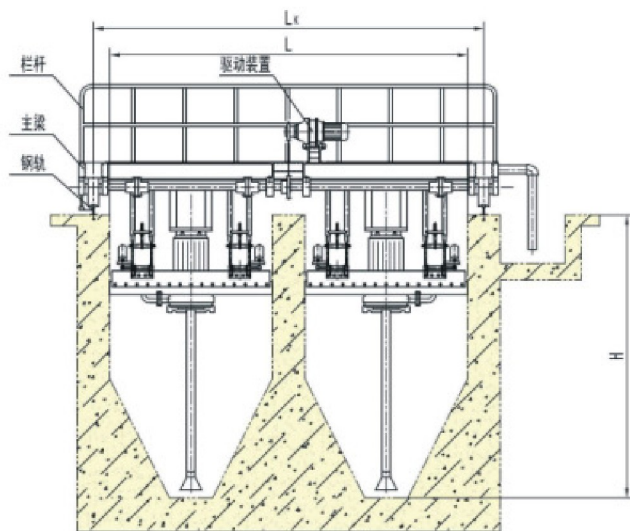
天河水务

HXS 型桥式吸砂机 TYPE -HXS BRIDGE STYLE SAND SUCKER

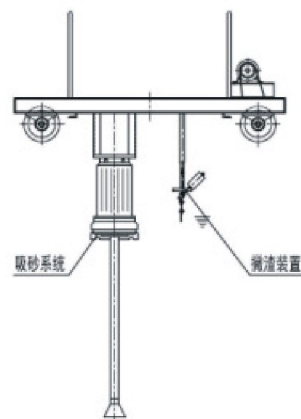
外形结构及尺寸 Shape and Size



双槽吸砂机 (型式一)



双槽吸砂机 (型式二)



订货说明 Requirements for Order

1. 注明主体材质，碳钢或不锈钢。
 2. 本机不包含轨道及输电装置，需要时注明。
 3. 吸砂泵流量可根据用户要求配套。
 4. 无需撇渣板时，请注明。
 5. 若需用气力提升泵提砂时，请注明。
 6. 池宽及池深可按用户要求设计。
1. Note the material of main body: carbon steel or stainless steel.
 2. This sucker doesn't include rails and electric transmission device. Please note them if necessary.
 3. The flow capacity of sand-sucking pump can be matched according to customers' demands.
 4. Please note it if the skimming plate is not needed.
 5. If the lifting by air is needed, please note it.
 6. The different width and depth of the tank can be designed according to the customers' demands.