

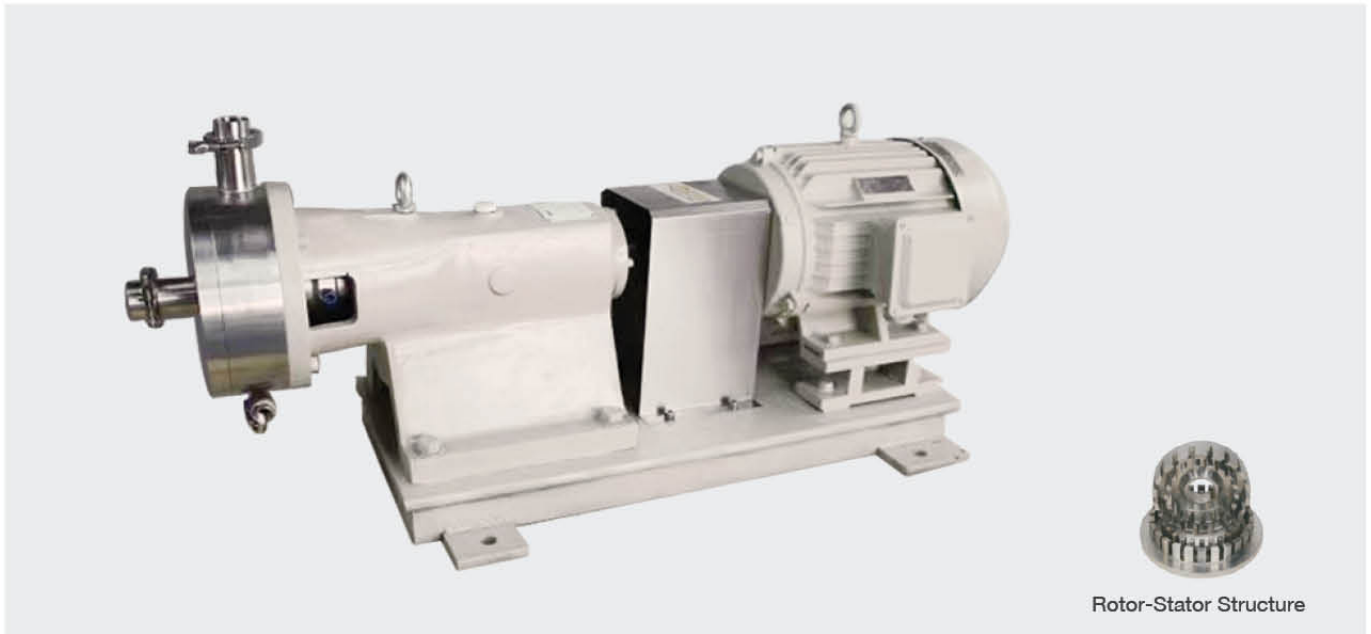


TIB Rotary Lobe Pumps Datasheet

Fully Integrated Industrial Pumping System

Rotary Lobe Pump **Model TIB-HP1**

We are distributors of all types of pumps.



Rotor-Stator Structure

The pump cavity of TIB-HP1 homogeneous emulsion pump is equipped with a group of double stator and double rotor. The raw materials of the rotary stator and the pump cavity eliminates the internal stress of the material by forging and other processes. Improve the toughness and wear resistance of the material, and prolong service life. The rotor drive shaft is made of high-strength composite material. The part that come into contact with the material are usually stainless steel 304 and 316L. The sealing form is a water-cooled double mechanical seal. The pump shaft is supported by dual bearing centers in the bearing housing to effectively control shaft alignment and vibration. The coupling is connected to the motor. The working principle of this product is to suck the material from the inlet of the pump and discharge the material from the outlet under the action of the centrifugal force provide by the rotor. After being homogenized and emulsified by the rotor and stator. TIB-HP1 is suitable for working conditions that require high emulsification processing speed and not too stringent emulsion effects. Able to handle conveying tasks over short distances. It is often used in conjunction with a vertical high-shear homogenized emulsifier to obtain a better homogeneous emulsification effect.

Type Explanation





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Technical Parameters

Type	Power (kw)	Rotation speed (r/min)	Flow (m ³ /h)	Pressure (Mpa)	Inlet DN (mm)	Outlet DN (mm)
TIB-HP1-100	1.5-3	1450-2900	0.1-1	0.05	25	15
TIB-HP1-120	2.2-4	1450-2900	1-2	0.1	40	32
TIB-HP1-140	4-7.5	1450-2900	2-3	0.1	40	32
TIB-HP1-165	5.5-11	1450-2900	3-5	0.15	50	40
TIB-HP1-185	7.5-15	1450-2900	5-10	0.15	65	50
TIB-HP1-200	11-18.5	1450-2900	10-15	0.15	80	65
TIB-HP1-220	15-22	1450-2900	15-20	0.15	80	65
TIB-HP1-240	18.5-37	1450-2900	20-30	0.2	100	80
TIB-HP1-260	22-45	1450-2900	30-40	0.2	125	100
TIB-HP1-300	37-55	1450-2900	40-50	0.25	125	100