



Belt conveyor

Purpose and introduction:

HPD belt conveyor is suitable for chemical industry, metallurgy, coal mine, hydropower, building materials and other departments. It can transport all kinds of bulk materials such as block and granular materials. Therefore, it is often matched with grid or Dehydrator in urban sewage to transport grid slag or dehydrated sludge.



Main features:

- a. The equipment has reliable operation, large conveying capacity, long conveying distance, multi-point material loading and continuous conveying, etc;
- b. The driving device adopts oil-cooled electric roller, with protection grade of IP55, compact structure, small floor area and easy maintenance;
- c. The equipment adopts spiral tensioning device to ensure the safe, reliable and effective operation of conveyor belt;
- d. The conveyor belt is made of nitrile rubber and adopts vulcanization connection method, which is convenient for cleaning, corrosion resistance and long service life;
- e. Slag retaining plates are set on both sides of the upper grooved idler to prevent the grid slag sewage from flowing and overflowing and clean the environment;
- f. Easy to operate, no blockage, convenient maintenance, horizontal layout and inclined transportation. It is an ideal equipment for conveying grid slag;
- g. The equipment can be controlled in linkage with supporting equipment, which is convenient to control, and can also be controlled locally.



Main technical parameters:

Parameter		Model				
		HPD-500	HPD-650	HPD-800	HPD-1000	
Transmission bandwidth		500	650	800	1000	
Conveying capacity (m ³ /h)	Installation angle a(°)	0	25	32	50	75
		10	22.5	28.8	45	67.5
		15	18.75	24	37.5	56.25
		20	15	19.2	30	45
Belt speedV(m/s)		0.6-1.0				
Motor powerN(kw)		0.75-22.0 (According to L)				
Electric drum diameterD(mm)		220、240、315、400、500 (According to L)				
Mounting dimensions (mm)		B1	B+250			
		L	According to user requirements			
		H	According to user requirements			
		H1	H=80 (D/2)			

Structure and working principle:

The equipment adopts continuous trough belt type. The materials fall into the conveyor belt from the discharge port of the grid or dehydrator. Driven by the electric drum, the materials move from one end to the other, and the end is connected with the garbage can for further treatment.