

» DJ Z-shape Conveyor



Description

Z-shape conveyor is gluing freely retractable rubber waveform vertical "skirt" on both sides of flat-shaped rubber conveyor belt, and sticking with a certain strength and elasticity of the crossbeam between the skirts to composite box shaped bucket, so that the material is continuously transported in the bucket. Conveying angle is $0 \sim 90^\circ$ (70° or less is best), Currently, belt width of Z-shape conveyor we mainly produce are: B500, B650, B800, B1000, B1200, B1400, B1600.

Application



Z-shape conveyor can be widely used in coal, food, building materials, chemicals, hydro-power and metallurgical etc. It conveys all kinds of bulk materials which are in condition of the ambient temperature is within the range of $-19 \sim +40$, transporting bulk specific gravity is within $0.5-2.5t / m^3$. Conveying high temperature, acid-base materials, oil or organic solvents and other ingredients requires the use of special sidewall conveyor belt material, our company can customize special large angle belt conveyors according to your needs.

Feature

1. Especially suitable for high lifting height occasion.
2. Large transport capacity
3. Prevent the material scattered
4. Short delivery distance, small space required, convenient process layout,
5. Reduce the scale of infrastructure, cost-saving etc.

Technical Parameter

The height, angle, and max.belt speed

Particle size mm			≤100mm	≤160mm	≤250mm
Belt speed m/s	Baffle height ≤120mm	Inclined angle≤30°	2	1.6	
		Inclined angle≤60°	1.6	1.25	
	Baffle height ≤240mm	Inclined angle≤30°	2.5	2	1.6
		Inclined angle≤60°	1.6	1.6	1.0

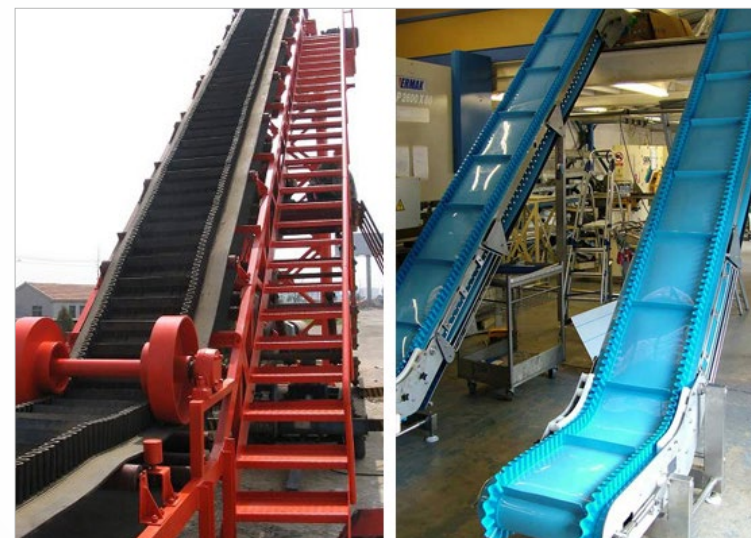
Power table

Belt width (mm)	Baffle height (mm)	30°		45°		60°		75°	
		Capacity (m ³ /h)	Power (KW)	Capacity (m ³ /h)	Power (KW)	Capacity (m ³ /h)	Power (KW)	Capacity (m ³ /h)	Power (KW)
500	120	52.8	2.85	36.5	1.86	26.6	1.32	19.8	0.98
650	120	77.6	3.97	53.3	2.6	39	1.85	29	1.35
	160	105	5.44	76.3	3.57	56.2	2.56	41.6	1.86
800	160	133	6.99	96.6	4.59	71.2	3.28	52.6	2.38
	200	195	9.8	159.8	7.07	117.6	5.07	86.5	3.66

Instructions

1 The table is only used for the preliminary selection, the final selection results shall be determined according to the calculation results.

2. The data in the table according to the tape line speed of 1 m / s, diaphragm spacing $t_s=0.25m$, material density =1t/m University, lifting height $H=10m$ assumption, different conditions should be appropriate conversion.



Technical parameter

Belt width B, mm		500						650						800											
Crossbeam Height H, mm		80		120		160		80		120		160		120		160		200							
Crossbeam Spacing ts,mm		126	252	126	252	378	252	378	126	252	126	252	378	252	378	126	252	378	252	378	252	378	504		
Inclined Angle β	30°	39	21		52	34	65	45	59	32		78	52	105	73		99	65	136	94		148	113		
	40°	31	16		40	26	52	34	47	24		60	40	85	56		76	50	110	72		114	87		
	50°	25	13	60	32		42	27	37	19	90	48		68	45	113	60		88	58	139	91			
	60°	20	11	50	26		34	23	31	16	75	39		55	36	95	49		72	47	113	74			
	70°	17		41	21		28	18	25		62	32		45	30	77	40		58	38	92	61			
	90°	10		25			17		15		38			28		47			36		57	37			
Bandwidth B, mm		1000									1200														
Crossbeam Height H, mm		160			200			240			160			200			240			300					
Crossbeam Spacing ts,mm		252	378	252	378	504	252	378	504	252	378	252	378	504	252	378	504	252	378	504	336	504			
Inclined angle β	30°	186	129		207	159		283	229	223	154		250	191		342	278	410	350						
	40°	150	99		160	122		231	176	180	118		193	147		280	213	352	276						
	50°	120	79	195	128			185	141	114	95	235	154			224	170	290	221						
	60°	98	64	159	105		229	151		117	77	191	126		278	183		237	180						
	70°	80	52	130	85		187	123		96	63	156	103		226	149		193	147						
	90°	49		80	52		115	76		59		96	63		139	91		118	90						
Bandwidth B, mm		1400									1600														
Crossbeam Height H, mm		200			240			300			400			200			240			300			400		
Crossbeam Spacing ts,mm		252	378	504	252	378	504	336	504	420	504	252	378	504	252	378	504	336	504	420	504				
Inclined angle β	30°		299	229		422	342	512	437	780	707		355	272		501	406	614	525	940	852				
	40°		231	175		345	262	440	345	709	614		274	208		410	311	527	413	855	74				
	50°	281	185			276	210	363	276	634	515	334	220			328	249	436	331	764	621				
	60°	229	151		342	225		296	225	549	420	272	179		406	267		355	270	662	507				
	70°	187	123		279	184		241	183	451	343	222	146		331	218		289	220	543	413				
	90°	115	75		171	113		148	112	277	210	136	90		203	134		178	135	333	253				

Note: The conveying capacity of the table is 1m/s, with a speed increase or decrease, and the conveying capacity increases or decreases.