

MODEL "HPB"

Heavy Duty Slider Bed Conveyor



- Packing
- Inspecting
- Sorting
- Transporting
- Assembling
- Testing

STANDARD SPECIFICATIONS

Belt - 12", 14", 18", 24", 30" and 36" Black PVC 120 belt.

Bed - 12 gauge painted formed steel, 6 $\frac{1}{2}$ " deep. Bed sections are 5 feet and 10 feet long bolted together with splice plates and floor supports.

Tail Pulley - 4" diameter for belt widths through 30" wide. 6" diameter for 36" and wider belts. 4" diameter pulley has 1 $\frac{3}{16}$ " diameter shaft, 6" diameter pulley has 1 $\frac{7}{16}$ " diameter shaft turned down on ends to 1 $\frac{3}{16}$ " diameter.

Drive Pulley - 8" diameter crowned and fully lagged with 1 $\frac{7}{16}$ " diameter shaft.

Snub Roller - 2 $\frac{1}{2}$ " diameter directly behind drive pulley; 2" diameter at tail pulley.

Return Roller - 1.9" diameter adjustable, on 10'0" centers.

Floor Supports - Adjustable 31" to 45" from floor to top of belt. One support supplied at each end of conveyor and at each bed joint.

Take-Up - 6" long screws located at tail pulley to provide belt tension.

Bearings - Sealed-prelubricated with cast iron housings.

Speed Reducer - C-Face mounted heavy duty worm gear reducer.

Motor - $\frac{1}{2}$ HP 230/460-3-60 TE motor.

Belt Speed - 60 FPM constant.

Capacity - Maximum load per lineal foot of conveyor - 100 lbs. Not to exceed Load Capacity Chart.

OPTIONAL EQUIPMENT

Belt - Nitrile (white or black) with smooth top cover, Black PVC rough top, Brown Nitrile rough top. Special belts on application.

Guard Rails - Adjustable channel, continuous channel, or solid steel guard rails available.

Floor Supports - Lower or higher than standard. Castored supports with 4" diameter or 6" diameter rigid or swivel casters.

Ceiling Hangers - $\frac{1}{2}$ " diameter threaded rods 8 feet long with locking nuts and mounting hardware. Other lengths are available.

Gravity Conveyor Brackets - Adjustable bracket with 1 $\frac{3}{8}$ " diameter pop-out roller for attaching wheel or roller conveyor.

Nose-Over - Adjustable single or double nose-over provides smooth transfer from incline to horizontal. See drawing on page 96 for details.

Center Drive - Mounted below conveyor bed section. Can be placed most anywhere in conveyor length.

Side Mounted Drive - End drive mounted to side of conveyor section. Specify side. Minimum elevation - 9".

Overhead Drive - End drive mounted above conveyor. Specify clearance required.

Auxiliary Take-Up - Mounted below conveyor bed section. Can be placed most anywhere in conveyor length.

Motor - Single phase, energy efficient, explosion proof, etc. Other HP available.

Belt Speed - Constant and variable belt speeds available.

Electrical Controls - Magnetic starters and push button stations; Manual motor starters with overload protection, others.

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Bed Length	Overall Length	Belt Width Bed Width	12"	14"	18"	24"	30"	36"
			18"	20"	24"	30"	36"	42"
5'	7'	Weight (lbs.)	355	370	396	425	455	490
10'	12'		401	450	485	525	565	605
15'	17'		487	558	615	675	736	802
20'	22'		533	638	704	775	846	917
25'	27'		619	746	834	925	1017	1115
30'	32'		665	826	923	1025	1127	1230
35'	37'		751	934	1053	1175	1298	1427
40'	42'		797	1014	1142	1275	1408	1542
45'	47'		883	1122	1272	1425	1579	1740
50'	52'		929	1202	1361	1525	1689	1855
55'	57'		1015	1310	1491	1675	1860	2052
60'	62'		1061	1390	1580	1755	1970	2167
65'	67'		1147	1498	1710	1925	2141	2365
70'	72'		1193	1578	1799	2025	2251	2480
75'	77'		1279	1686	1929	2175	2422	2677
80'	82'		1325	1766	2018	2275	2532	2792
85'	87'		1411	1874	2148	2425	2703	2990
90'	92'		1457	1954	2237	2525	2813	3105
95'	97'		1543	2062	2367	2675	2984	3302
100'	102'		1589	2142	2456	2775	3094	3417
105'	107'	1675	2250	2586	2925	3265	3615	
110'	112'	1721	2330	2675	3025	3375	3730	
115'	117'	1807	2438	2805	3175	3546	3927	
120'	122'	1853	2518	2894	3275	3656	4042	
125'	127'	1939	2626	3024	3425	3777	4240	
130'	132'	1985	2706	3113	3525	3937	4355	

Load Capacity Chart

60 FPM	
HP	TOTAL LOAD
1/2	435 lbs.
3/4	650 lbs.
1	810 lbs.
1 1/2	1080 lbs.
2	1300 lbs.

