

MODEL"138CAP"

Belt Driven Live Roller Accumulating Conveyor

 Accumulates light boxes, tote bins, baskets, etc.

• Minimum back pressure

Economical



STANDARD SPECIFICATIONS

Driving Belt - 4" wide Black PVC 120 belt.

Bed - Roller bed width between frames, 10", 13", 16" and 22". $5^{1}/_{2}$ " x $1^{1}/_{2}$ " x 12 gauge powder painted formed steel channel frame, bolted together with butt couplings and floor supports.

Tread Rollers - 13/8" diameter x 18 gauge galvanized tread rollers with 5/16" hex shafts on 11/2" or 3" centers. Safety pop-out design prevents damage to product or harm to personnel if caught between belt and tread rollers.

Pressure Rollers - 13/8" diameter x 18 gauge galvanized pressure rollers with 5/16" hex shafts on 6" centers.

X-Bracing - Frame Squaring device supplied on conveyors 40 feet and longer on every other bed section. X-bracing insures good product and belt tracking.

Tail Pulley - 4" diameter crowned with 1³/₁₆" shaft.

Drive Pulley - 4" diameter crowned and fully lagged, with 13/16" diameter shaft. Located at infeed end of conveyor.

Snub Roller - 2" diameter adjustable, located directly behind drive and tail pulley.

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

Floor Supports - 30" to 44" adjustable from floor to top of rollers. One support supplied at each end of conveyor and at each bed ioint.

Take-Up - Located at discharge end of conveyor, provides 12" of belt take-up.

Bearings - Sealed, prelubricated with cast iron housings.

Speed Reducer - Heavy duty worm gear reducer.

Motor - 1/2 HP 230/460-3-60 TE motor.

Belt Speed - 60 FPM constant.

Capacity - 100 pounds per foot. Not to exceed Load Capacity Chart.

OPTIONAL EQUIPMENT

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 -8".

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

Floor Supports - Lower or higher supports available.

Ceiling Hangers - ½" diameter threaded rods 8 feet long with locking nuts and mounting hardware. Other lengths are available.

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	4"					
		Width Between Frames	10"	13"	16"	22" 25"		
		Overall Width	13"	16"	19"			
			Rollers Spaced on 3" Centers					
7'	10'		400	425	445	480		
12'	15'	Weight (lbs.)	535	555	580	610		
17'	20'		545	650	670	710		
22'	25'		750	770	790	830		
27'	30'		840	870	885	925		
32'	35'		950	970	990	1040		
37'	40'		1055	1085	1100	1150		
42'	45'		1160	1180	1205	1250		
47'	50'		1265	1290	1310	1350		
52'	55'		1370	1390	1415	1455		
57'	60'		1480	1500	1520	1550		
62'	65'		1580	1605	1625	1670		
67'	70'		1690	1710	1730	1775		
72'	75'		1800	1820	1835	1880		
77'	80'		1910	1925	1945	1990		
82'	85'		2010	2120	2130	2160		
87'	90'		2170	2180	2190	2200		
92'	95'		2210	2230	2250	2295		
97'	100'		2320	2350	2380	2400		

For Weights on other than 3" centers adjust as follows:												
Roller	10" BF		13" BF		16" BF		22" BF					
Centers	5'	10'	5'	10'	5'	10'	5'	10'				
11/2"	+30	+60	+45	+90	+45	+90	+52	+104				

Driving force is adjustable through the use of a 9 position cam which raises and lowers each individual pressure roller. Each position of the cam is numbered so that once the desired driving force has been determined, all of the other cams can be easily set to the same driving position.

For minimum pressure accumulation, the driving force is set to convey the heaviest product. Product will then accumulate with approximately 2% back pressure depending on the footprint of the product.



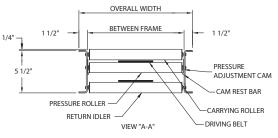
60 FPM

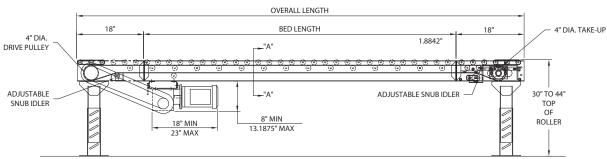
HP TOTAL LOAD

1/2 1300 lbs.

3/4 2000 lbs.

NOTE: 3/4 H.P. Maximum. Above
3/4 H.P. use Model "190 CAP"





FLOW