

MODEL "251 and 267CAP"

Heavy Duty Belt Driven Live Roller Conveyor



- **Heavy duty conveying**
- **Limited accumulation**
- **Rugged design**
- **Easy installation & adjustment**

STANDARD SPECIFICATIONS

Driving Belt - Black PVC 120 belt.

Bed - Roller bed width between frames 27", 33", 39", 45", 51", 57", and 61". 7½" x 1½" x 7 gauge powder painted formed steel channel frame bolted together with butt couplings and floor supports.

Tread Rollers - 2½" diameter x 11 gauge or 2⅝" diameter x 7 gauge, adjustable, both with 1⅛" hex shaft mounted on 3", 4" or 6" centers. Safety pop-out design prevents damage to product or harm to personnel if caught between belt and tread rollers.

Pressure Rollers - 2" diameter x 12 gauge steel pressure rollers. Spaced every 6", 8" or 12" centers.

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

Tail Pulley - 8" diameter crowned with 1⅞" diameter shaft.

Drive Pulley - 12" diameter crowned and fully lagged with 1⅝" diameter shaft.

Snub Roller - 2½" diameter adjustable.

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

Floor Supports - Adjustable 27¾" to 37½" (HD-6) on 5'0" centers with knee braces.

Take-Up - Located in center drive, provides 12" of belt takeup.

Bearings - Sealed prelubricated with cast iron housings.

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

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

Conveyor Speed - 30 FPM constant

Capacity - 450 pounds per foot maximum. Not to exceed Load Capacity Chart.

OPTIONAL EQUIPMENT

Drive Pulley - 16" diameter crowned and fully lagged with 2⅝" diameter shaft.

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

Floor Supports - Lower or higher supports available. Minimum elevation 23" with 12" drive pulley and 25" with 16" drive pulley.

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.

MODEL "251 and 267CAP"



"251 CAP" weights

Overall Length	Belt Width	16"	20"	20"	24"	24"	30"	30"
	Width Between Frames	27"	33"	39"	45"	51"	57"	61"
	Overall Width	30"	36"	42"	48"	54"	60"	64"
Rollers on 3" Centers								
14'	Weight (lbs.)	2320	2660	2950	3390	3680	3850	4250
19'	Weight (lbs.)	2880	3200	3560	4000	4330	4800	5270
24'	Weight (lbs.)	3220	3710	4140	4630	5060	5640	6120
29'	Weight (lbs.)	3700	4240	4750	5300	5810	6480	7090
34'	Weight (lbs.)	4180	4760	5340	5960	6550	7330	7940
39'	Weight (lbs.)	4700	5270	5930	6630	7280	8170	8890
44'	Weight (lbs.)	5130	5790	6380	7240	7530	8480	9680
49'	Weight (lbs.)	5530	6310	7010	7960	8770	9760	10500
54'	Weight (lbs.)	5930	6820	7610	8540	9370	10570	11480
59'	Weight (lbs.)	6280	7350	8300	9290	10160	11500	12600
64'	Weight (lbs.)	6780	7850	8810	9900	10970	12130	13510
69'	Weight (lbs.)	7320	8310	9390	10620	11620	13120	14420
74'	Weight (lbs.)	7750	8810	10000	11240	12430	14030	15520
79'	Weight (lbs.)	8180	9350	10660	11950	13190	14900	16610
84'	Weight (lbs.)	8710	9850	11350	12540	13930	15690	17700
89'	Weight (lbs.)	9230	10350	12080	13060	14640	16520	18780
99'	Weight (lbs.)	9780	10810	12810	13680	15330	17300	19890

"267 CAP" weights

Overall Length	Belt Width	16"	20"	20"	24"	24"	30"	30"
	Width Between Frames	27"	33"	39"	45"	51"	57"	61"
	Overall Width	30"	36"	42"	48"	54"	60"	64"
Rollers on 3" Centers								
14'	Weight (lbs.)	2520	3030	3260	3630	4060	4510	5157
19'	Weight (lbs.)	3120	3550	3610	4450	5000	5680	6411
24'	Weight (lbs.)	3600	3930	4130	4910	5970	6750	7635
29'	Weight (lbs.)	4110	4770	4870	6000	6800	7814	8900
34'	Weight (lbs.)	4660	5380	5500	6780	7710	8890	10060
39'	Weight (lbs.)	5250	5980	6120	7670	8610	10262	11300
44'	Weight (lbs.)	5750	6590	6750	8300	9030	11766	12410
49'	Weight (lbs.)	6220	7200	7480	9140	10450	11990	13530
54'	Weight (lbs.)	6690	7810	8010	9840	11210	13020	14820
59'	Weight (lbs.)	6990	8420	8640	10610	12170	14170	16240
64'	Weight (lbs.)	7680	9010	9250	11440	13150	15030	17530
69'	Weight (lbs.)	8290	9560	9820	12280	13970	16440	18670
74'	Weight (lbs.)	8790	10150	10430	13020	14150	17380	20060
79'	Weight (lbs.)	9290	10780	11180	13850	15880	18470	21470
84'	Weight (lbs.)	9890	11370	11700	14550	16790	19480	22850
89'	Weight (lbs.)	10480	11960	12300	15200	17670	20540	24250
99'	Weight (lbs.)	11170	12510	12870	15940	18530	21540	25660

"251 CAP" — For Weights other than 3" centers deduct the following:

Roller Centers	27" BF		33" BF		39" BF		45" BF		51" BF		57" BF		61" BF	
	5'	10'	5'	10'	5'	10'	5'	10'	5'	10'	5'	10'	5'	10'
4"	-77	-154	-92	-184	-106	-212	-122	-244	-144	-288	-160	-320	-164	-328
6"	-154	-308	-183	-366	-212	-424	-243	-486	-288	-576	-618	-636	-329	-658

"267 CAP" — For Weights other than 3" centers deduct the following:

Roller Centers	27" BF		33" BF		39" BF		45" BF		51" BF		57" BF		61" BF	
	5'	10'	5'	10'	5'	10'	5'	10'	5'	10'	5'	10'	5'	10'
4"	-92	-184	-113	-226	-131	-262	-153	-306	-176	-352	-195	-390	-207	-414
6"	-184	-368	-227	-454	-265	-530	-306	-612	-353	-706	-390	-780	-413	-828

Load Capacity Chart

30 FPM Roller Speed

Diameter Drive Pulley	HP	B/F Width 27" to 33"		B/F Width 39" to 51"		B/F Width 57" to 61"	
		50' OAL	100' OAL	50' OAL	100' OAL	50' OAL	100' OAL
12"	2	8000	6000	6000	-	5000	-
	3	15000	12000	12000	8000	12000	6000
	5	18000	17000	17000	12000	16000	11000

