

MODEL "190RBW"

Roller Bed Wire Mesh Belt Conveyor



- **Drying operations**
- **Wet or oily products**
- **Hot or cold parts from ovens or freezers**
- **One direction operation**

STANDARD SPECIFICATIONS

Belt Width - 12", 18", 24" and 36" wide, 1/2"x1" flat wire belt.

Bed - 1.9" diameter rollers mounted on 6" centers in 6 1/2" deep x 12 gauge powder painted formed channel, bolted together with splice plates and supports.

Drive Sprockets - 6" pitch diameter cast iron sprockets machined for 1 3/16" diameter shaft.

Tail Pulley - 4" diameter with 4" pitch diameter cast iron sprockets on each end of pulley, 1 3/16" diameter shaft.

Snub Roller - Adjustable 2" diameter roller located directly behind drive sprockets and tail sprockets.

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

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

Bearings - Sealed and prelubricated with heavy duty housing.

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.

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

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

Belt Speed - 60 FPM constant.

Capacity - Maximum load per linear foot of conveyor - 75 pounds. Not to exceed Load Capacity Chart.

OPTIONAL EQUIPMENT

Belt - 1/2" x 1/2" flat wire, galvanized, stainless steel. Others.

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

Floor Supports - Lower or higher supports available.

Ceiling Hangers - 1/2" diameter threaded rods 8 feet long with locking nuts and mounting hardware. Other lengths are available.

Side Mounted Drive - End drive mounted to side of conveyor. Specify side. Minimum elevation - 10".

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

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	Between Frames				
		Belt Width	8"	14"	20"	32"
		Bed Width	12"	18"	24"	36"
5'	6'1"		299	320	365	431
10'	11'1"		368	413	465	562
15'	16'1"	Weight (lbs.)	461	523	593	725
20'	21'1"		530	605	693	856
25'	26'1"		623	715	821	1019
30'	31'1"		692	800	921	1150
35'	36'1"		773	943	1035	1297
40'	41'1"		854	990	1149	1444
45'	46'1"		939	1045	1270	1602
50'	51'1"		1023	1195	1391	1759
55'	56'1"		1104	1290	1500	1896
60'	61'1"		1185	1385	1609	2033
65'	66'1"		1270	1487	1736	2201
70'	71'1"		1355	1590	1862	2369
75'	76'1"		1436	1685	1976	2516
80'	81'1"		1517	1785	2090	2663
85'	86'1"		1598	1880	2205	2811
90'	91'1"		1679	1975	2319	2959
95'	96'1"		1760	2072	2433	3106
100'	101'1"		1841	2170	2547	3253

Load Capacity Chart

60 FPM	
HP	TOTAL LOAD
1/2	1300 lbs.
3/4	2000 lbs.
1	2500 lbs.

