

# 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"		16"	22"	28"	40"
10'	11'1"	Weight (lbs.)	299	320	365	431
15'	16'1"		368	413	465	562
20'	21'1"		461	523	593	725
25'	26'1"		530	605	693	856
30'	31'1"		623	715	821	1019
35'	36'1"		692	800	921	1150
40'	41'1"		773	943	1035	1297
45'	46'1"		854	990	1149	1444
50'	51'1"		939	1045	1270	1602
55'	56'1"		1023	1195	1391	1759
60'	61'1"		1104	1290	1500	1896
65'	66'1"		1185	1385	1609	2033
70'	71'1"		1270	1487	1736	2201
75'	76'1"		1355	1590	1862	2369
80'	81'1"		1436	1685	1976	2516
85'	86'1"		1517	1785	2090	2663
90'	91'1"		1598	1880	2205	2811
95'	96'1"		1679	1975	2319	2959
100'	101'1"		1760	2072	2433	3106
		1841	2170	2547	3253	

## Load Capacity Chart

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

