MODEL “190RB”
Roller Bed Belt Conveyor

STANDARD SPECIFICATIONS

Belt - 12", 18", 24", 30", 36", 42" and 48" Black PVC 120 belt.
Bed - Roller bed with 1.9" diameter galvanized steel rollers. Rollers spaced on 6" centers. Rollers mounted in 7" deep x 12 gauge powder painted formed steel channel frames. Frames bolted together with butt couplings and floor supports.
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.
Drive Pulley - 8" diameter crowned and fully lagged, 1 11/16" shaft.
Tail Pulley - 4" diameter crowned supplied through 30" wide belts. 6" diameter crowned supplied for 36" and wider belts. 4" diameter pulley has 1 11/16" diameter shaft; 6" diameter pulley has 1 7/8" diameter shaft.
Pop-Out Roller - 1.9" diameter roller, located at both ends of unit.
Snub Roller - 2 1/2" diameter adjustable roller, located directly behind drive pulley, 2" diameter located behind tail pulley.
Return Rollers - 1.9" diameter adjustable on 10'0" centers.
Take-Up - Located at tail end, provides 12" of belt take-up.
Bearings - Sealed-prelubricated with cast iron housings.
Floor Supports - Adjustable 31 1/4" to 45 3/4" 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 - 200 pounds per foot maximum. 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.
Roller Centers - 1.9" diameter galvanized steel rollers spaced on 3", 4 1/2", 9" or 12" centers.
Guard Rails - Adjustable channel, continuous channel, or solid steel guard rails available.
Floor Supports - Lower or higher than standard. Castered supports with 4" diameter or 6" diameter rigid or swivel casters.
Ceiling Hangers - 1/2" diameter threaded rods 8 feet long with locking nuts and mounting hardware. Other lengths are available.
Nose-Over - Adjustable single or double nose-over provides smooth transfer from incline to horizontal. See drawing on page 96 for details.
Side Mounted Drive - End drive mounted to side of conveyor section. Specify side. Minimum elevation – 10".
Center Drive - Mounted below conveyor bed section. Can be placed most anywhere in conveyor length.
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.
Power Feeder - Separate belt section with (2) MD-6 (28 1/2" to 42 1/2" adjustable) supports. Feeder driven by roller chain from main conveyor. Auxiliary take-up required on inclined conveyor. Integral feeder available.

• Packing
• Inspecting
• Sorting
• Assembling
• Testing
• Transporting horizontally or on incline