

MODEL "MPB"

Medium Duty Modular Plastic Belt Conveyor



- **Transportation**
- **Diverting**
- **Merging**
- **Low Pressure Accumulation**

STANDARD SPECIFICATIONS

Belt Width - 12", 18", 24", 30", and 48" wide, 1" grey polypropylene thermoplastic modular belt.

Bed - 7" deep x 12 gauge powder painted formed steel channel frames set low with guard. Bolt-in formed steel pan with UHMW carrying surface.

End Drive - End drive standard.

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.

Sprockets - 5.8" pitch diameter x 1.5" square bore, molded polyamide thermoplastic.

Return Idlers - UHMW rollers located along overall length for proper belt tension.

Take-up - Belt take-up is done with belt (catenary) sagging.

Bearings - Sealed and prelubricated with cast iron housings.

Floor Supports - Adjustable 30³/₄" to 44³/₄" 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 - ³/₄ 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 - Various styles (colors & materials) available - contact factory.

Sprockets - Other pitch diameters available.

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

Floor Supports - Lower or higher than standard. Castored 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.

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

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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MODEL MPB - WEIGHTS					
Belt Width	12"	18"	24"	30"	48"
BF	15"	21"	27"	33"	51"
Overall Width	18"	24"	30"	36"	54"
10'0" OAL	299	341	384	429	458
Per Foot	21	26	30	35	40

Load Capacity Chart

60 FPM	
HP	TOTAL LOAD
3/4	675 lbs.
1	1025 lbs.
1 1/2	1750 lbs.
2	2450 lbs.

