

MODEL "FTC"

Inclined Floor-to-Floor Conveyor

- **Booster conveyor for gravity flow systems**
- **Transporting between floors**
- **Center drive**



STANDARD SPECIFICATIONS

Belt - 14", 18", 24", 30" and 36" wide rough-top belt.

Bed - 20", 24", 30", 36" and 42" wide 12 gauge powder painted formed steel slider bed. Bed is 6 $\frac{1}{2}$ " deep x 6 feet, 8 feet or 10 feet long spliced together with splice plates.

Under-Trussed Bed - Extra reinforcement to prevent sag in longer bed sections in addition to reinforcing angles, 24 feet and longer.

Double Nose-Over - Two 16" long adjustable bed sections provide a two step transition from incline to horizontal with 15° to 35° adjustment.

Tail Pulley - 4" diameter, crowned with 1 $\frac{3}{16}$ " diameter shaft through 30" wide belt. 6" diameter tail pulley with 1 $\frac{7}{16}$ " diameter shaft turned down on ends for wider than 30" belt.

Drive Pulley - 8" diameter crowned and lagged. 1 $\frac{7}{16}$ " diameter.

Snub Roller - 2 $\frac{1}{2}$ " diameter at drive pulley and 2" diameter at tail pulley.

Return Idlers - 1.9" diameter, adjustable.

Take-Up - Located in center drive assembly, provides 24" of belt take-up.

Pop-Out Roller - Free floating, 1 $\frac{3}{8}$ " diameter rollers located at tail pulleys with gravity connector rods. Will lift out if anything is caught between pulleys and rollers.

Floor Supports - Adjustable stands to give 31" to 45" height at each end; with knee braces.

Bearings - Sealed prelubricated with cast iron housings.

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

Motor - $\frac{3}{4}$ HP 230/460-3-60 TE motor.

Belt Speed - 60 FPM constant.

Capacity - 100 lbs. per foot maximum. Not to exceed Load Capacity Chart.

OPTIONAL EQUIPMENT

Belt - Neoprene ruff-top, PVC rough-top, other types and styles.

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

Ceiling Hangers - $\frac{1}{2}$ " diameter threaded rods of 8 feet long with locking nuts and mounting hardware. Other lengths are available.

Floor Stands - Lower or higher than standard.

Lower Powered Feeder Section - Separate belt section with (2) supports, adjustable from 28 $\frac{1}{2}$ " to 42 $\frac{1}{2}$ ". Driven by roller chain from tail pulley of inclined section. Integral feeder available.

Single Nose-Over - A straight section 23 $\frac{1}{2}$ " from tail pulley to center of nose-over roller provides for smooth transition from 0° to 15° incline.

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.

