

MODEL "251CDE"

Chain Driven Photo Eye Controlled Pallet Accumulating Conveyor

- **Zero pressure accumulation**
- **Electrically operated**
- **Heavy duty construction**
- **Chain driven rollers**
- **Photo eye controlled**
- **Zone connections outside frame for easy installation**



STANDARD SPECIFICATIONS

Frame - Heavy duty 12½" deep x 7 gauge powder painted formed steel channel with heavy duty cross braces. Frames are bolted together with splice plates and floor supports.

Rollers - 2½" diameter x 11 gauge steel rollers, grease packed and labyrinth sealed bearings, 1½" hex shaft. Rollers are spaced on 4" or 6" centers, set 7/8" low.

Floor Supports - Adjustable 25⁵/₈" to 30¼" (HD-4) from floor to top of roller, for each end of conveyor and at each bed joint along with knee braces for each support. Supports on 5 foot centers, change with zone length. Minimum elevation with standard drive location 24".

Drive - Located near center of conveyor length, underneath conveyor frame.

Drive Chain - RC 40 chain used for roller-to-roller connections, RC 60 chain drives each zone. Chains are totally enclosed by metal guards.

Accumulation Zones - Standard zones are 60" long with maximum of 30 zones per single drive. Each zone is controlled by photo eye.

Sensing Device - NEMA 1 photoelectric sensor in each zone detects presence of product and activates accumulation feature in the trailing zone if upstream zone is occupied.

Motor - ¾ HP 230/460-3-60 TE motor.

Electrical Controls - 120 VAC Input to power supply. Power supply has an output of 24 VDC, 4 amp maximum

Power Supply - 120 VAC power supply controls accumulation feature with 24 VDC output. Power supply will control 50 accumulation zones.

Conveyor Speed - 30 FPM constant roller speed.

Capacity - Minimum unit load - 50 pounds. 4000 pounds maximum unit load. Total conveyor live load not to exceed Load Capacity Chart. For loads less than 50 lbs., consult factory.

Speed Reducer - Heavy duty, sealed worm gear, C-Face.

Bearings - Non-reversing, sealed prelubricated with cast iron housings.

Filter/Regulator - Mounted to conveyor side frame. 50 PSI recommended operating pressure with free air consumption of .001cu. ft. per sensor operation.

OPTIONAL EQUIPMENT

Accumulation Zones - 4" roller centers 36", 40", 44", 48", 52", 56" and 72" long. 6" roller centers 36", 42", 48", 54" and 72" long. Frame lengths change with zone lengths.

Tread Rollers - 2⁵/₈" diameter x 7 gauge steel, 1½" hex shaft.

Floor Supports - Higher or lower supports available, adjustable or fixed type.

Side Mounted Drive - Drive unit mounted to side of conveyor in lieu of underneath conveyor frame. 14" minimum elevation to the top of roller.

Time Delay Restart - Allows for product to be unloaded from discharge zone of conveyor without immediate movement of next load into discharge zone.

Conveyor Speed - Constant and variable speeds between 10 and 70 FPM available.

Motor - Single phase, energy efficient, explosion proof, etc. Other HP available.

Electrical Controls - Magnetic starters and push button stations; manual motor starters with overload protection, others.

Optional Loads - Capacity available to 6000 lbs. unit loads.

Rollers Set High - Rollers set ¼" high above side rail. Frame is 11³/₈" deep x 7 gauge formed steel channel.

