



Professional Packaging Systems

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Roach 796PRA-2PV & 796PRA-3PV Poly-V Photoeye Controlled Zero Pressure Powered Roller Conveyor



At a Glance

- Motorized rollers drive the conveyor
- Rollers set low in frame
- No need for drive belts, chains or line shafts
- Poly-V belt features lengthwise grooves providing a drive by adhesion

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

Motorized Rollers Drive the Conveyor with Rollers Set Low

The Roach 796PRA powered roller accumulator conveyor revolutionizes the automated conveyor industry. With rollers set low, motorized rollers drive the conveyors eliminating the need for drive belts, chains or line shafts.

The Poly-V belt features lengthwise grooves providing a drive by adhesion, and optimizes the contact area, giving increased power transfer.

Specifications

Tread Rollers: 1.9" dia. x 16 ga. galvanized, model 196G with Poly-V Belt Drive Adapter.

Drive Belt: 796 PRA-2PV -2 Rib Poly-V Belt 796 PRA-3PV -3 Rib Poly-V Belt.

Capacity: 2 Rib Poly-V Belt 110 lbs. per zone at 60 fpm (maximum capacity) 3 Rib Poly-V Belt 350 lbs. per zone at 53 fpm (maximum capacity).

Roller Centers: 3" or 4"

Bed: 7" x 1-3/4" x 12 ga. formed steel channel frame. Rollers set low in frame.

Speed: 60 FPM, constant.

Accumulation: Zone singulation operation; 36" zone length; zones are actuated using photoeye.

Motor Drive: Driven by High Torque 24V DC Powered Roller.

Bearings: Precision ABEC bearings.

DC Power Supply: 24 volt fixed output required.

Options

Accumulation Zones: 24" and 48" long zones available, depending on roller centers.

Floor Supports: Supports, knee braces, casters and polytier supports available.

Ceiling Hangers: 5/8" dia. threaded rod with hardware to attach rods to conveyor. Provides 6' clearance between ceiling and TOR (furnished in place of floor supports). See Conveyor Accessories.

Conveyor Speed: Constant speeds available 20-150 FPM (Optional speeds are dependent upon product weight.)

Bed: Control side 7" x 1-3/4" x 12 ga. formed steel channel frame. Rollers set low in frame. Outside channel 5" x 1-3/4" x 10 ga. formed steel channel frame. Rollers set high in frame.

Diffuse Photoeye: Photoeyes mounted below tread rollers.

Please [contact Pro Pac](#) or call 888-318-0083 for your conveyors.

Zones and Amperage

| Zones | AMP |
|---------------|--------|
| 1 - 2 Zones | 6 AMP |
| 3 - 8 Zones | 10 AMP |
| 9 - 17 Zones | 20 AMP |
| 18 - 26 Zones | 30 AMP |
| 27 - 36 Zones | 40 AMP |

Roach 796PRA-2PV & 796PRA-3PV Conveyor Lengths & Unit Weights

| Conveyor Length | | 10' | 20' | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | Deduct |
|-----------------|-----|---|-----|------|------|------|------|------|------|------|------|----------|
| BF | OAW | Unit Weights (lbs) with 3" Roller Centers | | | | | | | | | | Per Foot |
| 15" | 18" | 205 | 410 | 615 | 820 | 1025 | 1230 | 1435 | 1640 | 1845 | 2050 | 21 |
| 19" | 21" | 230 | 460 | 690 | 920 | 1150 | 1380 | 1610 | 1840 | 2070 | 2300 | 23 |
| 21" | 24" | 242 | 484 | 726 | 968 | 1210 | 1452 | 1694 | 1936 | 2178 | 2420 | 24 |
| 25" | 28" | 266 | 532 | 798 | 1064 | 1330 | 1596 | 1862 | 2128 | 2394 | 2660 | 27 |
| 27" | 30" | 279 | 558 | 837 | 1116 | 1395 | 1674 | 1953 | 2232 | 2511 | 2790 | 28 |
| 33" | 36" | 323 | 646 | 969 | 1292 | 1615 | 1938 | 2261 | 2584 | 2907 | 3230 | 32 |
| 39" | 42" | 361 | 722 | 1083 | 1444 | 1805 | 2166 | 2527 | 2888 | 3249 | 3610 | 36 |

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