

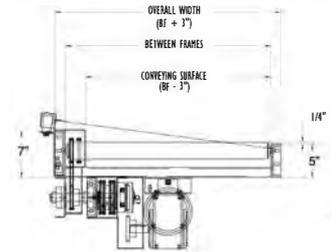
# MODEL SZA192CDA MEDIUM DUTY CHAIN DRIVEN ZERO PRESSURE ACCUMULATOR

AIR CLUTCH OPERATED ZONES

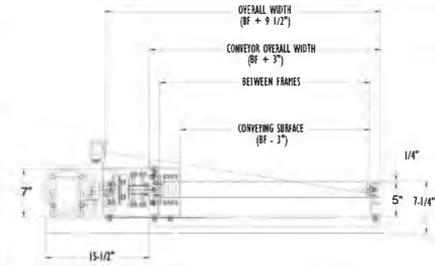


Conveyor shown with optional supports

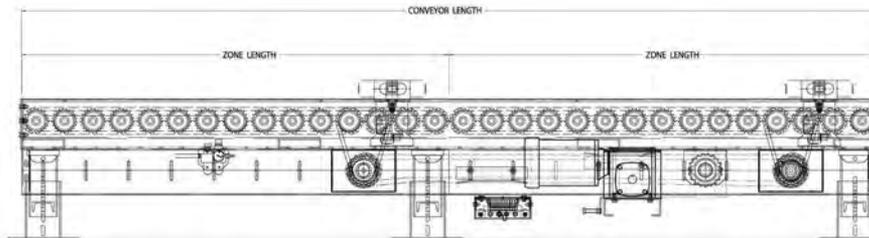
SZA192CDA SMART ZONE® is a medium duty roll-to-roll chain driven zero pressure accumulator, designed to safely accumulate medium duty loads in 5' zones. Roach SMART ZONE® incorporates photo electric sensors to detect product loads instead of sensor rollers-which eliminates many problems associated with sensor rollers. Products do not touch during accumulation and are singulated individually off of conveyor. SMART ZONE® is easy to install and simple to maintain.



SZA192CDA AIR CLUTCH UNDERNEATH



SZA192CDA AIR CLUTCH SIDEMOUNT



**SMART ZONE:**  
Retroreflective photo eyes include a 24V DC power supply operated by a 110V AC input.

## SPECIFICATIONS

**TREAD ROLLERS:** 1.9" dia. x 12 ga., model 192S.

**CHAIN DRIVE:** Roller-to-roller No. 40 roller chain. Zone-to-zone No. 60 roller chain.

**CHAIN GUARD:** All chains are completely enclosed along the entire length of conveyor.

**CENTER DRIVE:** Drive either side mounted or underside mounted (specify). Drive shafts are supported by precision, heavy duty, lubricated, ball bearing units.

**ROLLER CENTERS:** 4" or 6" RC ONLY.

**SPEED:** 35 FPM, constant.

**ACCUMULATION ZONE:** 5'-0" zone lengths, zone singulation operation, photo electric sensor controlled zones with air clutch. (60 psi max)

**BED:** 6-1/2" x 1-1/2" x 10 ga. and 4-1/2" x 1-1/2" x 10 ga. formed steel channel frame. Bed sections are bolted together with butt couplings and floor supports.

**BEARINGS:** Removable type, heavy duty ball bearings, zinc-plated, grease packed, labyrinth seal.

**FRL:** Unit is provided with filter, regulator and lubricator with 3/8" ports for 60 PSI operational pressure.

**MOTOR DRIVE:** 1/3 HP, 230/460/3, 60 cycle, ODP right angle gear motor.

**CAPACITY:** 300 lbs./ft. up to a maximum of 1200 lb. pallet load.

**Roach Conveyors- Thomas Conveyor and Equipment**  
28 Hillside Avenue- Hillside- IL- 60162- [www.tceconveyors.com](http://www.tceconveyors.com)



28 Hillside Avenue • Hillside, IL 60162-0736

**SPECIFICATION TABLE**

■ 6 week shipment

| CONVEYOR LENGTH                                   |                      | 10'   | 20'  | 30'  | 40'  | 50'  | 60'  | 70'  | 80'  | 90'  | 100'  |
|---|----------------------|---|------|------|------|------|------|------|------|------|-------|
| <b>BF</b>   | <b>Conv. Surface</b> | <b>UNIT WEIGHTS (lbs.) with 4" Roller Centers</b> |      |      |      |      |      |      |      |      |       |
| 15"   | 12"                  | 761   | 1341 | 1922 | 2502 | 3083 | 3663 | 4244 | 4824 | 5405 | 5986  |
| 21"   | 18"                  | 832   | 1476 | 2119 | 2762 | 3406 | 4049 | 4692 | 5336 | 5979 | 6622  |
| 27"   | 24"                  | 922   | 1646 | 2369 | 3093 | 3816 | 4539 | 5262 | 5977 | 6706 | 7435  |
| 33"   | 30"                  | 998   | 1802 | 2598 | 3393 | 4189 | 4985 | 5780 | 6582 | 7379 | 8176  |
| 39"   | 36"                  | 1075  | 1929 | 2784 | 3638 | 4493 | 5347 | 6202 | 7056 | 7915 | 8774  |
| 45"   | 42"                  | 1156  | 2081 | 3007 | 3932 | 4857 | 5783 | 6709 | 7634 | 8568 | 9502  |
| 51"   | 48"                  | 1226  | 2213 | 3199 | 4186 | 5173 | 6159 | 7146 | 8133 | 9132 | 10131 |
| <b>UNIT WEIGHTS (lbs.) with 6" roller centers</b> |                      |   |      |      |      |      |      |      |      |      |       |
| 15"   | 12"                  | 711   | 1241 | 1772 | 2302 | 2833 | 3363 | 3894 | 4424 | 4955 | 5486  |
| 21"   | 18"                  | 772   | 1356 | 1939 | 2522 | 3106 | 3680 | 4272 | 4856 | 5439 | 6022  |
| 27"   | 24"                  | 842   | 1486 | 2129 | 2773 | 3416 | 4059 | 4702 | 5337 | 5986 | 6635  |
| 33"   | 30"                  | 898   | 1602 | 2298 | 2993 | 3689 | 4385 | 5080 | 5789 | 6479 | 7176  |
| 39"   | 36"                  | 965   | 1709 | 2454 | 3198 | 3943 | 4687 | 5432 | 6176 | 6925 | 7674  |
| 45"   | 42"                  | 1026  | 1821 | 2617 | 3412 | 4207 | 5003 | 5799 | 6594 | 7398 | 8202  |
| 51"   | 48"                  | 1086  | 1933 | 2779 | 3626 | 4473 | 5319 | 6166 | 7013 | 7872 | 8731  |

**OPTIONAL EQUIPMENT**

**ZONE LENGTHS:** 3' through 10' in 4" or 6" increments as per roller centers and zone chain pitch. Frame lengths will vary with zone lengths.

**BED:** 6-1/2" x 1-1/2" x 7 ga. and 4-1/2" x 1-1/2" x 7 ga. formed steel channel frame.

**TREAD ROLLERS:** 1.9" dia. x 9 ga. steel, model 199S tread rollers.

**FLOOR SUPPORTS:** Supports, knee braces, casters and polytier supports available. See Conveyor Accessories.

**SIDE MOUNTED CLUTCH:** Consult factory for low elevation model SZ192CDAS with side mounted clutch.

**SPEED:** Constant speed 20-120 FPM; DC variable speed; AC inverter variable speed. Other constant or variable speeds available. Minimum unit speed is 20 FPM for model CDA. **NOTE: CAPACITY CHANGES WITH SPEED.**

**MOTORS:** Available through 3 HP in TEFC, explosion proof, dirty duty, brake motor, 115/230/1, 575/3, etc.

**DEFUSED SMARTZONE:** Photoeyes mounted below tread rollers.