



Professional Packaging Systems

2010 S. Great Southwest Parkway
Grand Prairie, Texas 75051
www.ProPac.com

Contact

Our Packaging Experts
solutions@propac.com
888-318-0083

Roach SZ796LSZ Line Shaft Zero Pressure Accumulator Smart Zone Conveyor

At a Glance

- Safely accumulates packages with no minimum weight limitations
- Loads up to 125 lbs per foot may be effectively handled
- Photo electric sensors to accumulate products

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.



Safely Accumulate Packages with No Minimum Weight Limitation

The Roach SZ796LSZ Smart Zone line shaft conveyor quietly accumulates a wide variety of product sizes and features no minimum weight limitations. The Roach Smart Zone eliminates sensor rollers and replaces with photo electric sensors to accumulate products with previously difficult minimal weight restrictions. This zero pressure line shaft driven accumulator is ideal for numerous light to medium-duty applications since curves, spurs and other modules may be driven by a single drive.

Specifications

Tread Rollers: 1.9" dia. x 16 ga. steel, model 196S grooved.

Drive Belt: 3/16" dia., polyurethane belts. Nominal 15 lbs. per roller drive.

Drive Shaft: 1" dia. C1018 cold rolled steel shaft.

Couplings: Couplings located both ends (type A), one end only (type B or C) or none (type D).

Center Drive: Located approximately 16-1/2" from end of bed section on 4" RC; 18" on 3" and 6" RC.

Speed: 60 FPM, constant.

Accumulation: Zone singulation operation; 2'-0" zone length; zones are pneumatically actuated using photo electric sensors.

Bearings: All bearings are precision, lubricated, ball bearing units with composite housings.

Bed: 7" x 1-1/2" x 12 ga. formed steel channel frame. Bed sections attached with splice plates and floor supports.

FRL: Unit is provided with filter, regulator, lubricator with 1/4" ports.

Pneumatic Actuation: Maximum air line pressure should not exceed 30 PSI.

Motor Drive: 1/3 HP, 230/460/3, 60 cycle, ODP right angle gear motor.

Roller Chain: Drive shaft is driven by No. 50 chain. Chain take-up provided on motor base.

Capacity: See technical section for load capacity rating.

Options

Side Mounted Drive: Provides overall conveyor height of 10".

Accumulation Zones: 18" and 30" 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).

Conveyor Speed: Constant speed 15-120 FPM; DC variable speed; AC inverter variable speed. Minimum operating speed for line shaft conveyor is 30 FPM.

Slug Release: Products may be slug released rather than individual product release in normal zone singulation; accumulation mode will not be disturbed when slug release option utilized.

Galvanized Rollers: Tread rollers available in galvanized steel, model 196G grooved.

Motors: Available through 2 HP in TEFC, explosion proof, dirty duty, 115/230/1, 575/3, etc.

Defused Smart Zone: Photoeyes mounted below tread rollers.

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

Horsepower & Drives

HP @ 60 FPM	A MAX
1/3, 1/2	21"
3/4, 1	22"
1-1/2, 2	23"

Roach SZ796LSZ 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"	551	928	1306	1683	2061	2438	2816	3193	3571	3948	38
19"	21"	589	1003	1417	1831	2244	2658	3072	3486	3900	4313	41
21"	24"	612	1049	1486	1923	2360	2797	3234	3671	4108	4545	44
25"	28"	646	1130	1613	2096	2580	3063	3546	4029	4513	4996	48
27"	30"	672	1178	1684	2191	2697	3203	3710	4216	4722	5229	51
33"	36"	724	1300	1876	2452	3027	3603	4179	4755	5331	5906	58
39"	42"	788	1504	2079	2724	3369	4015	4660	5305	5950	6595	72

Roach SZ796LSZ Conveyor Unit Weights for Other than 3" Centers

Tread Roller Centers	15" BF		19" BF		21" BF		25" BF		27" BF		33" BF		39" BF	
	Per 5'	Per 10'	Per 5'	Per 10'	Per 5'	Per 10'	Per 5'	Per 10'	Per 5'	Per 10'	Per 5'	Per 10'	Per 5'	Per 10'
4"	-14	-28	-17	-34	-19	-37	-21	-42	-23	-45	-27	-53	-31	-62
6"	-18	-36	-34	-68	-37	-74	-42	-84	-45	-90	-53	-106	-62	-124

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