

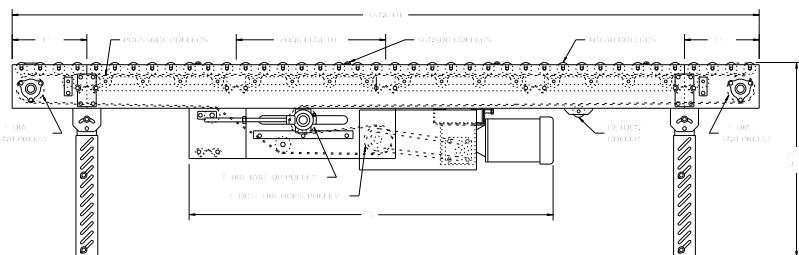
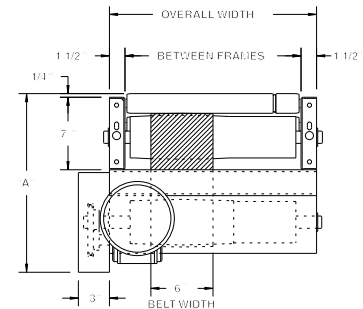
MODEL 196ZPA MEDIUM DUTY ZERO PRESSURE LIVE ROLLER ACCUMULATOR

50th Anniversary Edition

48



Roach model 196ZPA accumulates packages quietly, safely and with zero back pressure. Loads up to 125 lbs./ft. may be effectively handled with its unique design.



SPECIFICATIONS

TREAD ROLLERS: 1.9" dia. x 16 ga. steel, model 196S.

PRESSURE ROLLERS: 1.9" dia. x 16 ga. steel, model 196S; 8" BF with 6" wide belt.

BELTING: 6" wide black PVC-120 COS.

DRIVE PULLEY: 4" dia. with 1-3/16" dia. shaft or 8" dia. with 1-7/16" dia. shaft, both crowned and fully lagged.

END PULLEY: 4" dia., crowned, with 1-3/16" dia. shaft.

RETURN ROLLERS: 1.9" dia. x 16 ga. steel, model 196S, adjustable.

SQUARING RODS: Adjustable rods on underside of bed allow frame to be squared for improved belt tracking and are standard on all units over 30'.

BED: 7" x 1-1/2" x 12 ga. channel frame slotted for tread rollers to pop-out. When unit is installed at 7'-0" elevation or higher, rollers must be retained in conveyor frame. Specify desired elevation. Bed sections attached with couplings and floor supports.

BEARINGS: All pulley bearings are precision, heavy duty, lubricated, ball bearing units with cast iron housings.

ACCUMULATION: 2'-0" long zones pneumatically actuated. 1'-0" of live roller over end plates at each end of conveyor remains "live" during operation (# of zones x zone length + 2' = overall conveyor length).

SPEED: 60 FPM, constant.

HP @ 60 FPM	REDUCER	"A"	"B" MAX.
1/3	RBW13120-02	17-1/16"	54-7/32"
1/2	RBW13120-02	17-1/16"	54-7/32"
3/4	RBW13340-02	17-15/32"	55-5/16"
1	RBW13150-01	19-3/16"	55-5/8"
1-1/2	RBW13150-02	19-3/16"	55-5/8"
2, 3	RBW13200-02	21-1/8"	57-5/16"

PNEUMATIC ACTUATION: Maximum air line pressure should not exceed 30 PSI.

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

FLOOR SUPPORTS: SM-6 adjustable 31-1/2" to 43-1/2" TOR. Supports should be lagged to floor.

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

ROLLER CHAIN: Drive pulley is driven by No. 50 roller chain for 1-1/2 HP or less and No. 60 chain on larger drives. Chain take-up provided on motor base.

ELECTRICAL CONTROLS: Optional.



WARNING

Pop-out rollers should be retained in frame if unit is elevated to 7'-0" and above.

SPECIFICATION TABLE

50'-0" lengths and under are equipped with 4" dia. drive pulley; over 50'-0" includes 8" dia. drive pulley

CONVEYOR LENGTH			6'	10'	15'	20'	25'	30'	40'	50'	60'	70'	80'	90'	100'
BF	OAW	BELT	Unit weights (lbs.) with 3" roller centers (For other centers, deduct weights below)												
15"	18"	6"	446	553	722	856	1025	1159	1462	1765	2068	2371	2674	2977	3280
19"	22"	6"	478	600	782	934	1123	1270	1600	1934	2274	2595	2925	3255	3590
21"	24"	6"	511	645	847	1015	1217	1385	1755	2125	2495	2865	3235	3605	3975
25"	28"	6"	557	709	939	1132	1358	1543	1963	2370	2780	3193	3608	4020	4458
27"	30"	6"	579	738	977	1176	1415	1614	2052	2490	2928	3366	3804	4242	4680
33"	36"	6"	650	828	1107	1296	1613	2232	2700	3168	3638	4104	4572	5040	5508
39"	42"	6"	717	928	1237	1501	1810	2692	2971	3538	4111	4684	5257	5830	6403

Deduct the following weights (lbs.) 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"	-23	-45	-28	-55	-30	-60	-35	-69	-37	-75	-45	-90	-53	-105
6"	-45	-90	-54	-108	-60	-120	-69	-138	-75	-150	-90	-180	-105	-210

OPTIONAL EQUIPMENT

ZONE SINGULATION: Available as option to singulate loads for accumulation or for off-loading purposes. Specify how unit will be off-loaded. Additional controls will be required to unload unit.

ACCUMULATION: 30" and 60" zones available in 3" and 6" roller centers; 40" and 60" zones available in 4" roller centers.

ACCUMULATION CONTROLS: For actuation of zones using photo electric sensors, see pages 50-51 for model SZ196ZPA SMART ZONE®.

BELTING: 6" wide black PVC-150; 12" wide PVC-120.

END DRIVE: Mounted underneath conveyor. Minimum possible height is 20" TOR for underneath mounted end drive. Belt take-up required for end drive (if substituting end drive for center drive).

SIDE MOUNTED END DRIVE: Provides overall conveyor height of 10".

AUXILIARY TAKE-UP: Provides 24" of belt take-up. Specify location. See pages 124-125.

FLOOR SUPPORTS: Other height supports, knee braces, casters and polytier supports available. See pages 152-155.

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 page 153.

GUARD RAILS: 1-3/4" x 1" formed channel (model GC), adjusts horizontally to 8" wider than roller and vertically to 6" above roller; formed steel fixed (model FSG in 2", 4" and 6" heights; fixed channel (model FC); 1-1/2" angle (model GA1-1/2). See page 157.

GALVANIZED ROLLERS: Both tread and pressure rollers available in galvanized steel, model 196G. Specify tread only or both tread and pressure rollers.

192S TREAD ROLLERS: 1.9" dia. x 12 ga. steel tread rollers, model 192S, available in model 192ZPA.

SPEED: Constant speed 15-120 FPM; DC variable speed; AC inverter variable speed. Other constant or variable speeds available. **NOTE: CAPACITY CHANGES WITH SPEED.**

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

ELECTRICAL CONTROLS: Magnetic starter; One direction manual starter; Momentary start/stop push button station.



ZONE ACTIVATOR SENSOR