



Professional Packaging Systems

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Roach 638CALR Light-Duty Cam Adjusted Live Roller Conveyor



At a Glance

- Ideal for horizontal conveying where transfers, side loading or unloading, or temporary accumulation
- Made for conveying small items that require close standard roller spacing
- Perfect for light-duty applications

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.

Convey, Transfer, Load and Unload Light Items

The Roach 638CALR live roller conveyor is ideally suited for horizontal conveying of items where transfers, side loading or unloading, or temporary accumulation is required. Perfect for light-duty applications or when small items are conveyed requiring close standard roller spacing.

Specifications

Tread Rollers: 1-3/8" dia. x 18 ga. galvanized steel, model 138G with 5/16" hex.

Pressure Rollers: 1-3/8" dia. x 18 ga. galvanized steel, model 138G with 5/16" hex.

Return Rollers: 1-3/8" dia. x 18 ga. galvanized steel, model 138G with 5/16" hex, adjustable.

Belting: 6" wide black PVC-120 COS.

Center Drive: Reversible drive w/ 24" integral belt take-up. Specify location.

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.

Speed: 60 FPM, constant.

Bed: 6" 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.

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'.

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

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

housings.

Roller Chain: Drive pulley is driven by No. 50 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.

Options

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 9".

Auxiliary Take-Up: Provides 24" of belt take-up. Specify location.

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).

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

Speed: Constant speed 3-120 FPM; DC variable speed; AC inverter variable speed. Other constant or variable speeds available. Note: Capacity changes with speed.

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).

Electrical Controls: Magnetic starter (one direction or reversible); One direction manual starter; Momentary start/stop push button station; Forward/ reversing /stop push button station. Mounting and pre-wiring for units up to 12' long.

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

Horsepower & Drives

HP @ 60 FPM	A MAX		B MAX	
	4" Drive	8" Drive	4" Drive	8" Drive
1/3	15-5/8"	16-5/8"	58-5/32"	58-5/32"
1/2	15-5/8"	16-5/8"	58-5/32"	58-5/32"
3/4	16"	16-5/8"	58-25/32"	58-25/32"
1	16-1/4"	16-5/8"	59-17/32"	59-17/32"
1-1/2	17-1/8"	17-1/8"	61-21/32"	61-21/32"
2	18"	18"	62-21/32"	62-21/32"

Roach 638CALR Conveyor Lengths & Unit Weights

Conveyor Length			10'	20'	30'	40'	50'	60'	70'	80'	90'	100'	Deduct
BF	OAW	BELT	Unit Weights (lbs) with 1-1/2" Roller Center										Per Foot
10"	13"	2-1/4"	403	614	825	1036	1247	1458	1669	1880	2091	2302	21
16"	19"	2-1/4"	502	776	1051	1325	1599	1874	2148	2422	2697	2971	27
22"	25"	2-1/4"	601	939	1276	1614	1952	2289	2627	2965	3302	3640	34

Roach 638CALR Conveyor Unit Weights for Other than 1-1/2" Centers

Conveyor Length		6'	10'	15'	20'	25'	30'	40'	50'	60'	70'	80'	90'	100'
BF	Roller Centers	Deduct these Unit Weights for Other than 1-1/2" Centers												
10"	3"	-36	-60	-90	-120	-150	-180	-240	-300	-360	-420	-480	-540	-600
16"	3"	-54	-90	-135	-180	-225	-270	-360	-450	-540	-630	-720	-810	-900
22"	3"	-72	-120	-180	-240	-300	-360	-480	-600	-720	-840	-960	-1080	-1200
10"	4-1/2"	-48	-80	-120	-160	-200	-240	-320	-400	-480	-560	-640	-720	-800
16"	4-1/2"	-72	-120	-180	-240	-300	-360	-480	-600	-720	-840	-960	-1080	-1200
22"	4-1/2"	-96	-160	-240	-320	-400	-480	-640	-800	-960	-1120	-1280	-1440	-1600

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