

Model 25-CREZD Heavy Duty Accumulating Conveyor ("Zero-Pressure" Accumulating Type)

The Model 25-CREZD is a chain driven live roller conveyor designed to handle loads such as pallets, drums, etc. Items are accumulated with "Zero-Back Pressure" reducing the possibility of collisions that may result in product damage.



- ★ EZDrive™ System (Individual zone drive)
- ★ EZLogic® Accumulation System
- ★ Chain Driven Rollers
- ★ Zero-Pressure Accumulation
- ★ 4 ga. Formed Steel Frames
- ★ Adjustable HSA-Type Floor Supports Available

HOW IT WORKS

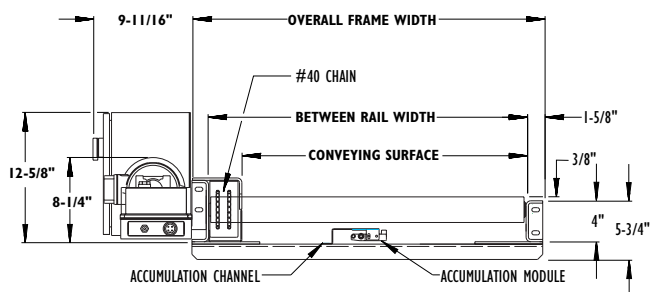
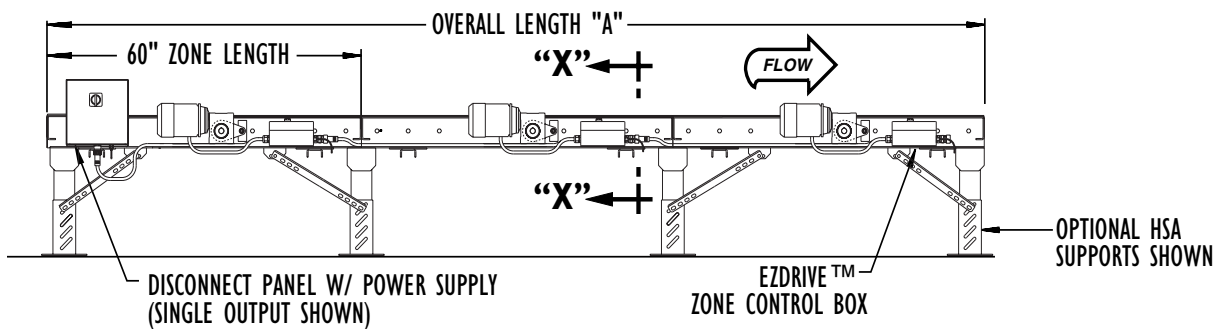
The conveyor is made up of standard 60 in. long accumulation zones. Each zone contains an individual zone drive interfaced to Hytrol's EZLogic® accumulation modules. The modules sense product presence and control the accumulation and release of the zones by starting and stopping the zone drives.

Size To Order Overall Length "A"				Conveying Surface Between Rail Width	27 3/4"	31 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	55 3/4"	59 3/4"	63 3/4"
208/230V-3 Ph. 60 Hz.		460V-3 Ph. 60 Hz.			31"	35"	39"	43"	47"	51"	55"	59"	63"	67"
Single Output	Dual Output	Single Output	Dual Output	Overall Frame Width	34 1/4"	38 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	62 1/4"	66 1/4"	70 1/4"
5'	-	5'	-	WEIGHTS (Lbs.) Weights Based on 6" Roller Centers	453	479	505	531	557	582	608	626	656	686
10'	-	10'	-		906	958	1010	1062	1114	1164	1216	1252	1312	1372
15'	-	15'	-		1359	1437	1515	1593	1671	1746	1824	1878	1968	2058
20'	-	20'	-		1812	1916	2020	2124	2228	2328	2432	2504	2624	2744
25'	-	25'	-		2265	2395	2525	2655	2785	2910	3040	3130	3280	3430
-	30'	30'	-		2718	2874	3030	3186	3342	3492	3648	3756	3936	4116
-	35'	35'	-		3171	3353	3535	3717	3899	4074	4256	4382	4592	4802
-	40'	40'	-		3624	3832	4040	4248	4456	4656	4864	5008	5248	5488
-	45'	45'	-		4077	4311	4545	4779	5013	5238	5472	5634	5904	6174
-	50'	50'	-		4530	4790	5050	5310	5570	5820	6080	6260	6560	6860
-	-	-	60'		5436	5748	6060	6372	6684	6984	7296	7512	7872	8232
-	-	-	70'		6342	6706	7070	7434	7798	8148	8512	8764	9184	9604
-	-	-	80'		7248	7664	8080	8496	8912	9312	9728	10016	10496	10976
-	-	-	90'		8154	8622	9090	9558	10026	10476	10944	11268	11808	12348
-	-	-	100'		9060	9580	10100	10620	11140	11640	12160	12520	13120	13720
Weight Add-On for 4" centers per foot					27	29	31	34	36	38	40	52	46	47

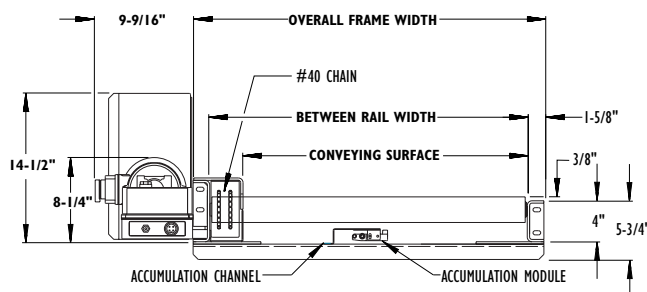


ACCUMULATION - ZERO PRESSURE

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included. Weights in chart are for 60" zones. Other zone lengths optional.



VIEW X-X (SINGLE OUTPUT DISCONNECT PANEL)



VIEW X-X (DUAL OUTPUT DISCONNECT PANEL)

Standard Specifications

BED—Roller bed with 2-1/2 in. dia. x 11 ga. unplated rollers spaced every 4 or 6 in. Tread rollers mounted in 4 in. x 4 ga. formed channel on side opposite chain guard and 6 in. x 4 ga. formed channel on chain guard side. Bolted together with butt couplings.

EZDrive™ System—Shaft mounted gearmotor located near center of each zone. 1/2 HP - 3 PH 60 Hz. Totally enclosed fan cooled. 208/230/460 V (specify voltage). EZDrive™ Single Output Disconnect Panel containing motor starter and power leads.

DRIVE CHAIN—No. 40 roller-to-roller.

CHAIN GUARD—Formed steel guards totally enclose drive chains.

ACCUMULATION ZONES—60 in. long.

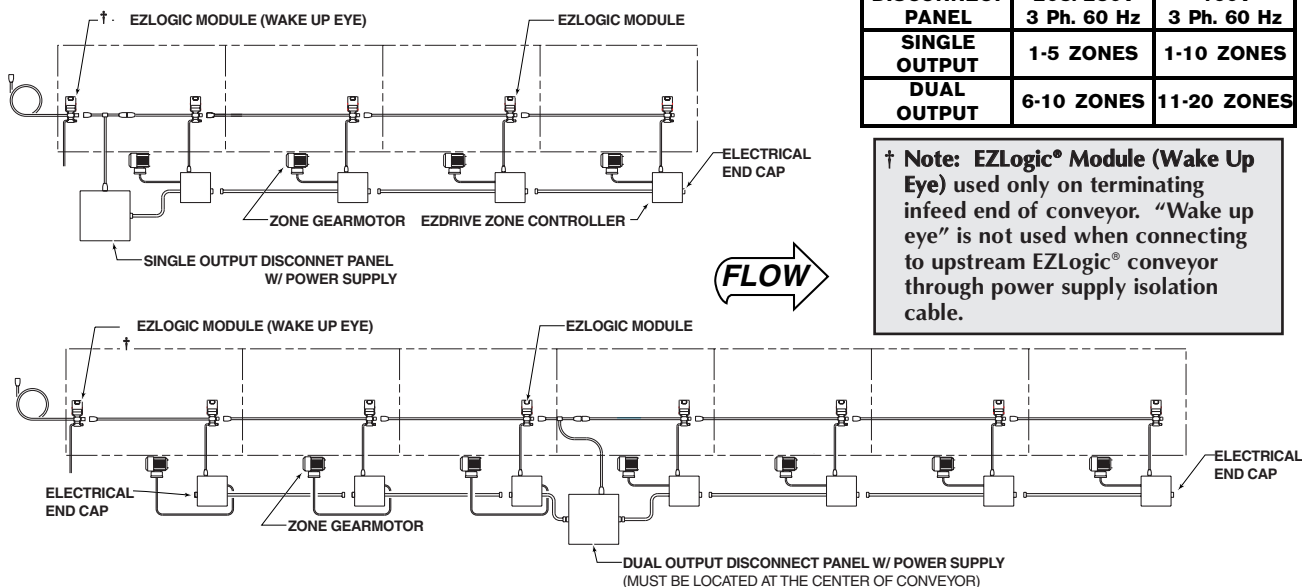
EZLogic® ACCUMULATION MODULE—Located in each zone (Diffuse). UL and CSA approved.

BEARINGS—Sealed, pre-lubricated ball bearings.

CONVEYING SPEED—Constant 30 FPM.

CAPACITY—Maximum load per linear foot of conveyor 1000 lbs. Maximum unit load 3000 lbs per zone.

FLOOR SUPPORTS—Now supplied as optional equipment.



DISCONNECT PANEL	208/230V 3 Ph. 60 Hz	460V 3 Ph. 60 Hz
SINGLE OUTPUT	1-5 ZONES	1-10 ZONES
DUAL OUTPUT	6-10 ZONES	11-20 ZONES

† Note: EZLogic® Module (Wake Up Eye) used only on terminating infeed end of conveyor. "Wake up eye" is not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

EZLogic® Accumulation System

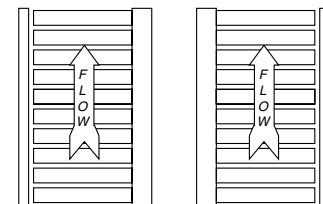
Hytrol's EZLogic®, or "Electronic Zero-pressure Logic" Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-pressure accumulation of product

Zone Stop function is built in! Any zone may be transformed into a workstation by connecting the EZLogic® Accumulation Module to any dry contact type switching device. The feature is always used at the **discharge end** of the conveyor line, and may be used at any other location where a zone stop is required.

Zone On delay timer delays the zone immediately upstream from a removed load, from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Sleep Mode stops tread rollers from turning when no product is present, reducing noise and power consumption which extends conveyor life.



RH CHAIN
GUARD
(STANDARD)

LH CHAIN
GUARD

Optional Equipment

FLOOR SUPPORTS—HSA Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSA-6 support.

BELT ON ROLLERS—Belt mounted on top of roller to evade slip sheets, contact factory.

CONVEYING SPEED—Other constant and variable speeds available, contact factory.

ACCUMULATION ZONES—4 in. roller centers, 32 in. to 120 in. on 4 in. increments. 6 in. centers, 30 in. to 120 in. on 6 in. increments. Frame length changes with zone length.

DRIVE CHAIN—No. 60 roller-to-roller (6" Roller Centers Only)

STRUCTURAL CHANNEL FRAMES

TREAD ROLLERS—2-5/8 in. dia. x 7 ga. steel, 11/16 in. hex spring-loaded shaft.

EZDrive® System:

- Dual Output Disconnect Panel
- Variable Frequency Speed Controller—for adjusting conveying speed or adjusting acceleration and deceleration time.
- Soft Start Controller—for adjusting acceleration and deceleration time.

EZ-Logic :

- Zone stop connector cable - Attaches to any zone module. It requires a "dry contact" type input signal. Closed for zone stop.
- Power supply isolation cable - Used when joining conveyors with separate power supplies.
- Accumulation module with photo eye output - Used to supply "dry contact" photo eye output or to accept a voltage type zone stop input.
- Retroreflective type module - Mounts to sides of conveyor.