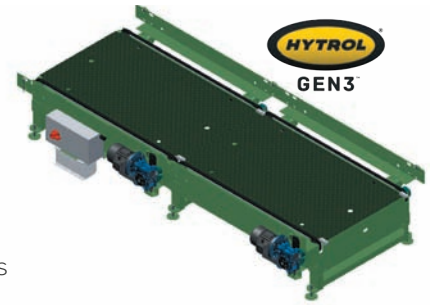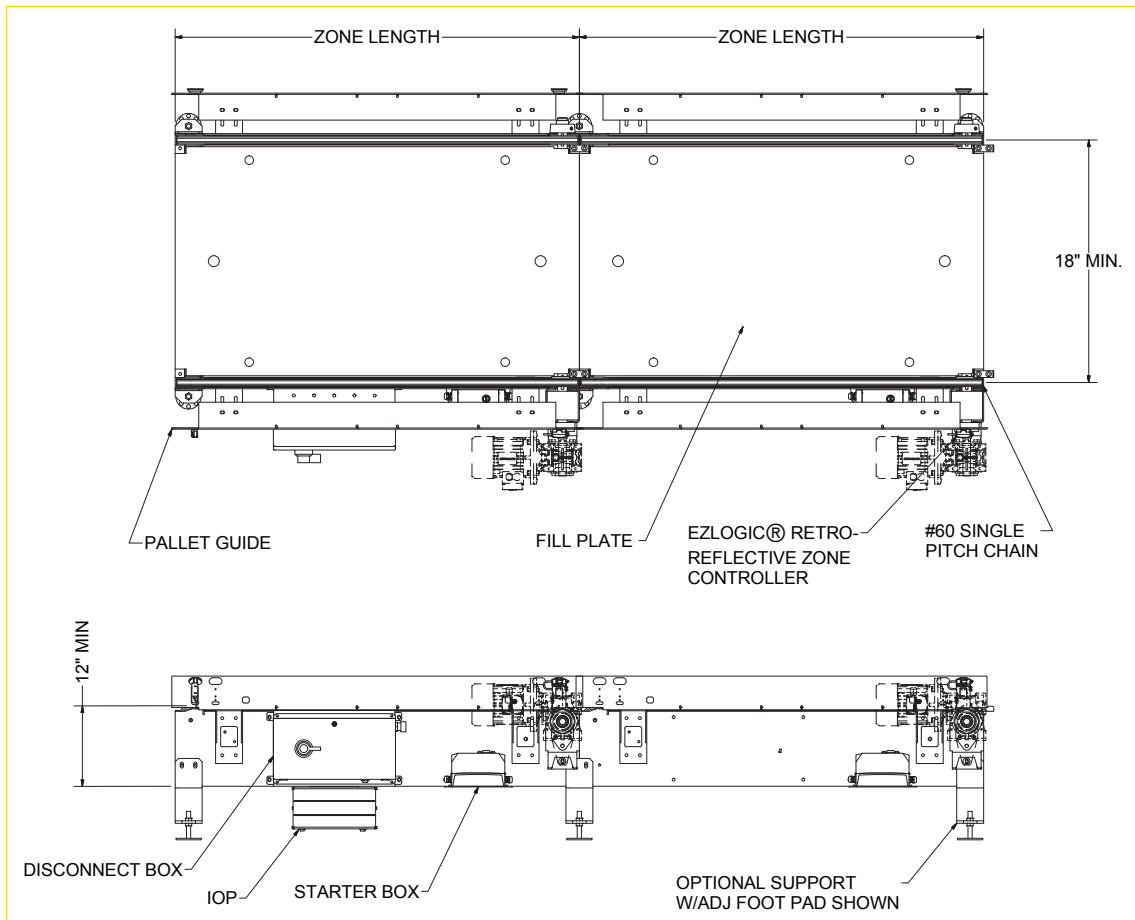# DCEZD-62

Accumulating Drag Chain Conveyor

GEN3

The model DCEZD-62 is a two strand drag chain conveyor designed to handle pallets. With EZLogic® Zone Controller, pallets are accumulated with zero-pressure, reducing the possibility of collision that may result in product damage.

- 2 Strand Design
- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Modular Assembly
- Adjustable DCS-Type Floor Supports Available

Overall Length "A"	Frame Width	19 7/8"	22 7/8"	25 7/8"	28 7/8"	31 7/8"	34 7/8"	37 7/8"	40 7/8"	43 7/8"	46 7/8"	49 7/8"
	Strand Centers	18"	21"	24"	27"	30"	33"	36"	39"	42"	45"	48"
10'	Weights (lbs.)	615	641	667	694	720	748	774	801	827	851	880
Per Foot Weight		62	64	67	69	72	75	78	80	83	85	88

ZONE LENGTH · ZONE LENGTH

18" MIN.

12" MIN

PALLET GUIDE · FILL PLATE · EZLOGIC® RETRO-REFLECTIVE ZONE CONTROLLER · #60 SINGLE PITCH CHAIN

DISCONNECT BOX · IOP · STARTER BOX · OPTIONAL SUPPORT W/ADJ FOOT PAD SHOWN

DCEZD-62

Standard Specifications

CHAIN – #60 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 11 1/8 in. x 7 ga. powder-painted formed steel angle. 7 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKET – Hardened #60 with 1 7/16 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

EZLOGIC® ZONE CONTROLLER – Located in each zone. NEMA 1, 2, IP62. UL Approved.

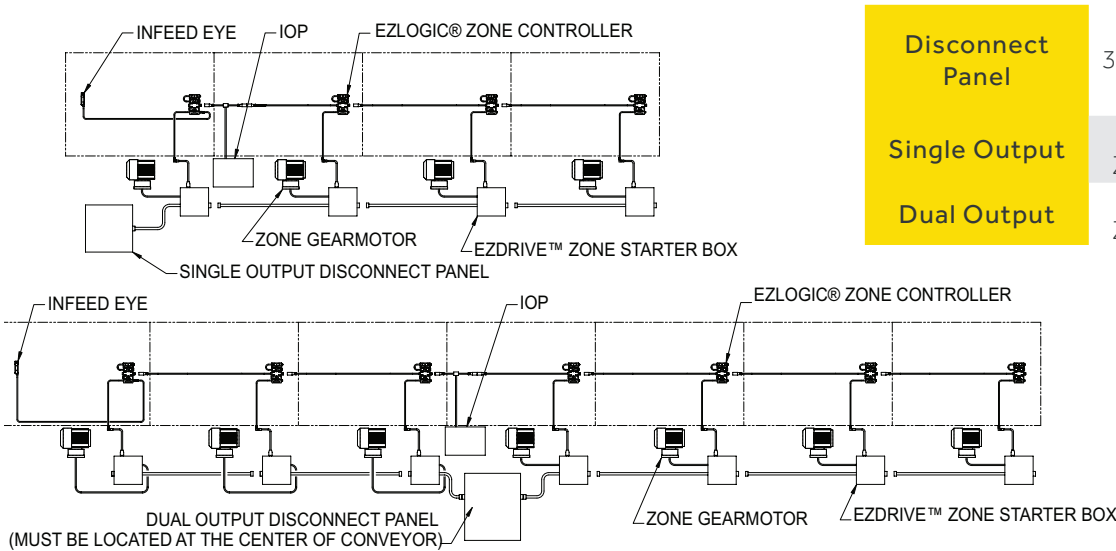**ACCUMULATION ZONES** – 60 in. long sections with EZLogic® Accumulation.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

MOTOR – 3/4 HP, 230/460/575V, 3 Ph. 60 Hz. gearmotor, shaft-mounted at discharge end of zone.

CONVEYING SPEED – 30 FPM.

CAPACITY – 3,000 lbs. maximum per zone at 30 FPM.

FLOOR SUPPORTS – Supplied as optional equipment.

INFEED EYE   IOP   EZLOGIC® ZONE CONTROLLER
ZONE GEARMOTOR   EZDRIVE™ ZONE STARTER BOX
SINGLE OUTPUT DISCONNECT PANEL

Disconnect Panel	230V 3 Ph. 60 Hz	460V 3 Ph. 60 Hz
Single Output	1-4 Zones	1-8 Zones
Dual Output	5-8 Zones	9-16 Zones

INFEED EYE   IOP   EZLOGIC® ZONE CONTROLLER
DUAL OUTPUT DISCONNECT PANEL (MUST BE LOCATED AT THE CENTER OF CONVEYOR)   ZONE GEARMOTOR   EZDRIVE™ ZONE STARTER BOX

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

DCEZD-62

Optional Equipment

FLOOR SUPPORTS – DCS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

ACCUMULATION ZONES – 48 in., 54 in., and 66 in. intermediate sections with EZLogic® Accumulation. Contact factory for other lengths.

CONVEYING SPEED – Speeds other than 30 FPM will require gearmotor change (contact factory).

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components Page.

DCEZD-62

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 a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This 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.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - **Zone On Delay** – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.