The Model DCEZ-83 is a three 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.

- 3 Strand Design
- EZLogic® Accumulation System (Diffuse)
- 10 Widths
- Modular Assembly
- Adjustable DC3S and DCDS-Type Floor Supports Available

**HOW IT WORKS**

The conveyor is made up of drive, intermediate and tail sections on which three strands of #80 single-pitch chain travel. Each strand is a continuous loop and driven by a common drive shaft. Hytrol’s EZLogic® Zone Controller sense product presence and control the accumulation and release of product from the zones. To accumulate products accumulation lift pads are activated which lift the product off of chain strands.

**IMPORTANT NOTE:**

Do not operate DCEZ in sleep or slug mode.

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**Drag Chain Conveyor**

**PRODUCT INFORMATION**

**FRAME WIDTH**

<table>
<thead>
<tr>
<th>OVERALL LENGTH &quot;A&quot;</th>
<th>STRAND CENTERS</th>
<th>24&quot;</th>
<th>27&quot;</th>
<th>30&quot;</th>
<th>33&quot;</th>
<th>36&quot;</th>
<th>39&quot;</th>
<th>42&quot;</th>
<th>45&quot;</th>
<th>48&quot;</th>
<th>51&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRAND WIDTH</td>
<td>50 1/2&quot;</td>
<td>56 1/2&quot;</td>
<td>62 1/2&quot;</td>
<td>68 1/2&quot;</td>
<td>74 1/2&quot;</td>
<td>80 1/2&quot;</td>
<td>86 1/2&quot;</td>
<td>92 1/2&quot;</td>
<td>98 1/2&quot;</td>
<td>104 1/2&quot;</td>
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</tbody>
</table>

**WEIGHTS (Lbs.) based on 60" Frame Lengths**

| 12" WEIGHTS | 77 80 83 86 89 92 95 98 101 104 |

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.
• STANDARD SPECIFICATIONS

CHAIN – #80 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 6 in. x 4 ga. powder painted formed steel angle with 2 in. x ¾ in. wall, chain support tube. 4 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKETS – Hardened #80 with 1 ½ in. dia. steel shaft.

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

ACCUMULATION ZONES – 36 in., 42 in., 48 in., 54 in., 60 in., and 66 in. long intermediate sections with EZLogic® Accumulation (Diffuse). Contact factory for other lengths. (Drive Section minimum 60 in. long.)

EZLogic® ZONE CONTROLLER – Located in each zone (Diffuse). NEMA 1, 2, IP62. UL Approved.

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

AIR REQUIREMENTS – Recommended working pressure 60 P.S.I. Free air consumption at 75 P.S.I. - 1.0 cu. ft. per actuation for 24 in. & 27 in. strand centers - 1.5 cu. ft. per actuation for 30 in. - 51 in. strand centers.

FILTER, REGULATOR – Supplied for main air supply line (½ in. NPT port). Includes pressure sensor.

MOTOR – 2 HP – 208/230/460/575V– 3 PH. 60 HZ. gearmotor, located underneath in 5 ft. long module.

CONVEYING SPEED – 30 FPM.

CAPACITY – 12,000 lbs. maximum at 30 FPM (2 HP maximum). NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Now supplied as optional equipment.

• OPTIONAL EQUIPMENT

FLOOR SUPPORTS – DCDS and DC3S 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.

CLOSED TAIL – Overall length will be affected.

MOTORS – Energy efficient, 3 HP maximum.

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

ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starter – push-button stations.

EZLogic® – See EZLogic® Components Page.