



**TECHNICAL DATA SHEET: Powered Roller Conveyors 10Ft / 20Ft**



**Features:**

- Comprise of powered roller beds with full width 133mm diameter steel rollers mounted to fabricated frames.
- Rollers are supported in self aligning bearings bolted between two rolled steel channels which project 50mm above the top of the rollers to form guides.
- The gap between rollers on conveyor deck can be fitted with infills for safety where operator access is required
- Bi-directional for flexibility and redundancy

**Description:**

Powered roller conveyors can be used to transfer freight to and from the a cargo system to airside dolly docks or Landside Truckdocks. They are often used in systems to enable transit of ULDs to Elevating Transfer Vehicle (ETV) or Transfer Vehicle (TV) or can be used as a queuing conveyor lane for temporary storage.

**Technical Data:**

Load Capacity	< 6,800kgs per 10ft section, <13,600kgs per 20ft
Roller diameter	133mm
Transfer Speed	18 metres per minute (60ft/minute) in both directions
Power Drive	1.1kW braked electrical motor and gearbox chained via sprockets to the rollers.

**Specifications:**

Photo sensors are installed at the ends and centers of the decks to control safe load unit movements. Photo sensors identify the pallet base and winged pallet/containers overhang where appropriate. The use of a centre sensor also provides enhanced handling capability and can provide temporary storage for 2 off 10ft pallets on a 20ft conveyor.

The drive motor is supported on a drive assembly framework bolted under one of the side members with adjustment for the drive chain.

A simple method of disconnection is provided to release the motor/gearbox brake in the event of supply failure.

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