

# Z-TURN™

BELT POWER CURVES

SMALL • INSIDE • RADIUS • CURVE

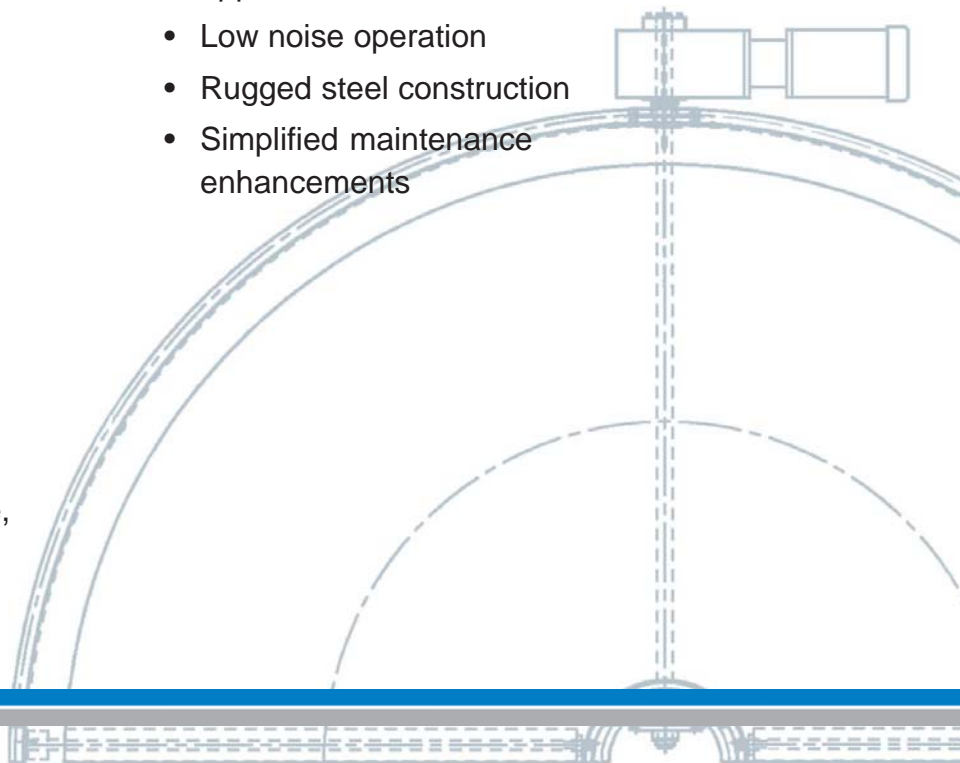


## 180 degree Belt Power Curve for Compact Spaces

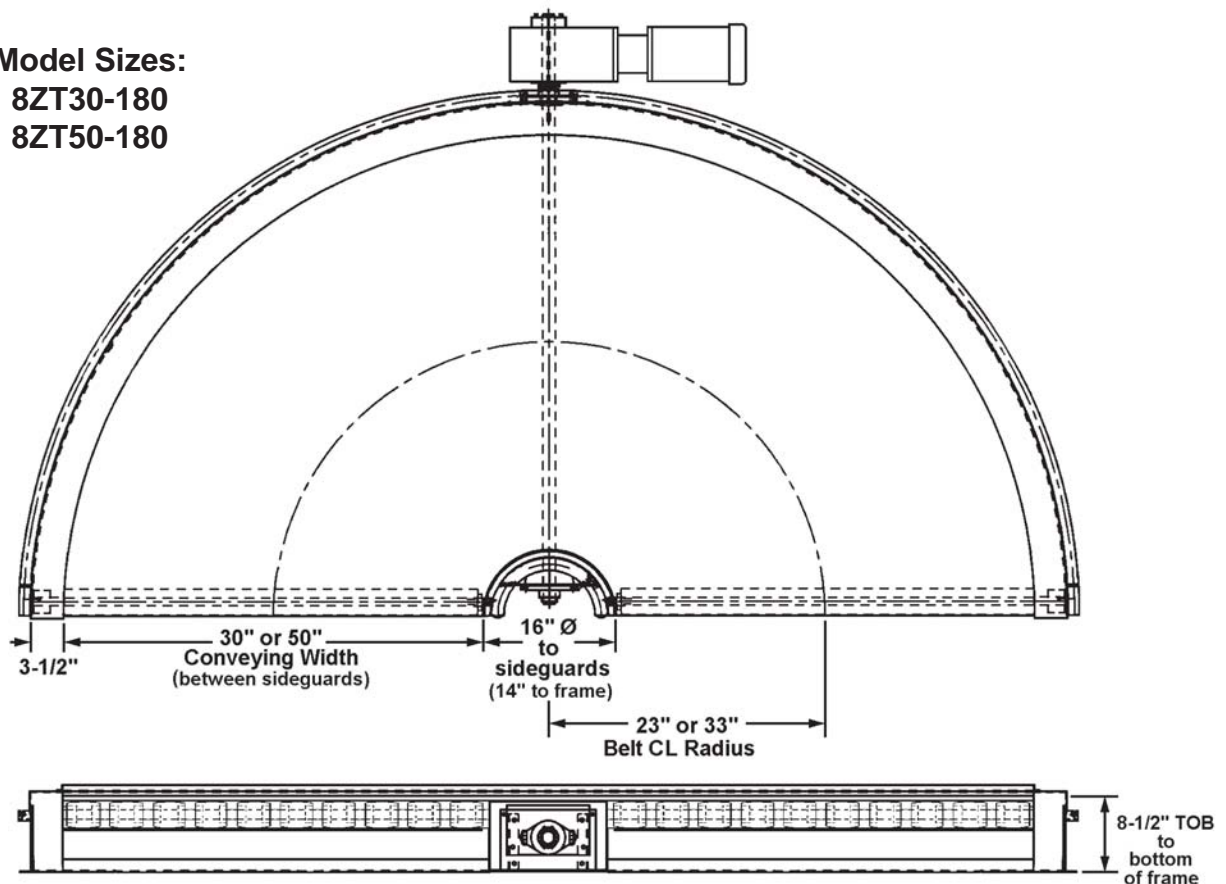
### Proven Portec Technology

- Small inside radius for space-saving conveyor layout
- Cylindrical end rolls for outstanding product transfers
- Bi-directional operation
- Positive drive belt system means no end roll slip
- Low belt tension for long component life
- Custom designed for your specific application
- Low noise operation
- Rugged steel construction
- Simplified maintenance enhancements

Portec invented the Belt Power Curve over 50 years ago. With over 70,000 belt curves in service, we have the experience you can depend upon.



**Model Sizes:**  
**8ZT30-180**  
**8ZT50-180**



### Standard Features

**Conveyot Drive system:** A unique 16 tooth center sprocket (patent pending) drives a precision sidebow chain that is attached to the edge of the conveyor belt. The positive drive system both drives and tracks the belt. It is fully bi-directional and the drive can be mounted either on the inside or outside radius.

**Belt drive chain:** #50 sidebow steel chain with belt attachment links; design load 640 lbs.; ultimate strength 5420 lbs.; optional nickel plated chain for special applications

**Conveyor belt:** 2-ply Black PVC-OP belt is standard. A wide range of optional belt materials is available for special applications. Laced belt seams are standard for quick belt changes.

**Frame construction:** All-steel frame and slider bed.

**Drive shaft:** Turned, ground and polished 1045 or 1144 stress-proof steel

**Drive shaft bearings:** Precision, sealed for life, and fitted in a cast iron housing. Grease fitting for the self-aligning feature. Nickel-plated housings are available as an option.

**End rolls:** The 3.15" diameter segmented end rolls are cylindrical for outstanding product transfers.

**Return wheels:** Rubber tire-style return wheels have precision bearings for quiet operation and long life.

**Paint:** DTM (direct to metal) gloss white enamel paint. A wide range of optional colors and paint types are available.

**Performance:** Loads up to 40 lbs./ft. and belt speeds up to 170 fpm @ centerline.