



**TSE INTERNATIONAL, INC.  
MODEL PTV-100-72-SLRC TRAILER MOUNTED  
SINGLE "V" GROOVE PULLER/TENSIONER FINAL TIER 4**

**Performance**

- \* Continuous line pull rating of 10,000 lbs.; 11,000 lbs. intermittent.
- \* 0-4 m.p.h. pulling speed with infinite speed control.
- \* Pulling and tensioning operations are completely hydraulic controlled.
- \* Pulling and tensioning is done with a single 72-inch diameter "V" Groove Bullwheel.

**Reel Capacity**

- \* Maximum reel diameter capacity is 96 in.
- \* Maximum reel width capacity is 53 in.
- \* Maximum reel weight capacity is 11,000 lbs. road travel.
- \* Maximum reel weight capacity at the jobsite is 16,000 lbs with the rear jacks extended.
- \* Reel is hydraulically self-loading with the control near the reel lift.

**Engine**

- \* 173 HP water-cooled diesel engine (final tier IV) with a 12-volt electric starter, keyed ignition, throttle, ammeter, and oil pressure indicators.
- \* 40-gallon fuel tank with level gauge.
- \* Lockable steel battery box.

**Hydraulic Bullwheel Drive**

- \* The Bullwheel drive incorporates a spring applied-hydraulic released holding brake rated at 150% of the maximum rated torque. The brake applies automatically in the event of loss of hydraulic pressure or engine shutdown.
- \* Piston type hydraulic motor and gear reducer with final chain and sprocket drive.
- \* Manual holding brake control.
- \* Fully hydrostatic drive system with infinite speed and tension control.

**Hydraulic Reel Drive**

- \* The reel drive incorporates a spring applied-hydraulic released holding brake rated at 150% of the maximum rated torque. The brake applies automatically in the event of loss of hydraulic pressure or engine shutdown.
- \* Piston type hydraulic motor with final chain and sprocket drive.
- \* Manual holding brake control.
- \* Fully hydrostatic drive system with infinite speed and tension control.
- \* Levelwinding of the reel is accomplished via the bullwheel swinging and may be controlled either automatically or manually.

**Control Console**

- \* The console is positioned to the left of center of the trailer's tongue for optimum operator visibility and safety. It includes:
  - Permanently engraved panel.
  - Hydraulic pressure gauge.
  - Reel and bullwheel drive direction and speed controllers. Includes positive stops between Pull in and Pay out setting.
  - Adjustable line Pull/tension controllers.
  - Reel and bullwheel holding brake controllers.
  - Line Pull chart for estimating line Pull or tension.
- \* Operator's welded wire protective screen.
- \* Deluxe, padded operator's seat with horizontal and vertical adjustments.

### **Trailer and Undercarriage**

- \* Tandem axle set with 30,000 lbs. capacity (33,000 GVWR), spring leaf type with electric brakes. Unit is suitable for both highway and right-away towing.
- \* Two break away safety chains with hooks.
- \* Four tires to accommodate the total capacity needed for the unit.
- \* LED highway lighting with a dual tail light system, one for turn light and one for brake light.
- \* Reflective tape as required by NHTSA.
- \* Reversible pintle with safety chains.
- \* Hydraulic front jack controlled from a position near the jack.
- \* Two hydraulic rear jacks controlled from a position near the jacks.
- \* The trailer frame and tongue is constructed of tubular steel and is fully welded.
- \* Heavy-duty checker plate fenders with mud flaps.
- \* The unit is sandblasted, primed and painted with two coats of polyurethane finish paint.

### **Additional Options**

- \* Model 8452 steel overhead pulling reel with 84" diameter, 44" between flanges and 36" core. The reel has rolled flanges for maximum rope protection
- \* 11,000' x 1 inch diameter TSE Water Moccasin pulling rope having a breaking strength of 46,900 lbs. (Installed on 8452 reel under tension).
- \* TSE Pulling grip installed on the pulling rope.
- \* TSE SW-17 pulling swivel (10,000 lb.) (Quantity 1)
- \* Model 8436 steel breakaway reel specifically for winding in and banding old conductor on reconductoring operations. (One set of arbor bushings included)