



# CTE-4DPT-4K FOUR DRUM PULLER TENSIONER

WITH 4,000 LB. CAPACITY



# SPECS

## 2022 CTE-4DPT-4K Four Drum Puller Tensioner with 23,000' x 5/8" Yale PE12 Rope Per Drum

Custom Trucks NEW! Four Drum Puller offers several features not offered by any other on the market; 4,000 lbs. of Hydraulic Pull & Tension ability on a full drum. The advanced features in this machine offers the operator ease to control the pulling and tensioning operations safely

- 4,000 lb. Hydraulic Pulling Force, (4,500 Intermittently)
- 4,000 lb. Hydraulic tensioning force without needing to freewheel the drums.
- Light Hydraulic Tension mode for flying in ropes; adjustable minimum and maximum braking force applied with joystick brake control
- Drum freewheel mode without having manual locking dogs. No manual touching of the pulling drums to engage or disengage
- Wide Band Style Drum Brakes that offer smooth controlled braking at high and low speed without the heat and glazing problems that come with small hydraulic caliper / bronze disc brake systems.
- Fail safe spring operated parking brake that requires no power to apply and will hold the load.
- Hydraulic Raising cab offering the operator more clear vision of the rope drums during the stringing operations.
- Overall Length - 25'10" Width - 8'6" Height - 10'9" (with front jack down) Weight - 38,040 lbs. GVWR - 46,000 lbs.

### STANDARD FEATURES – PULLER

- Pulling Capacity - 4,000 lbs. rated at top of drum (4,500 lb. intermittently) Average Speed - 5.5 mph
- Tensioning Capacity - 4,000 lbs. hydraulically, up to 10 mph, drum freewheel not required.
- Pulling Drum Capacity - 23,000 ft. of standard 5/8" synthetic rope Standard - No need for expensive, high strength, small diameter rope
- Drum Tension Brakes - Wide Band Style Drum Brakes that offer more controlled braking at high and low speed without the heat and glazing problems that come with small hydraulic caliper / bronze disc brake systems
- Adjustable air brake controls for fine "over spin" and course for "stopping drums" located on operator counsel for comfortable operation
- Spring Parking Drum Brakes "Fail Safe" require no power to set and will automatically set if air pressure drops unexpectedly
- Max Tension Speed 15 mph (in freewheel braking mode)
- [3]Tensioning Modes - can be selected by the operator from the operator control screen LIGHT/NORMAL/FREE WHEEL. Light for Helicopter string operations/Normal for everyday tensioning /Freewheel for the lightest tensioning. Air brakes can be used in conjunction with all tension operations.
- Light Tensioning Mode - limits the max and min brake force that can be applied to the joystick assuring brakes are not over-applied potentially putting the helicopter into a dangerous situation. The air foot brake pedal can also assist in stopping if needed.
- Pulling Drums - (4) Flange Diameter: 68 in. Diameter: 20 in. Width: 25 in. wide with smooth radius edges to protect abrasion of ropes
- Level wind - (4) Post type telescopic with swing-out top roller, hydraulically operated from cab joystick with variable speed control
- Drive System - Variable Displacement Hydraulic pump and motor direct coupled to a high ratio Planetary gear box
- HD Chain and Sprockets drive the pneumatic clutch to engage and disengage pulling drums. This allows smooth transition from pulling to freewheel by the operator. No manual engaging of the drums to engage or disengage.
- 74 hp Tier IV Final water-cooled diesel engine with 30 gallon fuel tank and 30 gallon hydraulic tank

### CAB & OPERATOR CONTROLS

- Fully Enclosed Cab with climate control-heat, air conditioning and lights and large captains chair
- 12" Touch Screen allows the operator to see and adjust the pulling & tensioning forces and max speed before and during operation
- Joystick thumb switches allow the operator to preset and make fine adjustments to pulling and tensioning force and levelwind speed
- Live pull/tension forces display speed and distance via 12" touch screen with color code that matches rope colors
- operator screen that displays that a drum is engaged or disengaged
- Single stick pay in - pay out drum control including thumb switch to increase decrease pull & tension settings
- Single stick armrest mounted level wind control with thumb switch for speed control of level wind
- 12V Outlet for communications radio and antenna and USB Charging plug
- Brake controls - foot pedal braking (similar to a truck) and fine overspin control with four separate parking brakes
- Stainless front cab screen to protect operator and fold up ladder and wide expanded metal operator access steps to cab

\*Custom Truck One Source reserves the right to change the specification of any unit at any time without prior notice. This brochure is only a statement of general specifications on the date of this publication.

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