



**TSE INTERNATIONAL, INC.
MODEL DP-20-4H TRAILER MOUNTED FOUR DRUM PULLER**

Performance

- * Continuous torque rating of 31,000 in.-lbs., Intermittent of 37,000 in.-lbs.
- * Continuous line pull capacity of 2,000 lbs. at full reel.
- * 0 - 3 miles per hour line speed with infinite speed and inching control.
- * 3,000 PSI maximum hydraulic pressure at full performance.

Reel

- * Four pulling reels with individual clutch control to each reel.
- * Each reel is 33" in diameter, 32 1/2" between the flanges with a 12-3/4" core.
- * Each reel has a capacity for 6,000 ft. of 1/2" or 8,500 ft. of 7/16" diameter rope.
- * Free wheeling reels with individual bronze disc brakes and manual calipers on each reel for controlling rope payout.
- * The reel shaft is mounted on replaceable ball bearings with grease fittings for smooth operation and long life.
- * Automatic diamond lead screw levelwind, with a urethane lined sheaves, adjustable for individual use with all four reels.

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.
- * Manual holding brake control.
- * Variable displacement hydraulic pump drive system with infinite speed control.
- * Hydraulic oil cooler to ensure uniform heat dissipation.
- * 25 gallon hydraulic reservoir with a bottom drain port, oil level and temperature gauges.

Engine: Yanmar 3TNV88

- * 35 HP water cooled, diesel, with 12 volt electric starter, keyed ignition, throttle, ammeter, and oil pressure lights.
- * 12 gallon fuel tank with level gauge.
- * Heavy duty 12 volt battery.
- * Lockable steel battery box.
- * Direct mount hydraulic pump drive.
- * Engine Hour meter.

Control Console

- * The console is positioned in the center of the trailer's tongue for optimum operator visibility and safety. It includes:
 - Permanently engraved panel.
 - Hydraulic pressure gauge and decal chart to estimate pounds of actual line pull.
 - Reel direction and speed controller. Includes a positive stop between Pull in and Pay out setting.
 - Adjustable line Pull pressure controller.
- * Operator's welded wire protective screen.
- * Deluxe, adjustable operator's seat and backrest.

Trailer and Undercarriage

- * Single axle with 8,000 lbs. capacity, spring leaf type with electric brakes and a break away switch.
- * Two breakaway safety chains with hooks.
- * Two 215/75R17.5 tires each having a capacity of 4,020 lbs.
- * Standard highway lighting with a dual tail light system, one for turn light and one for brake light.
- * Reflective tape as required by NHTSA.
- * Heavy duty, crank type, drop leg mechanical tongue and pin type rear jacks.
- * 3" pintle hitch adjustable to 4 height positions.
- * 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

- * 8,500 ft. of TSE Superline, 12 braid, 7/16 in. diameter, and easy splicing type pulling rope installed on each reel under tension.
- * Pulling Grips installed
- * TSE Model SW-13 pulling swivel, 5,000 Lb. working load