

DIGGER DERRICK TRUCK TECHNICAL SPECIFICATIONS

1. **General Vehicle Specifications:** 47 foot Digger Derrick with hydraulic extending full capacity intermediate and upper booms. The vehicle shall meet standard specifications and include the following features:
 - a. Pole setting sheave height: 46.4 feet
 - b. Maximum horizontal reach from centerline of rotation: 37 feet
 - c. Digging radius from centerline of rotation: 17.9 to 26.7 feet
 - d. Lift capacity at 10 ft. radius: 12,340 lbs. (without optional equipment installed)
 - e. Boom articulation -20 to 80 degrees
 - f. Continuous rotation with high capacity worn gear drive gearbox
 - g. Insulated 46KV and below
 - h. Hydraulic overload protection system, which activates when the unit is exposed to an overload condition, and resets when overload condition is relieved. Overload protected functions include:
 - i. Boom lower
 - ii. Intermediate boom extend
 - iii. Third stage boom extend
 - iv. Winch raise
 - v. Digger dig
 - i. Load indicator gauge located at the main control panel
 - j. Electronic Controls
 - k. Foot throttle
 - l. Manual override of electronically controlled boom, winch, and digger functions at the main control valve
 - m. Standard/low speed selector
 - n. Proportional hydraulic control system
 - o. Hydraulic dump valve
 - p. Fiberglass third stage boom and boom tip with provisions for platform attachment
 - q. Transferable hydraulic pole guides and steel boom flares at the boom tip with adjustable alignment guides
 - r. Pole guide tilt interlock
 - s. Two part load line attachment point on the intermediate boom
 - t. Outriggers
 - u. Outrigger pads
 - v. Wheel chocks
 - w. Tool and equipment storage

2. Rear mount pedestal
 - a. Rear mount control seat with open view
3. Turntable mounted winch: Normal winch speed with 15,000lbs. bare drum capacity
 - a. Turntable winch speeds 34-47 fpm
 - b. Boom tip winch speeds 23-36 fpm
 - c. Load line swivel hook
4. Digger: two speed mechanical shift 12,000 ft.-lbs. to include all of the components necessary to operate digger, installed
5. Front mounted hydraulically operated winch to utilize wire take up reel and capstan accessories.