

# 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.