



PIPELAYER HYDRAULIC CONVERSION—Model CPC561

Designed for mounting on:
Caterpillar 561/571 Pipelayers



Designed to ANSI B30.14 Standards

The CPC561 hydraulic pipelayer drawworks conversion converts the Caterpillar 561 and 571 pipelayers from a mechanical to a hydraulically operated drawworks. The hydraulically driven planetary gear winches will provide smooth precise load handling capabilities with infinitely variable line speeds.

This conversion simplifies operator training and improves operational safety. The simple two lever control system reduces operator fatigue.

This package can be installed in Challenger Service's shop or shipped to the customers site for installation at his facility.

Drawworks Specifications

	561	571
Lift Capacity (at 4 feet)	40,000 lbs (18,182 kg)	60,000 lbs (27,273 kg)
Load Line		
Hoist	2 speed 3 part line	2 speed 4 part line
Hook speed	High: 57 fpm Low: 29 fpm	45 fpm 22 fpm
Boom Line		
Hoist	1 speed 3 part line 83 fpm	1 speed 3 part line 83 fpm
Cable Diameter	5/8 inches	3/4 inches (load line) 5/8 inches (boom line)

General Information

Winches

- Planetary type, 40 gpm @ 2,750 psi (151.4 lfm @ 189.7 bar).
- Hydraulic Brakes are automatic multiple oil disc type, spring applied and hydraulically released.
- Hydraulic boom stop.

Hydraulic System

- Gear type pump, 40 gpm @ 2,750 psi.
- Hydraulic tank—58 gallon capacity.
- Cartridge type filter.

Controls

- 2 functions: load line and boom line.
- Operation of the counterweight is unchanged

Options

- Quick drop on load line.

Shipping Weight

- Shipping weight of drawworks conversion is 1,500 lbs.