



Specification for 550 HP Rigs

Self propelled back-in carrier.

Manufactured with 18" 50 lb. Wide flange main beams. bumpers are 18", 50lb. wide flange construction with towing hitches on each.

The carrier also includes two, 18" walkways on driller's side, handrails and to guards. The carrier also includes four 50,000 lb. Hydraulic leveling jacks. A 4"x 4" construction headache rack for the derrick.

The lighting includes turn signals, headlights, side clearance lights, tail lights, and brake lights. All wires are routed in pipe conduit for protection.

One single man cab double wall and insulated. The cab is equipped with steering column and steering wheel, acceleration and brake pedals. Turn light switch, air ride with safety belt, dome light, and two windows.

The control panel consists of speedometer, transmission oil pressure, temperature, fuel, air pressure, engine oil pressure, engine water temperature and voltage gauges.

Running gear consist of two steering axles with reyco suspension 20,000lb. fl931 axles. hfb70 power steering box. rear tandem are Rockwell sshd with 52" Hendricks walking beams 46,000lb. Tag axle is link manufacturing air up and down suspension 25,000lb. Steering tires are 445/65r22.5. rear tires are 11r22.5.

Fuel tank

Two 100 gallon cylindrical aluminum

Tool boxes

Two 30" x 29" x 20" mounted on the underside of the carrier frame. one 32" x 20" x 45" box mounted on carrier deck.



Winch

12000lb. power master

Deadline anchor

Drum type anchor mounted to carrier

Engine

One Detroit diesel 60 series engine 475 hp @ 2100 rpm. engine includes, air filter alternator, muffler, 12v starter, air compressor, power steering pump, fan blade and clutch hub, radiator, water filter, transmission cooler.

Transmission

One transmission model# clt 5861-5 complete with drop box. two disconnects.

PTO

One Chelsea power takes off, transmission mounted, and pneumatically controlled.

Right angle gear box

One cooper style 550 hp gear box with 2.5:1 ratio, spiral

Mast dragon -104' 250,000# One telescoping mast constructed with 4x4 x ¼" square tubing. Hydraulically raised and hydraulic telescoping. The crown section is complete with hand rails and six sheave configuration. Also includes Geronimo escape line securing device. Two three stage am commercial shearing raising rams.

One commercial shearing scooping ram. The masts also equipped with block cradle. Three 24" fleet sheaves 1" grooving. One 24" sand line sheaves 9/16" grooving. Hook load 240,000#. Height 104ft. line string up: 4,6,or 8. 3" standpipe, four wind guy lines.

Draw-works- LANCO 550dd

Main drum. Drum size 16" x 37". lebus grooving 1" external drum clutch. twin disc po 324. drum brake size, 42" x 12" primary chain 2-140. Secondary chain 2- 140 splash water brake cooling system 48". Single assist brake.



Sand line drum

Drum size 16" x 37" smooth drum. Brake size 42" x 8". Chain size 2-140. water splash cooling. Clutch size twin disc. po224.

Drillers control panel

controls, and gauges are main drum, air slips hydraulic pump, gear selector, start switch, emergency stop, horn, winch, slips, assist brake, air pressure, and hydraulic pressure.

Air system

Engine mounted air compressor with 60 gallon air receiver system, and single air dryer.

Hydraulic system

180 gallon hydraulic oil tank with dual high flow filters. one commercial shearing 37 x 50 gallon per minute pump control valves for winch, bops, leveling jack, raising rams, scooping ram, driller platform, and regulator for tong circuit.

Electrical

12 volt electrical engine and light circuit system installed in steel piping where applicable.

Paint

To be designed by























