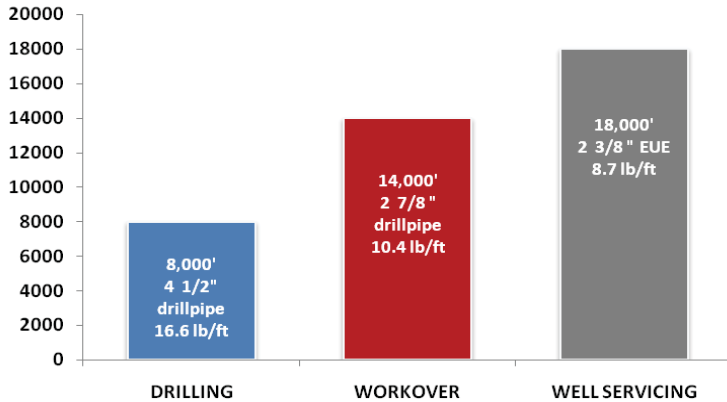




KES RIG 500 SERIES

Rig-155



Drawworks Model 550/42-12, 42-8

Main Drum

- > Demountable, forged steel brake rims are 42" diameter x 12" wide
- > Drum shaft diameter is 6 1/2"
- > Single line pull is 42,500 lbs.
- > Parmac Model 202 Auxiliary brake standard

Sandline Drum

- > Demountable, forged steel brake rims are 42" diameter x 8" wide
- > Wireline capacity per AOSC approved formula:
 - 14,400' of 9/16"
 - 11,800' of 5/8"
- > Outboard clutch for easy access
- > Water splash brake cooling
- > LEBUS grooving for main drum - 1" diameter
- > Parmac Auxiliary brake

Mast Model 104/250 (Double Tubing, Triple Rods per API 4F)

- > Four leg fixed base design allows fast positioning of rig before mast is raised. Clear height is 104' below crown.
- > Static hook load capacity:
 - on 4 lines 165,000 lbs
 - on 6 lines 250,000 lbs
- > Crossover crown with 36" fast line sheave plus 24" sheaves for cluster; 30" deadline. Sandline 9/16 x 24" sheave.
- > All sheaves mounted on Timken double row bearings
- > Racking platform capacity 22,200' of 2 7/8" EUE tubing
- > 1" wire line standard
- > Mast lights, rod hangers, work platform, standpipes, 24" sandline sheave

Drive Train

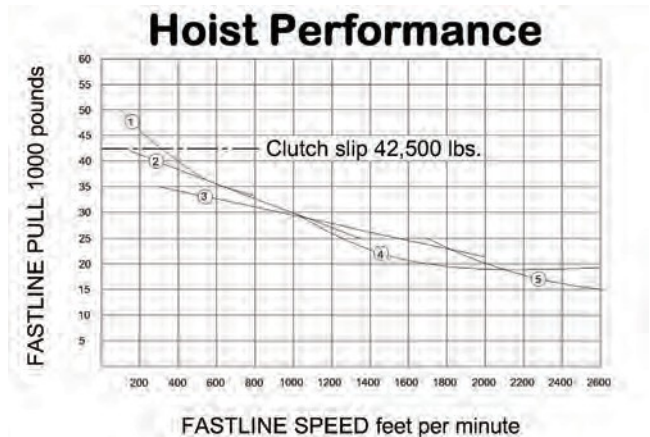
- > Detroit Diesel Series 60 14.0L (550 to 575 HP)
- > Allison CLT 6061 six speed automatic transmission

Carrier – Five Axle

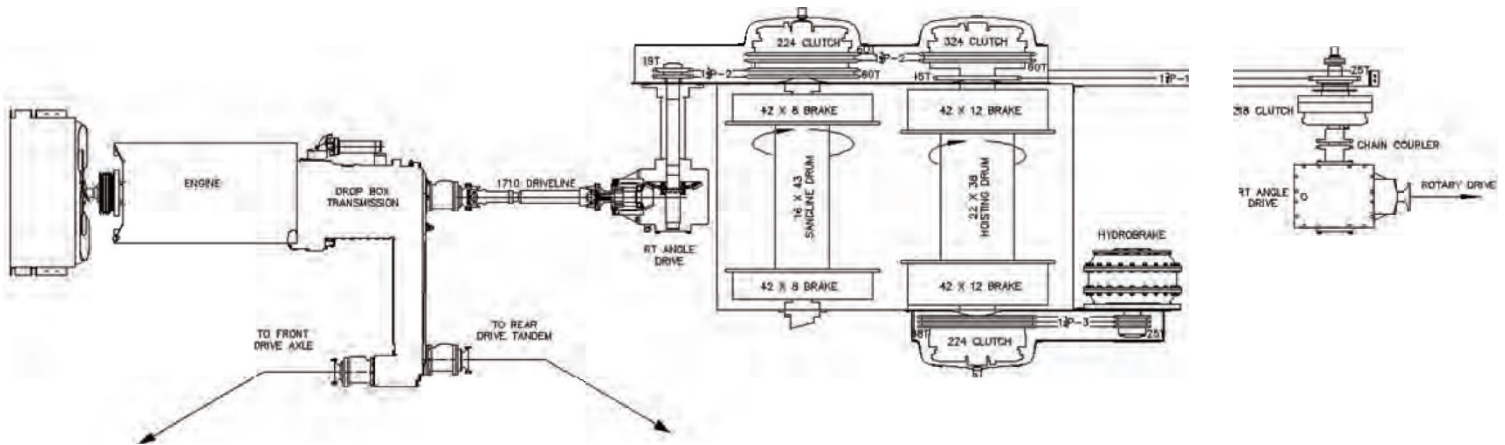
- > Front axles (rated at 22,000 lbs. each) have spring suspension
- > Rear tandem axles (rated at 50,000 lbs. total) have walking beam suspension
- > Third (non-driving) rear axle with air bag lift suspension is rated at 25,000 lbs. capacity
- > Three rear drive axles for off road

Controls and Hydraulic System

- > The console panel for all leveling jacks, mast raising and extending cyl., engine, transmission and main drum located at one position for simple, quick rig-up. Operator's console can be provided movable to 10'-6", 12', or 15' as required.
- > 50 gpm hydraulic pump for all rig hydraulics and tong operation
- > Filters provided on pressure and return lines
- > Hydraulic oil cooler for continuous use and hot climate applications
- > Dual 8,000 lbs. hyd. catline winch located at rear of rig
- > Hydraulic catworks for precise control of make-up and break-out torques
- > Folding platforms off operator side of rig
- > Spare line spool
- > Mast lite package



Power Flow Diagram



Vehicle Layout

