POWER FLOW
SPECS

Detroit Diesel S60 375HP
Allison 4500 OFS
Spicer 784
Falcon Rigs 550 HP
Right-angle Gear Box 2:1 Ratio
Wichita 124 Clutch
45 Tooth
60 Tooth
Wichita 224 Clutch
Kobelt 48x7 Single 5026 Disk Assist

RIG DIAGRAM

DETAILED ON FOLLOWING PAGE
Draw Works Model 350/42x12, 42x8

Main Drum
• Hardened overlaid demountable steel brake rims are 42in diameter x 12in wide.
• Drum shaft diameter is 6.5in. 1in wire line size standard.

Sand Line Drum
• Hardened overlaid demountable steel brake rims are 42in diameter x 8in wide
• Wire line capacity is 12,500ft of 9/16

Main Drum Features
• Water splash brake cooling
• Kobelt 5026 48x7 disc assist brake
• 1in Lebus grooving on main drum
• 124 Wichita Clutch on sand line drum
• 224 Wichita Clutch on main drum

Mast Model 96/180
(Double Tubing, Triple Rods)-(per API 4F)
• Four leg adjustable base
• Clear height is 96ft below crown
• Static hook load capacity on 4 lines 180,000lbs; 6 lines 205,000lbs
• 24in sheaves mounted on Timken double row bearings
• Racking platform capacity is 18,000ft of 2 7/8in tubing
• Hydraulic rams for raising and telescoping
• Adjustable work platform

Options
• Mast lighting
• Standpipes

Drive Train
• Standard Detroit Diesel Series 60 375hp (Caterpillar or Cummins optional)
• Allison 4500 OFS 6-speed transmission
• Spicer 784 Transfer Case
• Optional engine cover for weather protection

Carrier
• Standard four axle carrier
• Front axles (rated at 22,000lbs each) have spring suspension
• Rear axles (rated at 46,000lbs combined) have walking beam suspension
• All axles monitored by a Bendix Anti-Lock Brake System

Options
• Third (non-driving) rear axle with air bag lift suspension rated at 20,000lbs
• Hydraulically raised operator’s station

Controls and Hydraulic System
• Controls for all leveling jacks, mast raising and scoping cylinder, engine, transmission, main drum clutch, winch, and road to winch shifting are located in a stainless steel, control box for quick, easy rig-up.
• 50gpm hydraulic pump for all rig hydraulics and tong operation
• Filters provided on suction and return lines

Rig Options
• Hydraulic oil cooler for continuous use and hot climate applications
• Cold weather engine package with fuel, oil and coolant heaters
• Ventilated engine/transmission enclosure with removable doors