

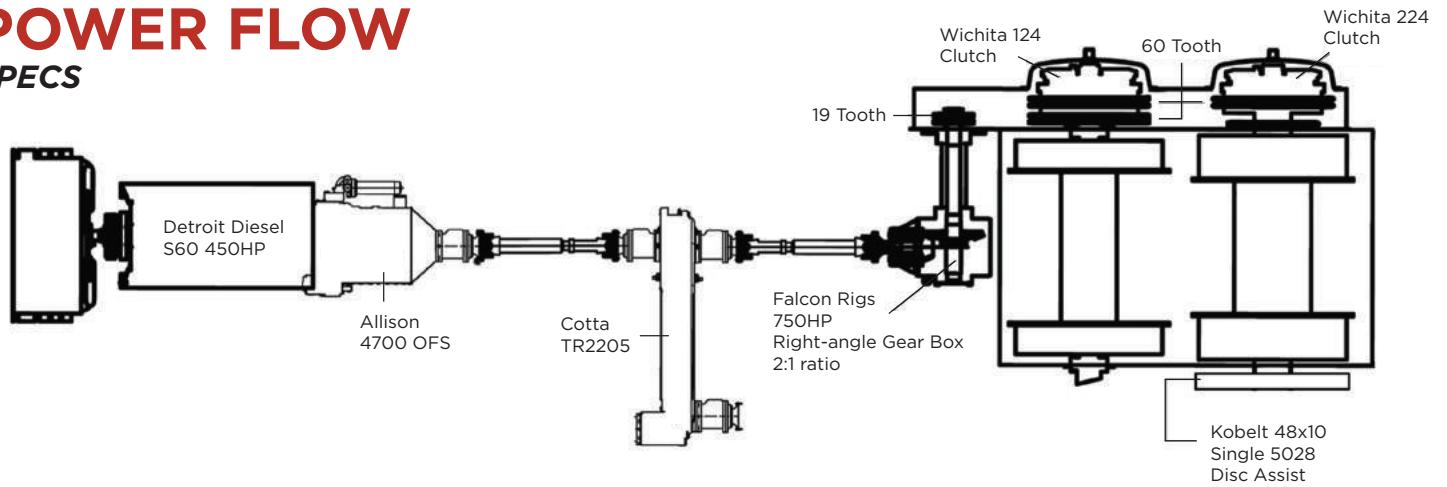


**FALCON
RIGS**

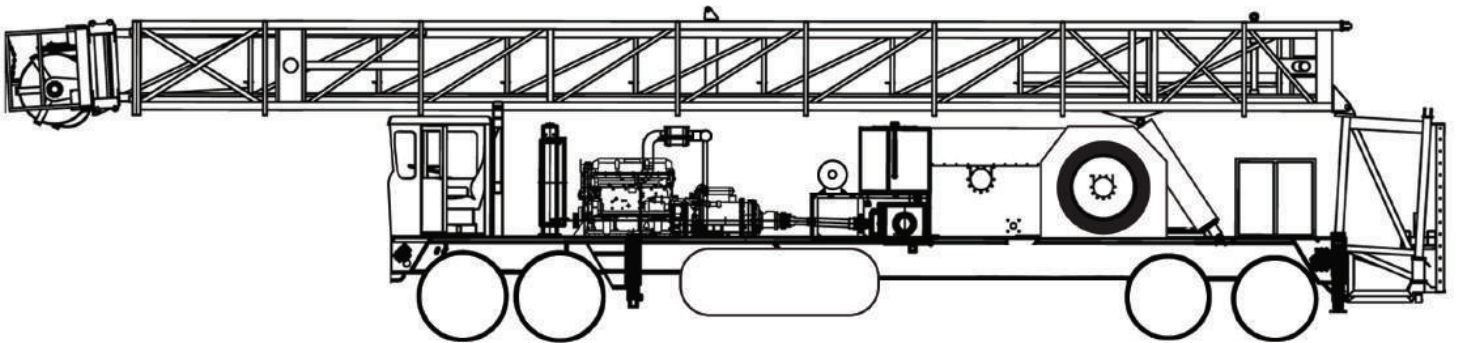


SR-450

POWER FLOW SPECS



RIG DIAGRAM





**FALCON
RIGS**



SR-450

Draw Works Model 450/42x12, 42x8

Main Drum

- Hardened overlaid demountable steel brake rims are 42in diameter x 12in wide. Drum shaft diameter is 6.5in. Single line pull is 37,500lbs with Lebus jacket and at the second layer of wire line. 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.

Draw Works Features

- Water splash brake cooling
- Kobelt 5028 48x10 disc assist brake
- 1in Lebus grooving on main drum
- 224 Wichita Clutch on sand line drum
- 324 Wichita Clutch on main drum

Mast Model 96/235

(Double Tubing, Triple Rods)-(per API 4F)

- 4-leg fixed base
- Clear height is 96ft below crown
- Static hook load capacity on 4 lines 180,000lb, 6 lines 212,000 lbs
- **Optional : 8 lines 235,000lbs*
- 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 450hp (Caterpillar or Cummins optional)
- Allison 4700 OFS 7-speed transmission
- Cotta TR2205 transfer case with oil cooler
- Optional engine cover for weather protection

Carrier

- Standard 4-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, clearly marked with laser etching, 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