

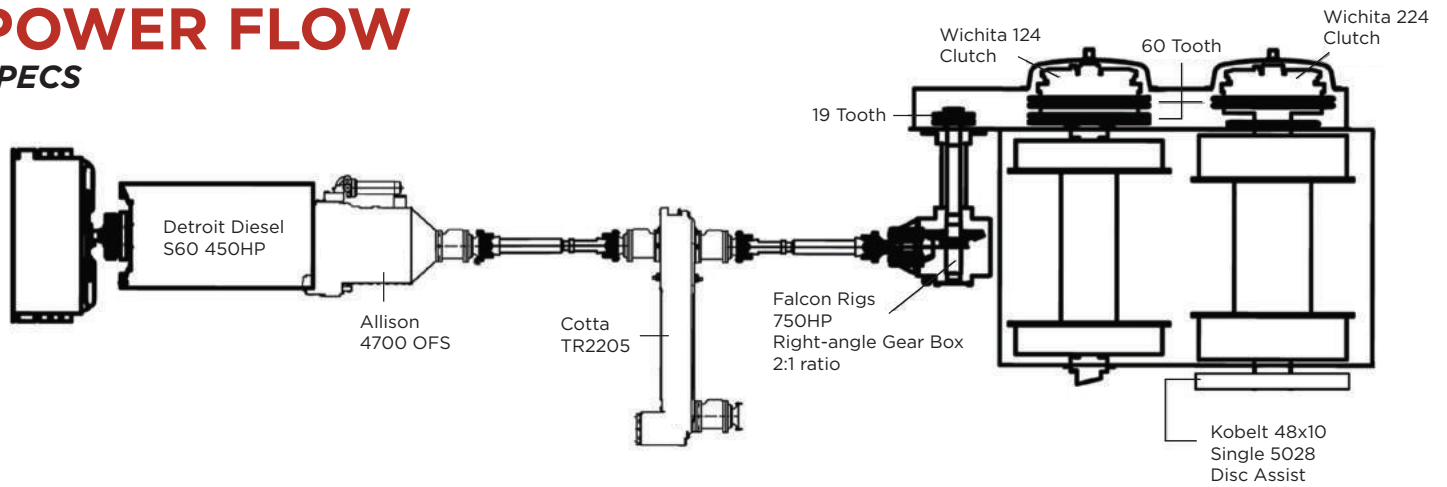


**FALCON  
RIGS**

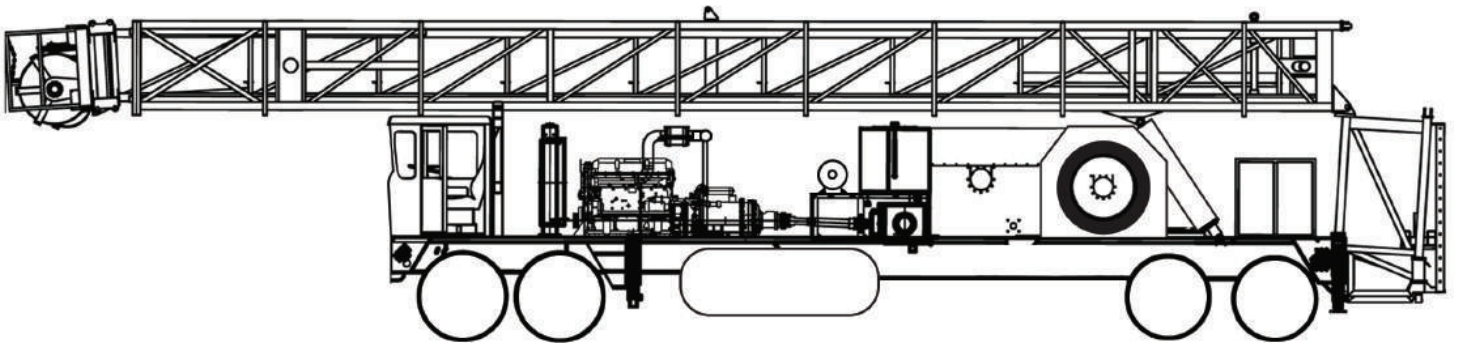


**SR-450**

## **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