POWER FLOW

SPECS

Cummins QSX 15 665HP
Allison M6610A
Cotta TR2205

Falcon Rigs 750 HP
Right-Angle Gear Box
2:1 Ratio

19 Tooth

Wichita 224 Clutch
60 Tooth

Wichita 324H Clutch

Kobelt 48x7
Twin 5026
Disk Assist

DETAILS ON FOLLOWING PAGE
Draw Works Model 650/42x12, 42x8

Main Drum
Hardened overlaid demountable water circulated steel brake rims are 42in diameter x 12in wide. Drum shaft diameter is 6.5in. 11/8in wire line size standard.

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

Draw Works Features
• Water splash brake cooling on sand drum
• Twin Kobelt 5026 48x7 disc assist brake
• 11/8in Lebus grooving on main drum
• 224 Wichita Clutch on sand line drum
• 324-H Wichita Clutch on main drum

Mast Model 104/300
(Double Tubing, Triple Rods)-(per API 4F)
• 4-leg fixed base
• Clear height is 104ft below crown
• Static hook load capacity on 6 lines 270,000lb
• 8 lines 300,000lb
• 36in fast line sheave
• 30in dead line sheave
• 24in sheave cluster
• All sheaves mounted on Timken double row bearings
• Racking platform capacity is 24,000ft of 2 7/8in tubing
• Hydraulic rams for raising and telescopig
• Adjustable work platform

OPTIONS
• Mast lighting
• Standpipes
• Optional Mast Models
• 108/300

Drive Train
• Standard Cummins QSX15 665hp (Caterpillar or Detroit Diesel optional)
• Allison M6610A 6-speed transmission
• Optional engine cover for weather protection

Carrier
• Standard 5-axle carrier
• Front axles (rated at 22,000lbs each) have spring suspension
• Rear axles (rated at 52,000lbs combined) have walking beam suspension
• Third (non-driving) rear axle with air bag lift suspension rated at 20,000lbs
• All axles monitored by a Bendix Anti-Lock Brake System

OPTIONS
• Fourth (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
• Standard Braden PD12 Service Winch

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
• Folding walkways on off-operator side
• Rotary drive package