



Technical Specifications

Details	EF-100
Rod Capacity – B-N-H (P optional)	●
Water Pump – FMC W1122BCD – 37 GPM@1,000 PSA (140 LPM @69 Bar)	●
Water Pump Drive – Hydraulic Motor	●
Drilling Fluid Mixer-In tub mud mixer hydraulically driven heavy duty polypropylene tub with bottom drain.	●
Instrumentation Panel-Complete with all warning lights, gauges and camera monitor for your wireless hoist	●
Drill Enclosure – Rigid steel tubing structure with half-inch plywood painted with high resistance paint, including company logos (Steel Drill enclosure optional)	●
Heavy Duty Rod Handler – Fully hydraulic with B-N-H-P capability including Cat Train.	●
Drill Head – 12HH of P size, DDM design including Safety Lockout guard with reduce Rod RPM	●
Chuck – Boyles 12HH (12.5 degree ~ 25,000lbs (11,339kg))(7 degree ~ 36,000 lbs (16,329kg)) capacity	-
Chuck – Boyles P size (12.5 degree ~ 36,000lbs (16,329kg))(7 degree ~ 50,000 lbs (22,679kg)) capacity	-
Chuck – Boyles P size Heavy Duty (12.5 degree ~ 36,000lbs (16,329kg))(7 degree ~ 50,000 lbs (22,679kg)) capacity	12.5 Degree
Rod Clamp – DDM design, 4 jaw with 36,000lbs (16,329kg) capacity handles up to P rod (PW Adapter Kit optional)	●
Transmission – Funk 2 speed	-
Rod Breaking System – DDM design, Hydraulic breakout tool	●
Hydraulic Motor – Rexroth 5,800 PSI variable displacement.	250cc
Hydraulic Pumps:	
• Main: Rexroth 4,000 PSI variable displacement (pc)(ls)	-
• Main: Rexroth 5,800 PSI variable displacement, closed loop	250cc
• Secondary: Rexroth 4,000 PSI (pc) (ls)	-
• Secondary: Rexroth 4,500 PSI (pc) (ls)	145cc
• Secondary: Rexroth 5,000 PSI (pc) (ls)	-
• Third: Rexroth 4,000 PSI (pc)	71cc
• Fourth: Rexroth Charge pump set at 400 PSI	63cc
Filtration: All filters, with LED warning lights included.	●
Wireline Hoist: DDM design, including 3/16 swaged cable complete with level wind.	10,000ft 3.048m
Rod Hoist – 1,000lbs (454kg) capacity	●
Lightening – LED 12 volts interior and exterior	●
Levelling Jacks – 4 hydraulic cylinders complete with pilot operated check valve, one mounted in each corner	●
Rod Make/Break System: DDM design, fully hydraulic, facilitates hoisting and lowering of rods.	●