The Sandvik UDR-KL150 is a compact drill rig which features a robust design and an efficient, uncomplicated hydraulic system. The UDR-KL150 is well suited to both RC, RAB mineral exploration drilling applications for shallow chip sampling in remote areas. The standard rig features a deck mounted air compressor which is clutch coupled to the rig engine in a single engine rig and compressor configuration. The UDR-KL150 is an excellent shallow capacity water well drill and can be trailer mounted on a four wheel trailer to ensure excellent maneuverability.

STANDARD DESIGN FEATURES

Carrier	• 4x4 Mercedes
Drill Mast	• Standard 3 metre rod pull capacity • Capable of angles from vertical to 45°
Diesel Engine	• Cummins LTA10C325 • 325HP @ 2100 RPM
Air Compressor	• Sullair • 750 CFM @ 250 PSI • Clutch coupled to rig engine
Rotation Head	• KL151 Top Head Drive • Single speed • 70mm Spindle Bore • Splash lubricated gears and bearings
Rotation Head Output Torque	• High Speed / Low Torque – 2000 Nm @ 170 RPM • Low Speed / High Torque – 4660 Nm @ 85 RPM
Head Traverse	• Hydraulic cylinder over chains @ 2:1 ratio • Maximum traverse pull back speed 41.4 m/min
Pull Down	• 40 kN (8,800 lbf)
Pull Back	• 65 kN (14,300 lbf)
Water Pump	• FMC (Bean) W11-22 • 140L/minute @ 1000 PSI
Rod Break Out	• Hydraulically powered breakout tool • Pipe capacity to client requirement
Slips Table	• Mast base mounted slips table • Casing and rod slips for all popular sizes
Hydraulics	• Highest quality axial and radial piston pumps and motors • Full flow 6 micron Beta rated return oil filtration • Larger than average hoses and control valves
Rod Carry Rack	• Tray mounted on right hand side of rig • Nominal capacity of 15 x 3-1/2" OD Rods
Jack Legs	• Four (4) heavy duty jack legs fitted to corners of the rig base.

Depth Capacities	
Auger Drilling	• 80 metres x 76mm (3")
Reverse Circulation Down Hole Hammer	• 100 metres x 89mm (3-1/2") RC Rod
Aircore	• 150 metres

Safety Features
• Guards on all rotating equipment • Hands free breakout tool • Emergency stops in control cabinet • Fire suppression • Heat guards on engine exhaust system • Hydraulic rod bin • Drill is fully risk assessed