



TECHNICAL SPECIFICATIONS

DESCRIPTION	KGR 1000	KGR 1500	KGR 2000
Drilling Diameter	6.0"-8.0" (152mm-203mm)	6"-8 1/2" (152mm-216mm)	6"-10" (152mm-254mm)
Drilling Depth	1000 Feet (305 Mtrs)	1500 Feet (457 Mtrs)	2000 Feet (610 Mtrs)
Application	Water Well Drilling	Water Well Drilling	Water Well Drilling
Formation / Strata	Soft / Medium / Hard	Soft / Medium / Hard	Soft / Medium / Hard
PRIME MOVER OF Hydraulic Power Pack	Truck Mounted Rig with Power from TRUCK ENGINE/ DECK ENGINE	Truck Mounted Rig with Power from TRUCK ENGINE/ DECK ENGINE	Truck Mounted Rig with Power from TRUCK ENGINE/ DECK ENGINE
CARRIER / MOUNTING	Truck for Mounting of Rig & Air Compressor	Truck for Mounting of Rig & Air Compressor	Separate Truck for Mounting of Rig & Air Compressor
COMPRESSOR	Suitable Compressor ELGI / ATLAS COPCO / IR	Suitable Compressor ELGI / ATLAS COPCO / IR	Suitable Compressor ELGI / ATLAS COPCO / IR
Maximum Operating Pressure	230 Kg/Cm2	230 Kg/Cm2	230 Kg/Cm2
Hydraulic Oil Tank Capacity	650 Ltrs	650 Ltrs	700 Ltrs
MAST Capacity (WT)	18 Tons	27 Tons	40 Tons
MAST Capacity (Rod Handling)	20 Feet (6.1 Mtrs)	20 Feet (6.1 Mtrs)	20 Feet (6.1 Mtrs)
MAST Height	9 Mtrs	9 Mtrs	9 Mtrs
MAST Construction	Sturdy Structural Channel	Sturdy Structural Channel	Sturdy Structural Channel/ Tubular
Centralizer Opening	10 5/8" (270mm)	12" (304mm)	14" (355.6mm)
Pull Up Speed	42 Mtrs/Min	35 Mtrs/Min	20 Mtrs/Min
Pull Down Speed	50 Mtrs/Min	40 Mtrs/Min	30 Mtrs/Min
Pull Up Force	8590 Kgfm	14070 Kgfm	20940 Kgfm
Pull Down Force	5890 Kgfm	7420 Kgfm	10680 Kgfm
ROTATION SPEED	0-90	0-120	0-120
Rotary Head TORQUE	245 Kgm	245 Kgm	490 Kgm
Hydraulic JACKS Options: box Type Jack	100 X 63 X 610 Stroke 100 X 63 X 800 Stroke	125 X 70 X 610 Stroke 100 X 63 X 800 Stroke	125 X 70 X 610 Stroke 100 X 63 X 800 Stroke
Break Out wrench (To Open Drill Rod)	80 X 40 X 300 Stroke	80 X 40 X 300 Stroke	100 X 50 X 300 Stroke
WATER INJECTION PUMP	50 Lpm	80 Lpm	80 Lpm
ROD CHANGER	Manually Operated Single Rod Changer	Manually Operated Single Rod Changer	Manually Operated Single Rod Changer

Note : Due to continuous development all the above specifications are subject to change



KGR RIGS

An ISO 9001:2008 Certified Company

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KGR DTH 1000 / 1500 / 2000

Ultimate Solution for Your Drilling