

# KGR RIGS

## TECHNICAL SPECIFICATION

DESCRIPTION	KGR 1000R	KGR 1500R	KGR 2000R
<b>Drilling Diameter</b>	6.0" – 8.0" (152mm – 203mm)	6.0" – 12" (165mm – 305mm)	8" – 17" (203mm – 432mm)
<b>Drilling Depth</b>	1000 Feet (305Mtrs)	1500 Feet (457Mtrs)	2000 Feet ( 610 Mtrs)
<b>Application</b>	Water Well Drilling	Water Well Drilling	Water Well Drilling
<b>Formation / Strata</b>	Soft / Medium / Hard	Soft / Medium / Hard	Soft / Medium / Hard
<b>PRIME MOVER OF Hydraulic Power Pack</b>	Truck Mounted Rig with Power from TRUCK ENGINE/ DECK ENGINE	Truck Mounted Rig Power from DECK ENGINE	Truck Mounted Rig Power from DECK ENGINE
<b>CARRIER / MOUNTING</b>	Truck for Mounting of Rig & Air Compressor	Truck for Mounting of Rig & Air Compressor	Separate Truck for Mounting of Rig & Air Compressor
<b>COMPRESSOR</b>	Suitable Compressor ELGI / ATLAS COPCO / IR	Suitable Compressor ELGI / ATLAS COPCO / IR	Suitable Compressor ELGI / ATLAS COPCO / IR
<b>Maximum Operating Pressure</b>	220 Kg/Cm2	240 Kg/Cm2	210 Kg/Cm2
<b>Hydraulic Oil Tank Capacity</b>	650Ltrs	700 Ltrs	800 Ltrs
<b>MAST Capacity (WT)</b>	18 Tons	27 Tons	40 Tons
<b>MAST Capacity (Rod Handling)</b>	20 Feet (6 Mtrs)	20 Feet (6 Mtrs)	20 Feet (6 Mtrs)
<b>MAST Height</b>	8.8 Mtrs	9.0 Mtrs	9.0 Mtrs
<b>MAST Construction</b>	Sturdy Structural Channel	Sturdy Structural Channel	Sturdy Structural Tube
<b>Centralizer Opening</b>	10 5/8" (270mm)	12" (304mm)	14" (355.6mm)
<b>Pull Up Speed</b>	42 Mtr/Min	30 Mtr/Min	20 Mtr/Min
<b>Pull Up Force</b>	8590 Kgfm	14070 Kgfm	20940 Kgfm
<b>Pull Down Force</b>	5890 Kgfm	7420 Kgfm	10680 Kgfm
<b>ROTATION SPEED</b>	0-100	0-100	0-100
<b>Rotary Head TORQUE</b>	245 Kgm	350 Kgm	490 Kgm
<b>Hydraulic JACKS</b>	100 X 63 X 610 Stroke	125 X 70 X 610 Stroke	125 X 70 X 610 Stroke
<b>Options: Box Type Jack</b>	100 X 63 X 800 Stroke	100 X 63 X 800 Stroke	100 X 63 X 800 Stroke
<b>Break Out wrench (To Open Drill Rod)</b>	80 X 40 X 300 Stroke	80 X 40 X 300 Stroke	100 X 50 X 300 Stroke
<b>WATER INJECTION PUMP</b>	50 Lpm	80 Lpm	55 Lpm
<b>ROD CHANGER</b>	Manual Operated Rod Changer	Manual Operated Rod Changer	Manual Operated Rod Changer
<b>MUD PUM (LINER SIZE x STROKE)</b>	5"x4 1/2"	8" x 6"	8" x71/2"
<b>MUD PUMP MAX. DISPLACEMENT</b>	1021 Lpm	1300 Lpm	1995Lpm

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



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An ISO 9001:2008 Certified Company

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**KGR DTHR 1000R / 1500R / 2000R**

*Ultimate Solution for Your Drilling*