

# KNEBEL DRILLING A/S



## HY-97-BRS, Trailor Mounted Drill Rig!

KNEBEL DRILLING A/S type HY-97-BRS, low bed semi-trailer mounted drilling equipment, designed for drilling water well to a depth of more than 400 m with 8" or 250 m with 10" DTH hammer tool, using rotary-air foam water circulation. Wire-line percussion, hole diameter from 6" to 24", max. Recommended weight of in hole tools 17 metric ton. The rig is a, heavy duty water well rig, with possibility to drill with direct mud / air circulation, reverse Mud / air circulation

The design of the drilling rig is unique in it easy way to carrier and handle drilling tools, in fact it is only a one man operation.



### **Dimension of rig during transport:**

Total width of rig	2.550 mm
Total length of rig incl. Mast	12.400 mm
Total height of rig	3.950 mm
Total weight empty, 6 x 6 truck incl.	24.900 kg

### **Technical rig Specification:**

Standard power input at hydraulic system	180 kW
Hold back / pull down	260 kN / 140 kN
Rotary head, working stroke	8.000 mm
Rotary head, travel-speed up and down	36 m / min
Rotary head max. torque 1 <sup>st</sup> . gear	12.500 Nm
Rotary head max. torque 2 <sup>nd</sup> . gear	6.000 Nm
Rotary head speed 1 <sup>st</sup> . gear	2 to 65 RPM
Rotary head speed 2 <sup>nd</sup> . Gear	2 to 120 RPM
Rotary head tip	2 x 90°
Winch with free fall, max. line pull	30 kN
Line speed	0 to 65 m / min
Numbers of stroke / min. for percussion	32 to 48
Length of stroke adjustable from	0,2 to 1,0 meter
Hydraulic bottom clamp	ø 406/660 mm
Hydraulic bottom clamp load capacity	400 kN
Jib boom for Rod handling	10 kN, 360° swing
Break-O-Matic for easy breaking of threads	7.500 Nm
Hydraulic chuck for locking rotary head to drill pipe.	
Night light, remote control, compressor, mud pumps, oil injection pumps, foam pump and water injection.	
We also supply alternative rotary head, and other accessories for above drill rig.	



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