

T-507 CLUSTER SLIDER HR5000

TECHNICAL OVERVIEW

Rating	1,500 HP	1,100 kW
Hook load	705,000 lbs @ 12 lines	320 mt
Drilling depth theoretical	16,400 ft	5,000 m
Year of construction 2015		

MAST

Type	Bentec cantilever	
Height	142 ft	43.3 m
Base	30 ft	9.1 m
Max. static hook load	705,000 lbs	320 mt

SUBSTRUCTURE

Type	Bentec Box type	
Height	33 ft	10 m
Casing load	706,000 lbs	320mt
Setback Load	500,000 lbs	227 mt

DRAWWORKS

Type	Bentec E-350-AC-SG (Single Gear)	
Horsepower rating	1,500 HP	1,100 kW
Max. line pull	71,210 lbs	32,3 mt
Drilling line diameter	1 3/8"	35 mm
Auxiliary brake	Disk brake + (power braking via AC motors)	

TOP DRIVE

Type	Bentec TD-350-HT-X	
Capacity	700,000 lbs	317 mt
Torque	46,500 ft.lbs	63,000 Nm

ROTARY TABLE (ASSISTING)

Type	RDE-375-90-1-38-30	
Table opening	37 1/2"	952.5 mm

DRIVE GROUP

Engine type	Caterpillar 3512 B alternative 6 kV power supply	
Generator type	Caterpillar SR4BHV	
Horsepower rating	3 x 1,756 HP @ 1,500 rpm	
Generator rating	3 x 1,500 kVA @ 1,500 rpm	
Voltage	6,300 V, 50 Hz	
Control Unit	Bentec VFD	



MUD SYSTEM

Pump type	Bentec T-1600-AC (R)- 7 1/2"x12"	
Horsepower rating	2 x 1,600 HP	
Standpipe pressure	5,000 psi	350 bar
Shale shaker	4 pcs single	
Shale shaker type	MI Swaco Mongoose PT	
Centrifuge	1 pc	
Centrifuge type	MI Swaco 518	
Active mud system	1,007 bbl	160 m ³
Reserve mud system	1,133 bbl	180 m ³

BOP EQUIPMENT

Annular	13 5/8" – 5,000 psi	
Double ram	13 5/8" – 5,000 psi	

CAMP EQUIPMENT

Full rig and base camp

ADDITIONAL EQUIPMENT

Anti-Collision System (Bentec ACS)
Soft Torque Rotary System (Bentec STRS)
Feed Off Control System (Bentec FOCS)
Parallel operation between Grid- and self-generated powers is possible.
Air conditioned Driller Cabin with Bentec InfoDrill