

T-400 BENTEC ARCTIC RIG HR-4000

TECHNICAL OVERVIEW

Rating	1,250 HP	920 kW
Static hook load	550,000 lbs @ 10 lines	250 t
Drilling depth theoretical	13,120 ft	4,000 m

Year of construction 2011

MAST

Type	Bentec Bootstrap	
Height	146 ft	44.5 m
Base	21.3 ft x 14.1 ft	6.5 x 4.3 m
Hook load	550,000 lbs	250 t

SUBSTRUCTURE

Type	Bentec Box-on-Box	
Height	8.5 m	27.9 ft
Clear height	7 m	23 ft
Casing load	550,000 lbs	250 t
Setback load	350,000 lbs	160 t

DRAWWORKS

Type	Bentec E-1250-AC-SG	
Horsepower rating	1,250 HP	920 kW
Max. line pull, low gear	61,950 lbs	28.3 t
Drilling line diameter	1¼"	32 mm

TOP DRIVE

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

ROTARY TABLE

Type	LS-NOV ZP-275	
Table opening	27½"	698.5 mm

DRIVE GROUP

Engine type	Caterpillar 3512B	
Horsepower rating	4 x 1,750 HP @ 1,500 rpm	
Generator type	Caterpillar SR4B	
Generator rating	4 x 1,457 kVA @ 1,500 rpm	
Voltage	690/400 V, 50 Hz	
SCR/VFD Unit	Bentec, 3 VFD bays / 2 SCR	



MUD SYSTEM

Pump type	Wirth TPK-1600CL, 7½" x 12"	
Horsepower rating	2 x 1,600 HP	
Standpipe pressure	5,000 psi	350 bar
Active mud system	1,165 bbls	186 m ³
Reserve mud system	756 bbls	120 m ³
Shale shaker type	3 x Mongoose PT	

BOP EQUIPMENT

Annular	13 ⁵ / ₈ " x 5,000 psi	
Double ram	13 ⁵ / ₈ " x 5,000 psi	
Single ram	13 ⁵ / ₈ " x 5,000 psi	

CAMP EQUIPMENT

Full rig and base camp

ADDITIONAL INFORMATION

Designed for "Arctic" environment, min -45°C to max +40°C with heated Driller's Cabin, Drill Floor, Set Back area and Support modules to improve working environment.

Vertical mast erection (Bootstrap type) for restricted locations