



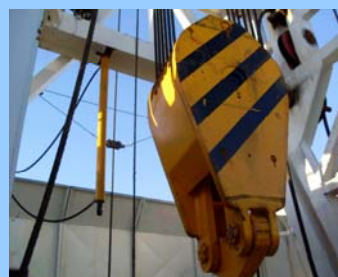
Arctic Rigs

Main Features

- Arctic -45°C to +40°C Arctic Drilling Rig, steam heated and fully insulated
- Digital control AC-VFD-AC drive, climate controlled driller's cabin, VFD and MCC house, etc.
- Integral transport designed, fast moving and rig up/down

Highkelly Turn-Key Arctic Drilling Rig Overview

- Designed and manufactured under Canadian professional quality control
- Designed and fabricated to API specifications, fully API compliant
- All components are designed to minimize the require working footprint
- Components are fabricated according to the minimum standards CWB W47.1
- Drawworks capacities: 1,000 hp - 3,000 hp
- Hook load capacities: 440,000 lbs - 1,300,000 lbs / 200 t - 585 t
- Drilling depth capacities: Up to 26,000 ft / up to 8,000 m
- Highkelly Step-less speed control, AC frequency power conversion, digital control technology
- Highkelly AutoCAT power catwalk, remote control, less than 30 seconds tubular delivery





HIGHKELLY INDUSTRIES LTD.

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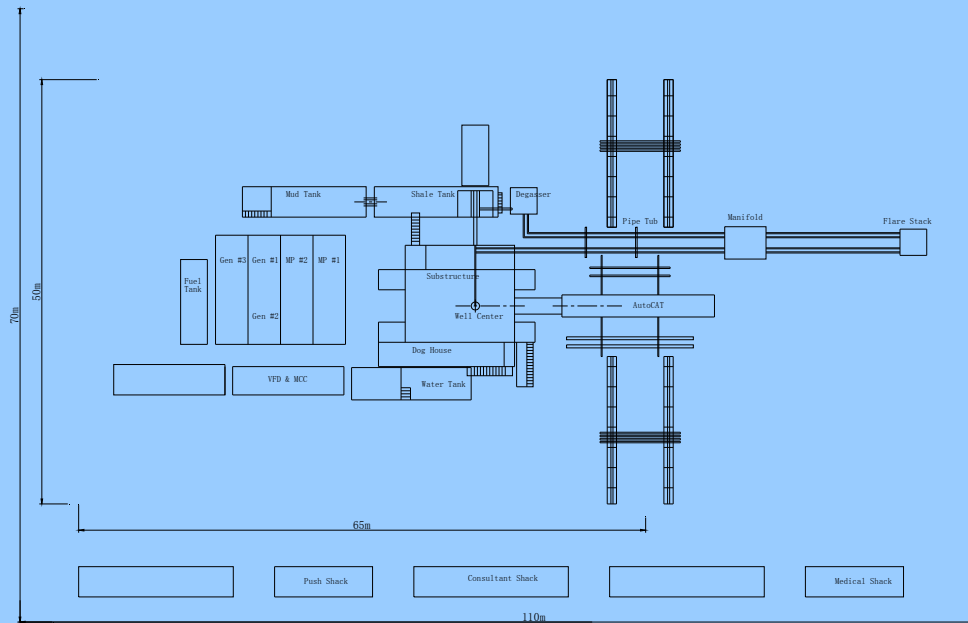


1,500 hp Arctic Rig

Technical Data



**HIGHKELLY
INDUSTRIES LTD.**



Drawworks:	Highkelly 5000m	Power Catwalk:	Highkelly AutoCAT 8028
Power rating:	1,500 hp AC	Max. Tubular Dia. x L	24" x 14.3m
Drill line diameter:	1 3/8" (35 mm)	Heating System:	Highkelly
Max. line pull:	75,000 lbs (34.0 t)	Steam Heaters	30" & 24" ASME Compliant
Crown Block:	Highkelly CB350	Boiler	150hp ASME Compliant
Max. static load:	770,000 lbs (350 t)	Gen Sets:	3 x CAT 3512B (or equivalent)
Travelling Block:	Highkelly TB350	Generator type:	3 x CAT SR4B (or equivalent)
Max. static load:	770,000 lbs (350 t)	Auxiliary Gen engine:	1 x CAT C15 (or equivalent)
Mast:	Highkelly 378/43.28-K	Power Control Room:	Highkelly
System:	K type, cantilever derrick	Type:	VFD 600 V, 60 Hz, MCC
Height:	142 ft (43.28 m)	Mud Pumps:	Highkelly 2 x F-1300
Mast base:	30 ft x 30 ft (9.0 m x 9.0 m)	Max. pressure:	5,000 PSI (350 bar)
Max. Hook load (6x7 lines):	750,000 lbs (340 t)	Mud Tanks:	Highkelly 250 m ³
Racking capacity:	5" DP, 15,000 ft (4,500 m)	Type:	Rectangular tanks
Substructure:	Highkelly 378/7.6-S	Active mud volume:	As per customer specification
System:	Sling shot style	Reserve mud volume:	As per customer specification
Height of drill floor:	25 ft (7.6 m)	Solids Removal System:	Original equipment manufacturer
Height under drill floor:	21 ft (6.4 m)	Controls by Highkelly	
Setback load max.:	400,000 lbs (182 t)	Shale shaker:	1 x triple unit
Rotary Table:	Highkelly RT275	Degasser:	Highkelly 48" x 14'
Max. static load:	770,000 lbs (350 t)	Desander:	2 x 10" cones
Top Drive:	Original equipment manufacturer	Desilter:	20 x 4" cones
Controls by Highkelly		Mud Centrifuge:	Highkelly LW450x1000
Iron Roughneck:	Original equipment manufacturer	Well Control System:	Original equipment manufacturer
Controls by Highkelly		Controls by Highkelly	
		BOP Type:	Annular & Ram, 13 5/8", 5000 psi
		BOP Control:	FKQ 800 Air/Hydraulic control
		Kill & Choke Manifold	5000 psi