

**Drilling Rig - BCH-06 (telescopic double)**  
**General Specification**

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**DEPTH RATING:** 2800m with 4" in drill pipe  
**APPROXIMATE LOADS:** 14 loads

ITEM	DESCRIPTION
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**DERRICK:**

Model JJ1351D 105' telescopic double  
Effective height 31m  
Max hook load 1350 KN  
Hyd lift mechanical telescope  
Racking board height above floor 17.4m (57')  
Set back capacity 4 1/2" DP (2800m) (9200')  
+ 6 1/4 DC (20 jts)  
Crown block model TC 135C  
Rated 1350 KN (297,500 lbs.)  
5 x 760 mm (30") 11/8" grooved sheaves  
Fold up racking board  
Easy rider assembly  
Escape buggy with deadline anchor weight  
Derrick will be Painted White with a Red Crown.  
Hydraulic Rams for Make up and Breakout.  
One crown mounted fall arrest  
One monkeyboard mounted fall arrest on slope line  
4" standpipe with Kelly hose and valves and fig 602 fittings  
2" casing standpipe with valve, fittings and hose

**SUBSTRUCTURE:**

Model DZ 160/ 4.5  
Max set back 1350 kN (348,000 lbs)  
Floor height 4.5m (14.7')  
Ground to bottom of rotary beam 3.52m ( 11.5  
Pipe bottom bird baths  
BOP hydraulic lift system  
BOP tie down  
Folding handrails on top area  
ZP175 17 1/2 Rotary table rated 1600 KN (352,640 lbs.)

**BOPs:**

9" 3000 psi 21 mpa  
Annular FH23-21 9" 3000 (Annular Shaffer Element.)  
2-9" 3000 ram block c/w Pipe Rams and Blind Rams.  
FZ23-21  
9" 3000 x 9" 3000 working spool with 3" 3000 outlets  
HCR & Manual valves  
2-Kill line valves  
3 1/8 1-HCR Hydraulic, 1- Manual  
9 Valve Manifold c/w 2 Chokes.

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**Sede:**

Suite 500, 816 - 7th Avenue SW  
Calgary, AB, Canada  
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Tel.: +1(403) 539-9488  
Fax +1(403) 265-4160

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Av. Rio Branco, 01 – 8º andar – sala 804  
Rio de Janeiro – RJ  
20090-003  
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**DRAWWORKS:**

Model JC20 rated 550hp  
 15 L Cummins 600hp engine  
 Allison 6061 transmission  
 JFD 130 right angle drive box  
 Drum 450mm x 912mm (17.7"x36") 11/8 "lebus grooved  
     Circulating drum with closed loop glycol  
     310mm x 1070mm (12"x42") break hubs  
 224 ETN auxiliary brakes with closed loop glycol system shared with  
     circulating drum  
 Rotary table brake  
 50 hp electric two stage hydraulic system  
 PTO hyd system  
 3 T (6600lb) boom line winch on mud tank side  
 5 T (11000lb) tugger winch on doghouse side  
 Survey Winch

**PIPE SYSTEM:**

Catwalk with manifold shack with two 3" lines and one 8" de-gasser lin  
 YJG 21 21 mpa (3000 psi) rated choke manifold line  
 V door installed on catwalk  
 Folding pipe rack arms installed on shack side  
 Three of forklift accessible pipetubs  
 240 Jts. 4" FH X95 drill pipe hardbanded and internal coated  
 15 Jts. 6 1/4 4 1/2 X H drill collars (zipped for slips and hardbanded on  
 pin end)

**MUD TANKS:**

60m3 usable 5 compartments including trip tank, shaker tank, settling tank, suction  
 tank and pil tank

Sand trap  
 4- 7.5 hp agitators in tank  
 2 – 50 HP 5x6 Victory mud mixers (or 6 x 8)  
 2 – Winch poles  
 De-gasser unit  
 Mixing hopper

**PUMP HOUSE:**

12' 6" wide Building  
 F1000 mud pump  
 23 L Cummins with Icona clutch conventional mount with belt drive  
 Allison 6061 transmission  
 Electric 5 x 6 precharge or mechanical (please advise if electric or mech  
 preferred and if mechanical whether conventional belt driven or R/A  
 with polychain drive preferred)

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**LIGHT PLANT:**

2x 450 KW generators  
 Powered by 15 L Cummins  
 Louvered panels for both generators  
 1 accumulator with air back up  
 Plumbing for nitrogen ( nitrogen bottles not included)  
 Koomey cord and remote (doghouse installed)  
 Please advised if PLC needed approximately 30000.00 extra  
 Tool room with work bench, storage shelves and storage cupboard  
 Electric air compressor  
 Change shack with 12 lockers and bench  
 Electric heater in change shack

**DOGHOUSE & WATER TANK:**

65m3 water storage  
 Two water supply pumps  
 18,000L fuel tank  
 Two fuel pumps  
 3 oil storage bins  
 Doghouse with junk room  
 Knowledge box  
 Storage cupboards  
 Winch trolley bar in junk room

**TRAVELLING EQUIPMENT:**

Swivel SL135  
 Hydraulic Kelly spinner  
 Travelling blocks YG135C 1350 KN  
 4¼ square Kelly bar/ c/w Drive Bushing or 3 ½ bar and bushings  
 Slips (Drill Pipe and Drill Collar)  
 Elevators DH 150  
 1000m spool 1 1/8 drill line  
 108" x 250 Ton Bale Links  
 Choke Hose, 2' Kill Hose ,Shock Hose

Note:

Mast and sub will be Canadian certified as will all other overhead equipment. There will be no steam lines or heaters on the rig.

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