



HH-102 Full Automatic & Hydraulic Drilling Rig

GENERAL INFORMATION

Rating	600 HP
Drilling Depth	2.000 m w/ 4 1/2" DP
Year of Construction	2011

MAST

Type	Telescopic Mast
Height	87,9 ft (26,8 m)
Hook Load	220.000 lbs (100 metric tone)

CROWN BLOCK

Type	Drillmec
Sheaves of Crown Block (Dia.)	25 1/2"

SUBSTRUCTURE

Type	Telescoping type Drillmec
Height	16 ft (4,88 m)

DRIVE GROUP

Engine Type	CAT C-18 ACERT
HP Rating	600 HP
Generator Type	CAT C-15
Generator Rating	2 x 400 kWA
Voltage	400 V, 50 Hz
Generator Type	Olimpian
Generator Rating	100 kWA

TOP DRIVE

Type	Hydraulic Drillmec Top Drive
Capacity	220.000 lbs
Max. Pull Down	44.000 lbs
Max. Torque	26.000 lbft
Max. Power	600 HP
Max. Speed	154 rpm
Max. Working Pressure	5.000 psi

ROTARY TABLE

Type	Drillmec
Table Max. Open	32 1/2"

MUD SYSTEM

Pump Type	Drillmec 7TS600 (2ea)
HP Rating	600 HP at 150spm
Pump Engine Type	2 x CAT C-18 ACERT (600 HP)
Shale Shaker	MI-Swaco Mongoose PT (2ea)
Mud Cleaner	MI-Swaco Mongoose MI-Swaco D-Sander / D-Silter
D-Gasser	Swaco Vaccum D-Gasser Vertical
Poor Boy Degasser	Swaco - Mud/Gas Separator
Standpipe Pressure	5.000 psi
Total Tank Capacity	1.232 bbl
Trip Tank	40 bbl
Cooling Tower	For Geothermal Wells

WELL CONTROL EQUIPMENT & CONTROL SYSTEM

Annular BOP	21 1/4" x 2.000 psi 13 5/8" x 5.000 psi
Double Ram BOP	13 5/8" x 5.000 psi
Single Ram BOP	13 5/8" x 5.000 psi
Drilling Spool	21 1/4" x 2.000 psi 13 5/8" x 5.000 psi
Closing Unit	250 gal Tank Size 16 Bottles Remote Control Panel (1ea)

CHOKE MANIFOLD

Size and Working Pr	3 1/8" x 5.000psi
Number of Valves	10
Choke Type	Hydraulic (1 ea) - Manual (1ea) Remote Drilling Choke Console w/ 2 dijital stroke counter
Co-Flex Hose	3 1/8" x 5.000 psi (1ea)

OTHER

Integrated Hydraulic Power Tong ...	Drillmec 3 1/2" - 11"
Automatic Slip	Drillmec 3 1/2", 4 1/2", 5"
Torque Wrench	Drillmec 3 1/2" - 7"
Casing Running Device	5 1/2", 7", 9 5/8", 13 3/8", 20"
Drill String Equipment	3 1/2", 4 1/2", 5" (as per Costumer's request)
Jib Crane	Max. 6 ton capacity