



## **BT 150 SUPER SHALLOW WATER JACK-UP DRILLING RIG**

BT150 super shallow water jack-up drilling rig is a three-leg self-elevating cantilever type drilling platform developed by CIMC Offshore Engineering Institute Ltd. The modified triangular hull is 68.8 meters long, 67.5 meters wide and 5.5m deep, the total leg length, including the spud can, is 75meters. The unit is designed for operating in water depths 2.5m up to 45meters (147.6ft). The maximum drilling depth is 5000m.

The rig has a total accommodation of 110 persons. Two (2) cranes are arranged on the Port and Starboard on main deck.

## GENERAL DESCRIPTION

Class	: ABS
Operating water Depth	: 2.5m - 45m
Drilling Depth	: 5000m
Service Temperature	: 0°C ~45°C
Structure Design Temperature	: -10°C
Max wave height	: 9m
Drillfloor/Cantilever Load Maximum	: 550 MT
Max. Cantilever Outreach	: 12.2m
Max. Drill Floor offset	: +/-3.66m
Accommodation	: 110 persons

## NOTATION

A1 Self-Elevating Drilling Unit, ENVIRO-OS,CRC,HELIDK

## PRINCIPAL DIMENSIONS

### UPPER HULL

Main Deck Length	: 68.80 m
Main Deck Width	: 67.50 m
Hull Depth	: 5.5 m
Min. Draft	: 2.2m

### LEGS

QTY	: 3 EA
Space Between Leg	: 47 x 40m
Leg Length	: 75 m

### STORAGE CAPACITIES

Diesel Fuel	: 410 m <sup>3</sup>
Drill Water	: 400 m <sup>3</sup>
Potable Water	: 410m <sup>3</sup>
Bulk Mud AND/OR Cement	: 300 m <sup>3</sup>
Active And Reserve Mud Pits	: 400 m <sup>3</sup>
Brine	: 120 m <sup>3</sup>
Sack Storage	: 4,000 sacks

## VARIABLE LOADS

Variable Load (Operation)	: 4, 000 MT
Variable Load (Survival)	: 2,500 MT

## JACKS & RACK CHOCK SYSTEM

### JACKING SYSTEM

Quantity Of Jacking Pinions	: 36
Jacking Capacity(Per pinion)	: 253 MT
Storm Holding capacity (Per pinion)	: 540 MT

## DRILLING PACKAGE

Derrick size	: 9.144m x 9.144m
Hook Design Loads	: 450 MT
Rotary Design Loads	: 450 MT
Set Back Design Loads	: 204 MT
Table Opening	: 37 1/2"
Dynamic Capacity	: 450 MT
Top Drive hoisting	: 450 MT
Mud Pump	: 2 x 1600hp
Drawwork	: 2000hp, 485KN
BOP	: 13-5/8", 10000psi

## MARINE EQUIPMENTS

Main Generator	: 4 x CAT 3516C, 1530ekw@1200rpm
Emergency Generator	: 1 x CAT C18, 550ekw@1800rpm
Diesel Oil Purifier	: ALFA LAVAL MAB104, 2 x 1500L/h
RO Water Maker	: 2 x 40t/day
Air Compressor	: 3 x 14.2 m <sup>3</sup> /min @ 8.6bar
Sewage Treatment System	: 1 x 110persons

## DECK CRANES

2x 120ft boom deck crane SWL 50m.tons@8.0m ; 12m.tons@33.0m

## HELIDECK

Suitable for Sikorsky S-61N or Sikorsky-S92 helicopter

## MOORING SYSTEM

Four (4) electrically-powered , 300KN(First Layer),single drum winches  
Four (4) 7000 lbs STS-type anchors

## LIFE SAVING

Life Boat	: 3 x 60 persons
Life Rafts	: 5 x 25 persons

## ACCOMMODATION

Single cabins	: 4
Double cabins	: 11
4-men cabins	: 21
Total Persons	: 110

