

F&G JU2000E JACK UP DRILLING UNIT



The JU2000E is a Self-Elevating Drilling rig designed for harsh environment operation. The rig is capable to work in 400 feet water depth with its 54 pinion jacking system. The minimum design temperature is -20°C . The maximum drilling depth is 35000 feet.

F&G JU2000E JACK UP DRILLING UNIT

GENERAL

Class :ABS
 Max Operating Water Depth :400 ft
 Drilling Depth :35000 ft

NOTATION

+A1 Self-Elevating Drilling Unit, 2012, PSPC, CDS, CRC

PRINCIPAL DIMENSIONS

HULL
 Length : 231 ft
 Beam : 249 ft
 Depth : 31 ft
 LEGS
 Number of Legs : 3
 Leg Structure : Lattice
 Length : 547 ft
 SPUDCANS
 Diameters : 59 ft

DESIGN ENVIRONMENT

Air Temperature : -20°C ~ 45°C
 Sea Water Temperature : 0°C ~ 35°C
 Typical Operation Condition
 Water Depth : 400 ft
 Max Wave Height : 72 ft
 Typical Survival Condition
 Water Depth : 400 ft
 Max Wave Height : 56 ft

VARIABLE LOAD

Operation : 3766 mt
 Survival : 2995 mt

OPERATING CAPACITIES

Diesel Fuel : 660 m³
 Potable Water : 545 m³
 Drilling Water : 1584 m³
 Bulk Mud or Cement : 500 m³
 Active and Reserve Mud Pits : 745 m³
 Brine : 213 m³
 Base Oil : 213 m³
 Pipe Rack-Cantilever : 453 m²
 Pipe Rack-Main Deck : 523 m²

ACCOMMODATION

150 persons in 1-man(4 pcs) and 2-men cabins (73 pcs)

POWER SYSTEM

Main Generator
 Six(6) Sets, 1530 ekw, 1200rpm, 690v,60Hz
 Emergency Generator
 One(1) Set, 860ekw, 1800rpm, 480v, 60Hz

DRILLING PACKAGE

Derrick Base : 40 ft x 40 ft x 170 ft
 Hook Load : 2000 kips (907 mt)
 Top Drive : 2x1150 HP
 Mud Pumps : Three(3) x 7500psi, 2200HP

CANTILEVER

Max Outreach : 22.86 m / 75 ft
 Max Offset : 4.57 m / 15ft P/S
 Load Chart

Rotary Position	ON GL	15ft off CL
75ft Aft Transom	1230mt	500mt
70ft Aft Transom	1360mt	590mt
35ft Aft Transom	1360mt	1360mt

JACKING & FIXATION SYSTEM

Model & Type : NOV-BLM
 Quantity of Pinion : 54
 Normal Jacking Capacity : 340 mt / Pinion
 Elevating Speed : 0.46 m/min
 Chock System : F&G

LIFE SAVING

Life Boats : 3x70 persons
 Rescue Craft : 1 x 6 persons
 Life Rafts : 6 x 25 persons

DECK CRANE

Three(3) MEP Deck Crane, 120 ft Boom, SWL 60 mt @7.5m

HELIDECK

One(1) set suitable for Sikorsky S-92 helicopter

MOORING WINCH

Four(4) set, Static Pull of 20 mt, Break Pull of 107 mt