

# ENSCOROWAN

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## ENSCO 97

### GENERAL INFORMATION

**Flag:** Liberian  
**Previous Name(s):** Keyes 250; Marine 250; Dual Rig 86  
**Year Built:** 1980  
**Builder:** Marathon Letourneau, Brownsville, Tx, USA  
**Upgrade:** 2014  
**Design:** Marathon Letourneau 82-SD-C  
**Classification:** A.B.S. A-1 self-elevating mobile offshore drilling unit.

### MAIN DIMENSIONS

**Length:** 207.3 ft  
**Breadth:** 176 ft  
**Depth:** 20 ft  
**Legs:** 3 x 360 ft; triangular/truss.  
**Leg Spacing:** Longitudinal: 121.67 ft; transverse 120 ft  
**Cantilever:** Structure can extend rotary 40 ft from stern (+7 ft extension); and 12 ft transverse rotary movement each side of centerline  
**Spud Cans:** 40 ft across x 21,3 ft deep

### DRAFT AND DISPLACEMENT

**Transit Draft:** 12 ft  
**Transit Displacement:** 15,613 Kips

### MACHINERY

**Main Power:** 4 x EMD 12-645-E8 diesel engines  
4,950 HP; EMD AB20-6 1,050 kW generators  
**Power Distribution:** Ross-Hill SCR model 1500 system  
**Emergency Power:** 1 x Cat 3512B 1360 kW

### OPERATING PARAMETERS

**Water Depth:** 250 ft (13 ft – 250 ft)  
**Maximum Drilling Depth:** 20,000 ft  
**Average leg length below hull:** 311 ft  
**Air Gap:** 30 ft  
**Transit Speed:** 5 Knot field; 3 Knot ocean  
**Survival Conditions:** 100 Knot wind  
**Criteria Design:** 38 ft; wind 70 knots; air gap 25 ft; water 250 ft; atmosphere 14°F; water 28°F

### DRILLING EQUIPMENT

**Derrick:** Loadmaster x 160 ft x 30 ft x 30 ft x 1,000,000 lbs static hook load capacity  
**Drawworks:** Continental Emsco C-2 2,000 HP, Baylor 7838 brake  
**Rotary:** National C-375 (37 1/2") with independent electric drive –VARCO PS-21 hydraulic slips  
**Top Drive:** Varco TDS-4  
**Crown:** National 760FA  
**Travelling:** 500 mt  
**Handling:** VARCO ST-80  
**Cementing:** Halliburton SKD-4 (free placement only)  
**Mud Pumps:** 2 x Emsco FB-1,600 triplex with P-Quip rod and liner retention system  
**Drill Pipe:** 18,000 ft x 5" HT-50; 16,000 ft x 4" XT-39  
**Drill Collars:** 9 1/2"; 8"; 6 1/2" and 4 3/4"

### HOISTING EQUIPMENT

**Craneage:** 3 x Marathon Letourneau PCM-120ft AS x 100 ft booms, 45 mt @ 25 ft

### CAPACITIES

**Variable Deck Load:** Transit: 3,060 Kips; Drilling: 4,390 Kips; Survival: 1,690 Kips  
**Cantilever Load:** 1,000,000 lbs  
**Total Drilling Load:** 1,700 Kips  
**Tubulars in Pipe Rack:** 500,000 lbs  
**Liquid Mud:** 1,589 bbls  
**Bulk Mud/Cement:** 9,625 ft<sup>3</sup>  
**Sacks:** 2,000 sacks  
**Drill water:** 5,053 bbls  
**Potable Water:** 984 bbls  
**Brine Storage:**  
**Base Oil Capacity:** 445 bbls  
**Fuel Oil:** 2,337 bbls

### WELL CONTROL SYSTEMS

**BOP:** Shaffer Spherical 13 5/8" x 5,000 psi, Cameron "U" ram 13 5/8" x 10,000 psi (1 double & 1 single)  
**BOP Handling:** 2 x J.D. Neuhaus 25 mt each  
**Control System:** CAD Model: CAD3600920078EU2  
**Diverter:** 30" Hydril MSP 1000, 2 1/4" 2000 psi Shaffer  
**Choke and Kill:** T3 x 3 1/16" x 10,000 psi with 2 manual and 2 Swaco hydraulic chokes

### MOORING

**Winches:** N/A  
**Wire:** N/A  
**Anchors:** N/A

### HELIDECK

Sikorsky S-61; or equivalent 19,500 gross lbs.

### JACKING AND SKIDDING SYSTEM

Rack and pinion

### ACCOMMODATION

100 berths

### ADDITIONAL DATA

3 Brandt VSM 300 Shakers, desilter Derrick D-RND-CM-4-20-1,000gpm desander Derrick DSI-10-3 1,500 gpm; Lifesaving equipment 2 x 50 man Whittaker survival capsules, 8 x 25 man life raft, FRC Viking 11364753 Cap 6 Persons  
**Water makers:** (1) one Model SE211ROAS-1-SPCL RO unit  
**Sewage treatment:** Omnipure type II model 12MV12-27; zero discharge (single point).  
**TV System:** Top Side Offshore cctv System 6 Cameras.