



# ENSCO 108

Designer: Keppel KFELS Enhanced Mod Class B

Builder : Keppel FELS, Singapore

Year Built / Last Upgrade: 2007/2024



## Premium JackUp

### General Description

<b>Classification</b> .....	Self-Elevating Mobile Offshore Drilling Unit- B Class (BIGFOOT).
<b>Flag</b> .....	Republic of Liberia.
<b>Overall Dimensions (Hull)</b> .....	234' 0" long x 208' 0" wide x 25' 6 ¼". deep.
<b>Legs</b> .....	3 x 517' long, triangle.
<b>Longitudinal Leg Centers</b> .....	129 ft.
<b>Transverse Leg Centers</b> .....	142 ft.
<b>Drafts</b> .....	16.00 ft. load line draft.
<b>Accommodation</b> .....	120 persons.
<b>Displacement</b> .....	32,312 Kips operating.
<b>Variable Deck Load</b> .....	6051 Kips.
<b>Transit Speed</b> .....	3 knots.
<b>Operating Water Depth</b> .....	328 ft.
<b>Maximum Drilling Depth</b> .....	30,000 ft.

### Drilling Equipment

<b>Derrick</b>	Woolslayer 160ft x 32ft x 35ft.
<b>Hook load Capacity</b>	1,500 Kips.
<b>Top Drive</b>	Varco TDS-8SA, 750t.
<b>Cantilever / Drill Floor</b>	70ft.
<b>Travelling Block</b>	Varco 750t rating.
<b>Crown Block</b>	Varco 750 st.
<b>Drawworks</b>	Varco/ADS-10DT, 3000 hp.
<b>Auxiliary Brake</b>	ADS-10DT Drawworks the VFD.
<b>Rotary Table</b>	Varco/BJ RST 495,49 ½ " max opening .
<b>Cementing Eqpt.</b>	Dowell Schlumberger.
<b>Torque Wrench</b>	(1) NOV ARN3200.

### Mud System

<b>Mud Pumps</b>	(3) Lewco W-2215, 2,200 hp x 7,500 psi.
<b>HP Mud System</b>	7,500 psi.
<b>Mud Pits</b>	2100 lbs/ft2.
<b>Desanders &amp; Desilters</b>	(1) Brandt VSM 300 ,1,000 gpm.
<b>Degasser</b>	(2) Brandt DG-10 1,000 gpm.
<b>Shale Shakers</b>	(4) VSM 300.

### Storage Capacities

<b>Fuel Oil</b> .....	3,384 bbl.
<b>Liquid Mud</b> .....	3,891 bbl.
<b>Base Oil</b> .....	1021 bbl.
<b>Drill Water</b> .....	20,089 bbl (incl. combo tanks).
<b>Potable Water</b> .....	2,052 bbl.
<b>Bulk Material</b> .....	(Barite/Bentonite + Cement) 5333 cu.ft.
<b>Sack Storage</b> .....	5000 Sacks.
<b>Pipe Storage (Main)</b> .....	1439 sq. ft. x 6ft. high.
<b>Pipe Storage (Cantilever)</b> .....	2239 sq. ft. x 7ft. high.

### BOP & Well Control

<b>BOP</b>	Cameron U 13 5/8" x 10,000 psi (2) singles & (1) double
<b>BOP Handling</b>	M.O.S Pneumatic Chain Hoist 75 Ton each Hoist.
<b>Diverter</b>	GE KFDJ-500, 49 1/2"
<b>Control Unit</b>	Cameron, 1250 gal capacity reservoir - 57 x 15GAL 3000psi Acc bottles.
<b>Choke Manifold</b>	4-1/16" 10K Upstream to 4-1/16" 5K Downstream.

### Power & Machinery

<b>Main Power</b>	(5) Cat 3516-B driving (1) Cat SR4B 1,383 kW generator; total 9,275 hp
<b>Emergency Power</b>	Cat 3512 – C engine x 1,360 kW

### Cranes

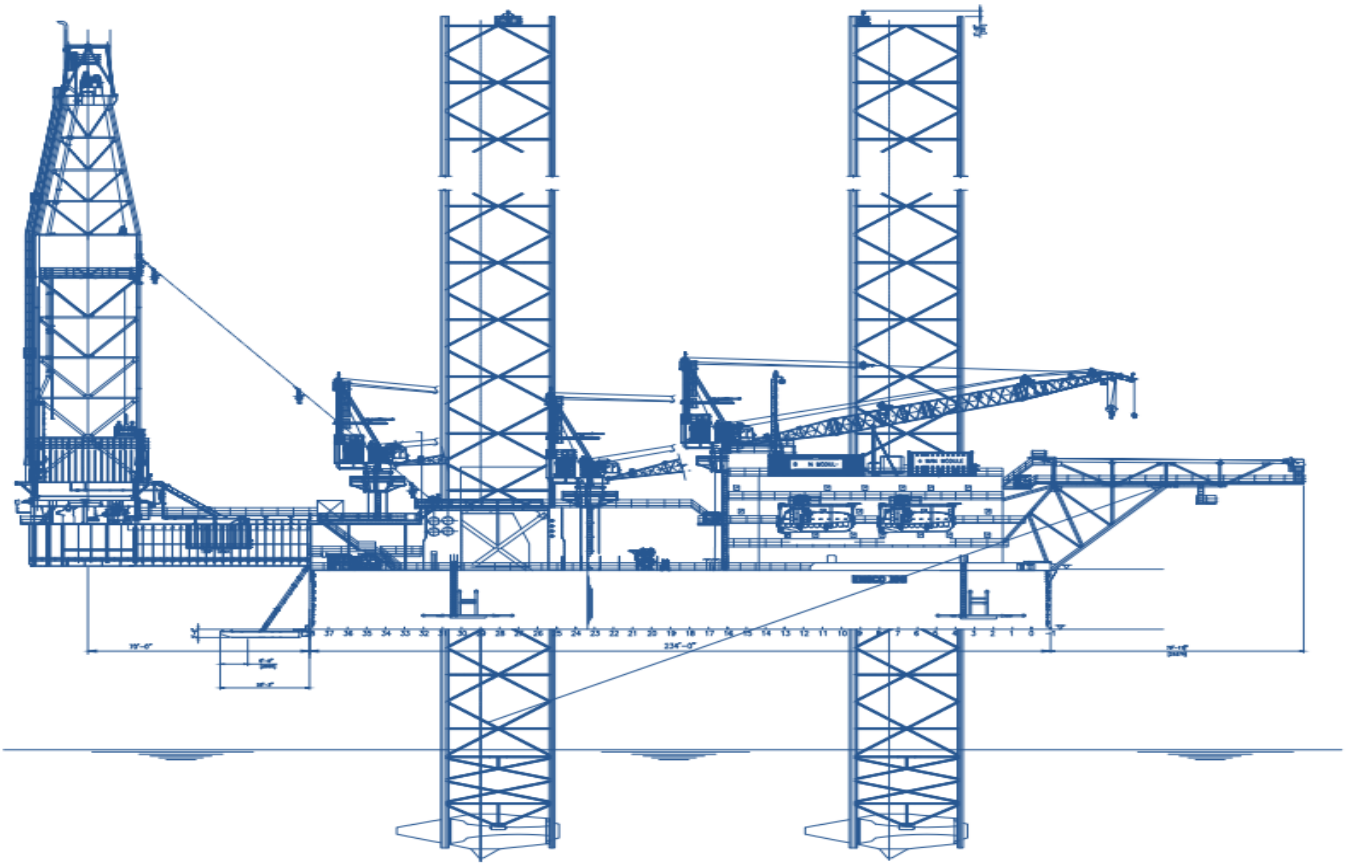
<b>Deck Cranes</b>	(3) Favco Model 7.5/10k 10T, whip line 45.4 MT main line; Diesel Engine Driven Hydraulic Type
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### Special Features & Other Information

<b>Helideck</b>	12,837 kg+50 kg/m2 28,300 lbs+10.5 lbs/ft2.
<b>Jacking</b>	900 Kips per pinion for Jacking capacity. Total Normal Jacking Elevated Load (1,2) 32,400 Kips.



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with ARO Drilling standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.



PROFILE VIEW  
SCALE - 1:225

