



## ENSCO 67

### GENERAL INFORMATION

**Flag:** Indonesian  
**Previous Name(s):** Penrod 67  
**Year Built:** 1976  
**Builder:** Marathon Shipbuilding Clydebank, Scotland  
**Upgrade:** 2004 & 2005  
**Design:** Marathon LeTourneau 84-C Enhanced Jackup  
**Classification:** ABS A-1 self-elevating drilling unit

### MAIN DIMENSIONS

**Length:** 237.8ft (298.7ft incl. Heli-deck)  
**Breadth:** 227.5ft  
**Depth:** 26ft  
**Legs:** 3 x 511ft (Square Truss)  
**Leg Spacing:** 142ft between stern legs; 129ft between stem and bow legs  
**Cantilever:** 60ft x 30ft (70ft with extensions).  
**Spud Cans:** 46ft diameter across flats  
**Deck Area:** Main Deck: 5,210 ft<sup>2</sup> - Cantilever: 3,264 ft<sup>2</sup>

### DRAFT AND DISPLACEMENT

**Transit Draft:** 16.0ft  
**Displacement:** 26,514 kips (Transit)

### MACHINERY

**Main Power:** 3 x EMD 16-645-E8 Root Blown diesel engines each rated at 2,200Hp, each driving 1 x 2,100KW 600V AC generator EMD AB-20-N6.  
**Power Distribution:** Six bay Ross Hill, 750V DC SCR EMD AB-20-N6  
**Emergency Power:** Cat D398 driving a Kato 600KW generator.

### OPERATING PARAMETERS

**Water Depth:** 25ft Min – 350ft Max  
**Drilling Depth:** 30,000ft (Maximum)  
**Leg length below hull:** 407 ft (with 41ft Min Air Gap)  
**Air Gap:** 115ft max  
**Transit Speed:** 4kt historical average  
**Survival Conditions:** 42ft wave; 100knots wind  
**Criteria Design:** 40ft wave; 70 kt wind

### DRILLING EQUIPMENT

**Derrick:** Dreco bottleneck; 1,500,000lbs hook load  
**Drawworks:** National 1625 DE, with Baylor 15050 electric brake with 2040 controls and battery backup  
**Rotary:** National C-375 Hydraulic 750t  
**Top Drive:** Varco TDS-4H – 750t and GE 752 motor  
**Travelling:** National Oilwell 750t  
**Handling:** Varco ST-120 I.R. PS-21 Slips power slips Rotating Mouse hole.  
**Cementing:** Schlumberger CPS 361, Dual Pump, 15,000Psi (3rd party)  
**Mud Pumps:** 3 x National 12-P-160 triplex, 1,600Hp each powered by 2 x EMD D-79 electric motors c/w "P-Quip" liner and rod retention system.  
**Drill Pipe:** 20,000ft x 5 1/2" (HT-55) S-135 DP; 7,500' x 4" (XT39) S135 DP  
**HWDP:** 60 x 5 1/2" (HT-55) HWDP; 40 joints 4" (XT39) HWDP  
**Drill Collars:** 9 1/2"; 8 1/4"; 6 3/4"; 4 3/4" spiraled collars.

### HOISTING EQUIPMENT

**Crane:** 2 x LeTourneau PSM-120AS electric (1) with 100ft boom, (1) with 120ft boom both (Port Aft) rated 24Ton at 31ft radius. 1 x Favelle Favco 7.5/10K with 120ft boom rated main hoist 50Ton at 30ft radius and fast line 10Ton at all radius.

### CAPACITIES

**Variable Deck Load:** 7,585 kips (Includes Drilling Load)  
**Cantilever Load:** 810 Kips in setback, maximum combined load = 2.6M at 52ft, 1.94M at 60ft, 773K at 60ft x 15ft starboard, 956K at 60 x 15ft port.  
**Total Drilling Load:** 1,200,000 lb.  
**Tubulars in Pipe Rack:** 800 kips on cantilever  
**Liquid Mud:** 2,550 bbl  
**Bulk Mud/Cement:** 6,240 ft<sup>3</sup>  
**Sacks:** 2,500 sacks  
**Drill Water:** 4,638 bbl  
**Potable Water:** 1,294 bbl  
**Brine Storage:** 1,000 bbl  
**Base Oil Capacity:** 1,400 bbl  
**Fuel Oil:** 4,285 bbl  
**Watermaker:** 1 x Specific Equipment – SE-150-RO-AS-1 – 15,000 gpd

### WELL CONTROL SYSTEMS

**BOP:** 1 x Shaffer - 13 5/8" – 5M – Spherical BOP; 2 x Cameron – 13 5/8" – 10M – Type-U – Double Ram BOP; 21 1/4" – 2M – Spherical BOP; 1 x T3 – 20 3/4" – 3M – Double Ram BOP.  
**BOP Handling:** JD Neuhaus 37 1/2 ton air operated hoists  
**Control System:** CAD T Series with two remote controls  
**Diverter:** GE-KFDJ – 37 1/2" – 2,000 psi – c/w 2 x 12" remote operated Overboard Valves.  
**Choke and Kill:** 1 x 3 1/16" – 10M – Choke Manifold with 2 x manual chokes and 2 x remote operated chokes.

### MOORING

**Winches:** 4 x LeTourneau / Electric / Model W-1500  
**Wire:** 1-3/8" diameter / 2,000ft length  
**Anchors:** 4 x Delta Flipper / 5t

### HELIDECK

Astech MI-17 design – Cap 437 – 83ft Octagonal – Aluminium – 13 t Capacity

### JACKING AND SKIDDING SYSTEM

MLT – A.C Electric – rack and pinion Jacking System – 18 pinions/leg – 1 1/2 ft/min; PH Hydraulics – Skidding System

### ACCOMMODATION

110 berths

### ADDITIONAL DATA

4 x Brandt VSM 300 Shakers 1 x VSM 24/3C Desilting Desanding Mud Cleaner; Brandt 1000gpm degasser. Lifesaving equipment: 2 x davit launched self-propelled 61-man Norsafe lifeboats; 6 x 25-man davit launched inflatable life rafts. Martin Decker Instrumentation, GMDS Satellite Comms system; Single Point Discharge, 1 x heli-Sep 5000 oily water separators, Omnipure 12-MC sewage treatment plant; TV System: Rice Camera Solutions IP CCTV 8 camera

### CANTILEVER CAPACITY (kips)

	Reach	+12'	0	-12'
Max combined load & setback	70'	519	1226	422
	60'	762	1910	942
	40'	1659	2600	1847