

Hercules 208

General Information

Design: Bethlehem JU-200
Builder: Bethlehem
Year Built: Delivery 1980/Life enhancement 2008
Class: ABS ✕ A-1 Self-Elev. MODU code 1979

Principal Dimensions:

Length: 157 ft
Breadth: 132 ft
Depth: 18 ft
Legs: 3 x 269 ft
Leg Spacing: 127 ft Longitudinal
110 ft Transverse

Cantilever Envelope: Aft reach 45 ft x port/stb 10 ft

Operating Parameters:

Design Water Depth: 200 ft
Drilling Depth Rating: 20,000 ft
Design Criteria: IMO, SOLAS, & MARPOL

Maximum Allowable Loads:

Variable Load: 3,386 kips (Includes Drilling Load)
Static Hook Load: 1,000,000 lbs
Setback: 500,000 lbs
Rotary: 800,000 lbs
Max Cantilever Load: 1,000,000 lbs

Vessel

Storage Capacities

Fuel: 2,068 bbls
Drill Water: 5,994 bbls
Potable Water: 1,064 bbls
Liquid Mud: 1,695 bbls
Base Oil: 738 bbls
Brine: 1,470 bbls
Bulk Mud/Cement: 6,750 cu ft
Sack Material: 3,000 sacks

Power System

Main Power: 2x EMD 16-645-E9B engines, 2,800 hp each, 900 rpm, powering an EMD AB20-6 Generator, 2,087 kW.

1x EMD 12-645-E8 engine, 1,200 hp, 900 rpm, powering one EMD AB20-6 generator, 895 kW.

Power System: Louisiana Electric 5-bay 1,600 amp SCR system.

Emergency Power: 1x Caterpillar D398, 1200 rpm, 500 kW

Hoisting Equipment

Cranes: 2x Link Belt Model ABS 218A cranes with 90 ft boom, minimum radius of 20 ft. with 72 ton maximum capacity.



Drilling Package

Drilling Equipment

Derrick: Continental Emsco 20R, 147 ft x 30'-4" base, Static hook load capacity of 1,000,000 lbs.

Drawworks: Continental Emsco C3 – Type II driven by two GE-752 electric motors.

Rotary Table: ZP 375 37-1/2 in
Top Drive: NOV TDS-4S-Ton
Crown Block: NOV 500 us ton
Traveling Block: Continental Emsco 500 ton
Mud Pumps: 2 x Two National Oilwell A1700-PT triplex pumps driven by two 800 hp GE-752 electric motors.

Shale Shakers: 3 x NOV VSM-300
1 x Brandt DG-10 degasser.

Well Control System

BOP: 13-5/8" 1x Shaffer annular preventer, 5,000# WP, H₂S trim.
13-5/8" 1x Cameron Type "U", 10,000 psi WP double ram preventer, H₂S trim.
13-5/8" 1x Cameron Type "U", 10,000 psi WP single ram preventer, H₂S trim.

BOP Handling: 2 x Ingersol Rand/ BHS60/05040, 60 ton working load.

Additional Data

Accommodations: 88 berths
Helideck: Rated for: Sikorsky S-61N