

M/V OILFISH

170 CLASS LIFTBOAT

SPECIFICATIONS



HERCULES
Offshore



Dimensions

Length x Beam x Depth (Overall; w/protrusions)	105.0 ft x 70.0 ft x 10.0 ft [32.0 m x 21.3 m x 3.0 m]
Length x Beam x Depth (Moulded Regulatory)	98.2 ft x 50.0 ft x 10.0 ft [29.9 m x 15.2 m x 3.1 m]
Draft (Summer Load-Line to Base-Line)	7.48 ft [2.28 m] (add 3.0 ft [0.91 m] f/protrusion)
Water Depth Max. (f/0 ft Penetr., 10 ft Air Gap, 3 ft Tidal)	128.0 ft [39.0 m]
Displacement // Lightship // DWT // Leg + Pad	832.2 LT // 419.4 LT // 352.8 LT //
Leg Length (incl pad) x Outside Dia // Leg Qty & Type	170 ft x 54 inch [51.8 m x 1.4 m] // 3 Buoyant Tubular
Tower Height // Pad Dimensions	13 ft [3.9 m] // 26 ft x 14 ft x 2 ft [7.9 m x 4.3 m x 0.6 m]
Pad Pressures Preload (est. +30% disp; max bouy)	Varies w/depth & loading; approx. 1/3 of drilling rig

Machinery

Generators	2 x CAT C4.4DITA @ 98kw ea; non-parallel (480v/60hz)
Main Engines // Propulsion	2 x DD 12V-92TA@ 400 bhp ea; tot 800 bhp // 2 x stern FPP
Speed Cruising // Max // Thrusters	8 knots // 9 knots // Not Necessary
Fuel Consumption Cruising // Idle	47.6 gal/hr [180 L/hr] // 7.9 gal/hr [30 L/hr]
Crane Port (static; max reeving)	50 ST @ 17 ft [45.5 MT@ 5.2 m] w/85 ft [25.9 m] lattice boom
Crane Starboard (static; max reeving)	10 ST @ 10 ft [9.1 MT@ 3.05 m] w/50 ft [15.3 m] fixed boom
Jacking System & Speed	Single Rack & Pinion (6/leg); 6 ft/min [1.8 m/s]; 4,500 psig hyd closed-loop fr/ME PTO; Braden

Capacities

Bunks Total	30 in House [crew 5 / catering 3 / charterer 22]; subtract for 24-hr crew etc.
Deck Area Total // Open & Clear	3,200 ft ² [297 m ²] // 2,032 ft ² [189 m ²]
Deck Cargo // Loading	178.6 LT [181.4 MT; 399,997 lbs] // 388 lbs/ft ² [1.89 MT/m ²]
Fuel Oil Tank	33,274 L [28.62 MT; 8,790 USG]; subtract 5% unfillable & 5% un pumpable
Fresh Water Tank	57,523 L [57.52 MT; 15,196 USG]; subtract 5% un pumpable

Regulatory

Registry // Class // Code // Route // Keel // Deliver	Panama // OMCS (LL only) // USCG NVIC 8-91 // Territorial Waters of Nigeria to Angola // 1996 // 1996
Tonnage Gross & Net	465 & 139 Regulatory (465 & 139 ITC)
Shipyard // Hull # // Ex. Names // Mod. History	Conrad (MIF) // C-621 // Sarah David // n/a

Additional Features

V-SAT fr/RigNet: upto 2MB via WiFi & LAN hard-wire; w/VOIP phones
 Ports side crane can be shortened to 85 ft boom with 80 ST capacity

Safety Features

Oil spill containment kit, containment areas, and oily water separator
 Medical Locker & STCW certified first-air providers with stokes litter f/helo evac
 Split engine room for redundancy in: propulsion, jacking, and electrical generation
 High speed jacking for improved safety during close-in platform positioning
 Mechanically driven: props, jacking, & auxiliaries - for enhanced reliability
 Fail-safe jacking system with hydraulic-mechanical interlocks
 ISM compliant system (Permit to Work, LOTO, etc...)