

M/V GEMFISH 105 CLASS LIFTBOAT

SPECIFICATIONS



HERCULES
Offshore

Dimensions

Length x Beam x Depth (Overall; w/protrusions)	87.0 ft x 57.0 ft x 7.0 ft [26.5 m x 17.4 m x 2.1 m]
Length x Beam x Depth (Moulded Regulatory)	74.0 ft x 38.3 ft x 7.0 ft [22.6 m x 11.7 m x 2.1 m]
Draft (Summer Load-Line to Base-Line)	4.45 ft [1.36 m] (add 2.0 ft [0.61 m] f/protrusion)
Water Depth Max. (f/0 ft Penetr., 10 ft Air Gap, 3 ft Tidal)	67.0 ft [20.4 m]
Displacement // Lightship // DWT // Leg + Pad	304.7 LT // 225.6 LT // 79.1 LT //
Leg Length (incl pad) x Outside Dia // Leg Qty & Type	105 ft x 36 inch [32 m x 0.9 m] // 3 Buoyant Tubular
Tower Height // Pad Dimensions	12 ft [3.7 m] // 24 ft x 12 ft x 2 ft [7.3 m x 3.7 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 DD 4-71 @ 75kw ea; non-parallel (220v/60hz)
Main Engines // Propulsion	2 x DD 12V71N @ 340 bhp ea; tot 680 bhp // 2 x stern FPP
Speed Cruising // Max // Thrusters	7 knots // 7.5 knots // Not Necessary
Fuel Consumption Cruising // Idle	29.1 gal/hr [110 L/hr] // 5.3 gal/hr [20 L/hr]
Crane Port (static; max reeving)	16.3 ST @ 7.0 ft [14.8 MT @ 2.13 m]; 1.1 ST @ 50 - 70 ft [1.0 MT @ 15.3 - 21.3 m] telescopic box boom; no fast line
Crane Starboard (static; max reeving)	15 ton Alaskan 1570
Jacking System & Speed	Single Rack & Pinion (6/leg); 8 ft/min [2.4 m/s]; 2,900 psig hyd open fr/ME PTO; Funk P25

Capacities

Bunks Total	20 in House (crew 5 / catering 2 / charterer 13); subtract for 24-hr crew etc.
Deck Area Total // Open & Clear	2,000 ft ² [186 m ²] // 1,313 ft ² [122 m ²]
Deck Cargo // Loading	44.6 LT [45.4 MT; 100,000 lbs] // 200 lbs/ft ² [0.98 MT/m ²]
Fuel Oil Tank	8,176 L [7.0 MT; 2,160 USG]; subtract 5% unfillable & 5% unpumpable
Fresh Water Tank	15,142 L [15.6 MT; 4,000 USG]; subtract 5% unpumpable

Regulatory

Registry // Class // Code // Route // Keel // Deliver	Nigeria // NIMASA (LL only) // USCG NVIC 8-91 // Territorial Waters of Nigeria to Angola // 1978 // 1978
Tonnage Gross & Net	222.84 & 74.44 Regulatory (222.84 & 74.44 ITC)
Shipyard // Hull # // Ex. Names // Mod. History	Sun Contractors // TBD // Mene Afejuku // ex.120 [same hydrostatics]; 70 ft Orig ; 2009 installed Stbd crane

Additional Features

V-SAT fr/RigNet: upto 2MB via WiFi & LAN hard-wire; w/VOIP phones
Moon Pool 12" (10' from bow; 18" stbd of c/L)

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...)

