# M/V BULL RAY
## 280 CLASS LIFTBOAT

### Dimensions
- Length x Beam x Depth (Overall; w/protrusions): 245 ft x 120 ft x 13 ft [74.7 m x 35.6 m x 4 m]
- Length x Beam x Depth (Moulded Regulatory): 176.6 ft x 113.3 ft x 13 ft [53.8 m x 34.5 m x 4 m]
- Draft (Load-Line to Base-Line): 10.74 ft [3.27 m] [add 3.0 ft for rudder / propeller protrusion]
- Depth Max. (f/0 ft Penetr., 10 ft Air Gap, 3 ft Tidal): 200 ft [60.95 m]
- Displacement / Lightship / Dead Wgt (Ops. Man.): 3713.03 LT / 2991.84 LT / 716.32 LT
- Leg Length x Outside Diameter: 280 ft x 102 inch [85.4 m x 2.6 m]
- Pad Dimensions; Port & Starboard: 49 ft x 29 ft [14.95 m x 8.85 m]
- Pad Dimensions; Aft: 38 ft x 40 ft [11.59 m x 12.2 m]
- Tower Height [M. Deck to Bottom of Grease Cup]: 44 ft [13.42 m] Port & Stbd / 23 ft [7.0 m] Aft

### Machinery
- Generators: 2 x CAT 3412 @ 500 kW each; paralleling [480v/60hz] 62 KVA, 820A
- Propulsion: 2 x CAT 3512@ 1,575 hp each; total 3,150 hp
- Jacking: 2 x CAT 3412 D @ 632 kW each
- Bow Thruster: 500 hp - SMI MODEL 500
- Speed Cruising / Max: 165.1 gal/hr [825 L/hr] / 11.1 gal/hr [42 L/hr]
- Fuel Consumption Cruising / Idle: 189 ST@ 40 ft radius (171.82 MT@ 12.2 m) w/150 ft (48.8 m) lattice boom
- Crane Port: 200 ST@ 50 ft radius (181.81 MT@ 15.25 m) w/120 ft (36.6 m) lattice boom
- Crane Starboard: 50

### Capacities
- Bunks Total: 8,290.2 sq ft (770.2 sq m)
- Deck Area [Open & Clear]: 500 ST (453.72 MT) [446.42 LT]
- Fuel Oil Tank: 146,700 L (126.95 MT) [38,754 US GAL]; subtract 5% unfillable & 5% unpumpable
- Fresh Water Tank: 112,324 L (115.93 MT) [29,676 US GAL]; subtract 5% unpumpable

### Regulatory
- Registry / Class / Endorsement / Route / Keel Laid: PANAMA / BV / SOLAS / Near Coastal Voyages / 2007
- Tonnage Gross & Net: 2,559 & 767 Regulatory 2,559 & 767 ITC
- Shipyard / Hull # / Ex. Names / Mod. History: SEMCO LLC / 1014 / KS Titan 2 / ∞/a

### Additional Features
- *Helideck*; D-48 ft; 12,000 lbs.
- *Welding Gear*
- *Water Makers, 2 x 6,000 gal/day*
- *14 Public Address Stations*
M/V BULL RAY
280 CLASS LIFTBOAT

STATIC AND DYNAMIC LOAD CAPACITY CHART
SEATRAX SERIES 105 MODEL S10532
MAX SWL 189 SHORT TONS

OPERATING LIMITS:
Max. Water Depth = 200 ft
Max. Leg Penetration = 10 ft
Max. Air Gap = 32 ft

180 FT BOOM LOAD CHART

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STATIC AND DYNAMIC LOAD CAPACITY CHART
SEATRAX SERIES 105 MODEL S10532
MAX SWL 200 SHORT TONS

OPERATING LIMITS:
Max. Water Depth = 200 ft
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