

DERRICK BARGE 30

HEAVY LIFT & S-LAY



Derrick/lay barge with heavy-lift and pipelay capabilities

Official Flag: Malaysia
Built/Year: Japan - 1975, Conversion - 1999
Class: ABS + A1, Barge

Hull Dimensions

LOA: 420 ft [128 m]
Beam: 158 ft [48.2 m]
Depth: 28 ft [8.5 m]
Operating Draft: 12 ft [3.65 m] min. / 19 ft max. [5.79 m]

Towing

Storm Anchor: 1 to meet regulatory body approval
Anchor System: 12 @ 35,714 lb [11,339.8 kg] anchor;
5,500 ft [1,676.4 m] of 2.5 in wire



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Communication & Navigation

Communication: data / fax / phone / VSAT

Radio: VHF, GMDSS, SSB

Radar: 1

Gyro Compass: 1

Echo Sounder: 1

Accommodation

Berths (air conditioned & heated): 302

Medical: clinic with two beds

Other Facilities: galley, mess room, laundry, movie room, conference room, exercise room, internet café, customer offices

Power

Distribution: 440 V, 220 V, 110 V, 60 Hz

Main Generator: 3 @ 910 kW + 1 @ 1,360 kW

Emergency Generator: 1 @ 320 kW

Towing Speed: 6 kts

Safety

Life Raft: 38 @ 25-persons

Rescue Boat: 2

Safety System: Meets flag and regulatory body requirements

Tanks

Fuel: 423,521 usg [1,603,214 L]

Ballast Water: 3,550,375 usg [13,439,734 L]

Potable Water: 147,748 usg [521,437 L]

Fresh Water: 557,273 usg [2,109,523 L]

Lube Oil: 10,000 usg [37,854 L]

Cranes

Crane: Clyde Model 76

Boom Length Main: 235 ft [71.6 m]

Boom Length Aux: 270 ft [82.3 m]

Boom Length Whip: 300 ft [91.4 m]

Main Hook Capacity Fixed: 3,080 ST [2,794.1 MT]

Main Hook Cap Revolving: 2,450 ST [2,222.6 MT]

Aux Capacity: 750 ST [680.4 MT]

Aux Whip: 250 ST [226.8 MT]

Deck Crane: 2 AH&D 203 gantry cranes; 110-ft [33.5 m] boom

Pipelay Equipment

Min. OD: 4 in

Max. OD: 60 in

Tension Machine: 2 @ 275 kip [124.74 MT]

Tension Capacity: 550 kip [249.5 MT]

A & R Hoist: 700 kip [317.5 MT]

Wire Rope: 2,500 ft [975.4 m] @ 3.0 in

Ramp Station: welding (5); repair/x-ray (1); field joint (3)

Davits: Portable (installed as required)

Max. Water Depth: Case-by-case

Min. Water Depth: 17 ft [5.2 m]

AWE: Manual or automatic per project requirement

Equipment

Air Compressor: 2 @ 670 cfm, 120 psi, 1 @ 600 cfm, 120 psi [2 @ 19 m³/min, 8.3 bar; 1 @ 17 m³/min, 8.3 bar]

Jet Pump: 1 @ 1,250 gpm, 250 psi
[1 @ 4,731.8 L/min, 17.2 bar]

Welding Machine: manual and automatic

Boilers: 2,000 hp; 69,000 lb steam/hr @ 275 psi [2,000 hp; 31,297.9 kg steam/hr @ 19 bar]

Antipollution: oil spill response kit

Water Maker: 2 @ 18,492 usg/day [70,000 L/day]

Helideck: 72 ft x 72 ft [22 m x 22 m], suitable for Sikorsky S61 & S92

Construction Equipment: assisting tugs, material barges, survey equipment, diving systems, x-ray, NDT, and hammer equipment, as required on a project-specific basis

Contact

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