

# 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



## 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 m<sup>3</sup>/min, 8.3 bar; 1 @ 17 m<sup>3</sup>/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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