



Name	Official Number	Year Built
HDB 401	399474	2014
HDB 402	399475	2014

HDB SERIES BALLASTABLE

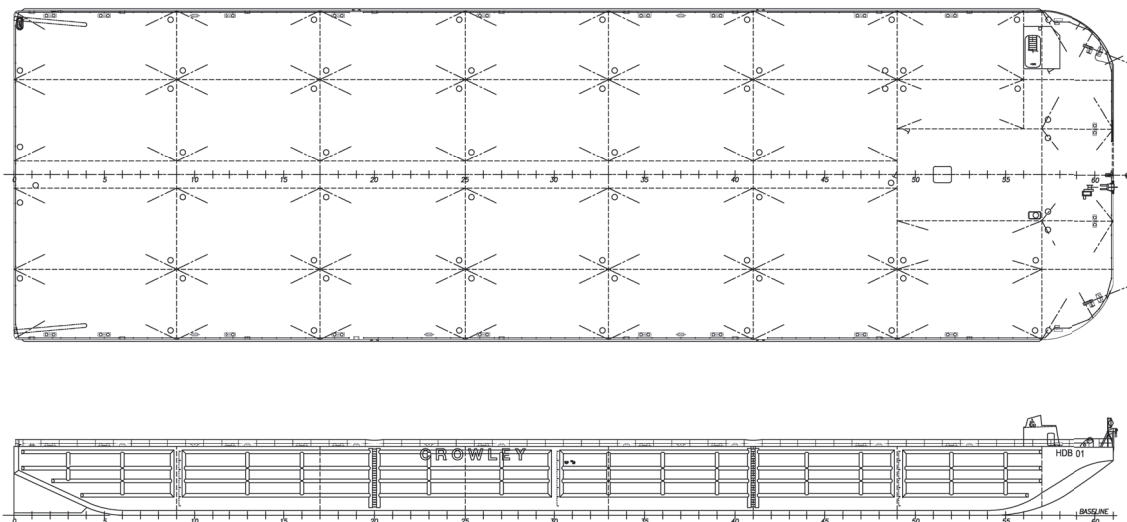
400ft x 120ft x 25ft • 121.92m x 36.50m x 7.62m

Crowley is pleased to introduce two new 400-foot-long, 120-foot-wide (122 meter x 36.5 meter) heavy-lift deck (HDB) barges named *HDB 01* and *HDB 02* which are positioned in Batam, Indonesia in order to support regional customers with marine projects. The barges have 25-foot (7.6 meter) side shells, which provide both the capacity and deck strength (up to 4,200 pounds per square foot [25 tons per square meter] needed to accommodate larger drilling and production units used for deepwater offshore energy exploration and development.

Additionally, the HDB series barges are designed with more robust ballast systems to deal with high tidal ranges found in the region's load and discharge ports, and with the internal strength to withstand setting on bottom of the seabed while loaded if so dictated by shallow discharge ports where tidal movement may be problematic.

The barges are ABS-classed, with an approximate dead weight capacity of 20,000 metric tons. Both were designed by Crowley's naval architecture and marine engineering subsidiary Jensen Maritime.

Deadweight (MT)	Draft (m)	Displacement (MT)	Tons/cm (MT/cm)	Load Line
19000	5.00	24000	45	
18000		23000		
17000		22000		
16000		21000		
15000	4.00	20000	44	
14000		19000		
13000		18000		
12000		17000		
11000	3.00	16000	43	
10000		15000		
9000		14000		
8000		13000		
7000	2.00	12000	42	
6000		11000		
5000		10000		
4000		9000		
3000	1.00	8000	41	
2000		7000		
1000		6000		
0		5000		
		4000	40	



GENERAL SPECIFICATIONS

Flag Registry

Singapore

Overall Dimensions

Length 400' • 122m
 Breadth 120' • 36.5m
 Depth 25' • 7.6m
 Loaded Draft . . . 19' • 5.8m
 Light Draft 3.6' • 1.1m
 Deadweight . . . 22,045ST •
 20,000MT
 Lightship 4,691ST • 4,256MT
 Deck Area 41,650ft² • 3,864m²
 Deck Unit Load . 5,000lbs/ft² •
 25tonnes/m²
 ITB Tonnage. . . . 9215 GT / 2304 NT

Bulkheads

(4) longitudinal, (8) transverse +
 pump room

Double Bottom in Pump Room

32 Ballast Tanks

Spoon Shaped Bow/Raked Stern with 2 Skegs

Hull Fittings

Booby Hatch w/ W.T. Door to Pump
 Room • Bollard Bitts • Kevels •
 Panama Canal Chocks • (2) Manhole
 Hatches per Tank • Split Pipe Side
 Fenders (4) Courses • Side Shell
 Ladders (2) Recess/ (2) Mounted
 Per Side • Bridle Retrieval Davit •
 Removal Two Tier Cable Hand Rail

Equipment Auxiliaries

(1) Cat Model C.4 Diesel driven
 generator, 24VDC starting 240 VAC;
 60 Hz; 3 Phase

Lighting

Electrical lighting in pump room,
 pipe alley and shore power
 connection • Battery powered
 navigation lights

Ballast Pumps

Two diesel driven 2500m³/hour
 (11,000 gpm) capacity at 21 meters
 (70 feet) head

Stripping Pump

One 550 gpm self-priming, electric
 driven, centrifugal, 4" suction

Bridle Winch

Electric drive to retrieve bridle chain

Smit Brackets

Two towing brackets, bow mounted

Tank Gauging

Pneumatic remote readout

Emergency Tow Wire

63.5mm (2.5 inch) diameter wire rope
 connected to a bow mounted towing
 padeye and clipped to the deck
 edge and extending to the stern. A
 stripping retrieval line is clipped to
 the deck which in turn connects to a
 flotation line/buoy

Towing Bridle

3" diameter, grade 3, stud link chain
 x 90' long bridle with a 45' lead
 section for connection to tug's tow
 wire

Builder

2014 by Seabridge Marine
 Contractors Ltd/Jiangsu
 Yangzijiang Shipbuilding Co., Ltd.

Certification

ABS + A1, Deck Cargo Barge,
 Ballastable

All information contained herein (including but not limited to any specifications, particulars, capacities, or capabilities) is believed to be correct, but is not guaranteed and is subject to change without notice.

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