



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

## HDB SERIES BALLASTABLE

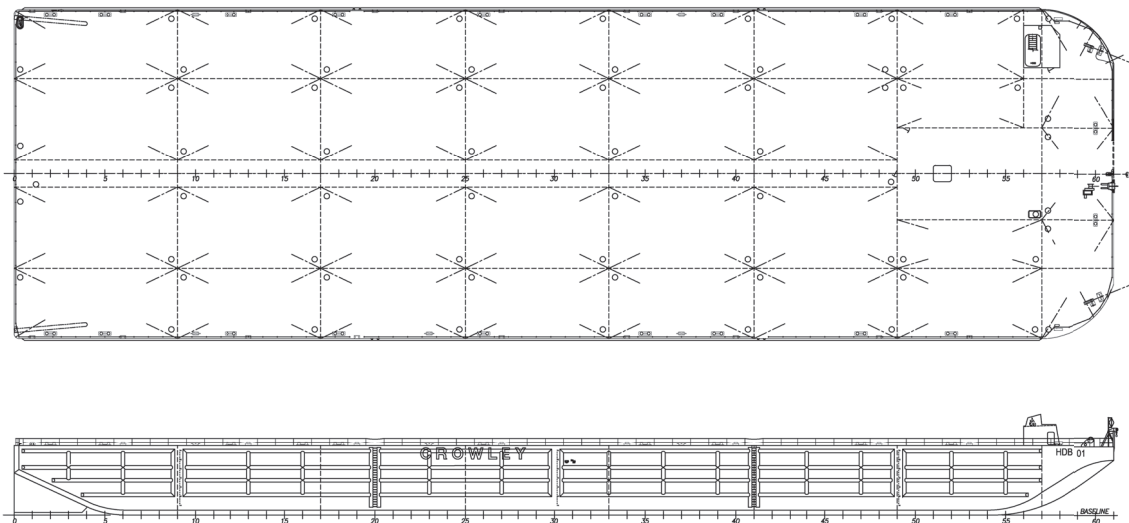
400ft x 120ft x 25ft • 121.92m x 36.50m x 7.62m

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 . . . . . 41,650ft<sup>2</sup> • 3,864m<sup>2</sup>

Deck Unit Load . 5,000lbs/ft<sup>2</sup> •

25tonnes/m<sup>2</sup>

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 2500m<sup>3</sup>/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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