

HDB SERIES BALLASTABLE HEAVY DECK CARGO BARGE



GENERAL SPECIFICATIONS

Flag Registry
Singapore

Certification
ABS + A1, Deck Cargo Barge
Ballastable

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 • 25 tonnes/m²
ITC Tonnage.....9,211GT • 2,763NT

Bulkheads
(4) longitudinal, (8) transverse +
pump room, longitudinal
access/pipe alley

Double bottom in Pump Room

32 Ballast Tanks

Ballast Water Treatment System
Ecochlor EcoOne OS-2150-1.5
Chlorine dioxide injection system
Treatment Rated Capacity @ 2,500 m³/hr

**Spoon Shaped Bow/Raked Stern
with 2 Skegs**

Hull Fittings
Booby Hatch w/ W.T. Door to Pump
Room • Bollard Bits • 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 •
Removable 2 Tier Cable Hand Rails

Equipment Auxiliaries
(1) John Deere 99kW Diesel Driven
Generator, 24VDC starting 240VAC;
60Hz; 3 Phase with Kongsberg MSB

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

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

Stripping/Bilge 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 & Ballast Valve Control
Kongsberg KChief remote electronic
level monitoring and valve control
system with Bray electric operated
butterfly valves

Emergency Tow Wire
63.5mm (2.5") diameter wire rope
connected to 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.