



# BOA



- Submersible to 18 m forward / 21 m aft above deck
- Heavy cargo up to 30,200 t
- Voluminous cargo up to 5,800 m<sup>3</sup>
- Extreme deck strength of 31.5 t/m<sup>2</sup>

## BOABARGE 33

Semi Submersible Heavy Deck Cargo Barge



# BOABARGE 33

## General Information

Vessel's Name	BOABARGE 33
Flag	Norwegian, NOR
Port of Registry	Trondheim
Call sign	LG4413
Class Society	DNV
Class Notations	@1A1 Barge for Deck Cargo (DK+)
Year Built	2011
Builder	PRC
Place Built	PRC
Owner	BOA Barges AS
Manager	BOA Management AS

## Dimensions

Length, Overall	140 m
Breadth, Sponson/Max	56.74 m/ 57.05 m
Breadth Outside Towers	60.40 m
Depth, Moulded	8.54 m
Draught, Loaded	6.30 m
Web Frame Spacing	2 m
Long. Stiffener Spacing	0.61 m
Gross Tonnage	15,551 t
Net Tonnage	4,665 t

## Cargo Capacities

Deadweight (T = 6.30 m)	30,200 t
Deck Space	5,800 m <sup>2</sup>
Deck Strength	31.5 t/m <sup>2</sup>

## Submerging Depths

Max Submerging Depth Fwd	26.5 m above BL (18 m above deck)
Max Submerging Depth Aft	29.5 m above BL (21 m above deck)
Grounding	Barge can be submerged by grounding the stern on the sea bed

8 additional floating tanks for free floating submerging operations

## Tank Capacities

Ballast Tanks (total capacity)	37,750 m <sup>3</sup>
Sponson Tanks	9,270 m <sup>3</sup>
Deckhouse Tanks	1,154 m <sup>3</sup>
Bilge Tanks (total)	34.3 m <sup>3</sup>
Sewage (total)	7.8 m <sup>3</sup>
Fresh Water	15.2 m <sup>3</sup>
Fuel (total)	44.3 m <sup>3</sup>
Lub. Oil Store	0.65 m <sup>3</sup>
Hydr. Oil Store	1.3 m <sup>3</sup>
Misc. Oil Store	0.65 m <sup>3</sup>

## Ballast System

Ballast Pumps (diesel driven)	2 x 3.000 m <sup>3</sup> /hr
Ballast Pumps (electrical driven)	1 x 750 m <sup>3</sup> /hr
Ballast Pumps Sponsons	2+2 x 1.000 m <sup>3</sup> /h
Service Pump (electrical driven)	400 m <sup>3</sup> /hr
Ballast Ejector	250 m <sup>3</sup> /hr
Ballast Tanks	27 x tanks, all located in pontoon 8 x tanks in sponson
Remote operated pumps, valves and sounding system from control room	

## Power Supply

Main Generators	2 x 269 kVA (2 x 345 kW), 440 V, 60 Hz powered by Caterpillar diesel engines
Work Generator	1 x 145 kVA (1 x 129 kW), 440V, 60 Hz powered by Caterpillar diesel engine
Harbour Generator	1 x 22 kVA (1x 18 kW), 440V, 60 Hz powered by Hatz diesel engine
Add. Gen Set	Approx. 300 kW

## Anchor & Mooring Equipment

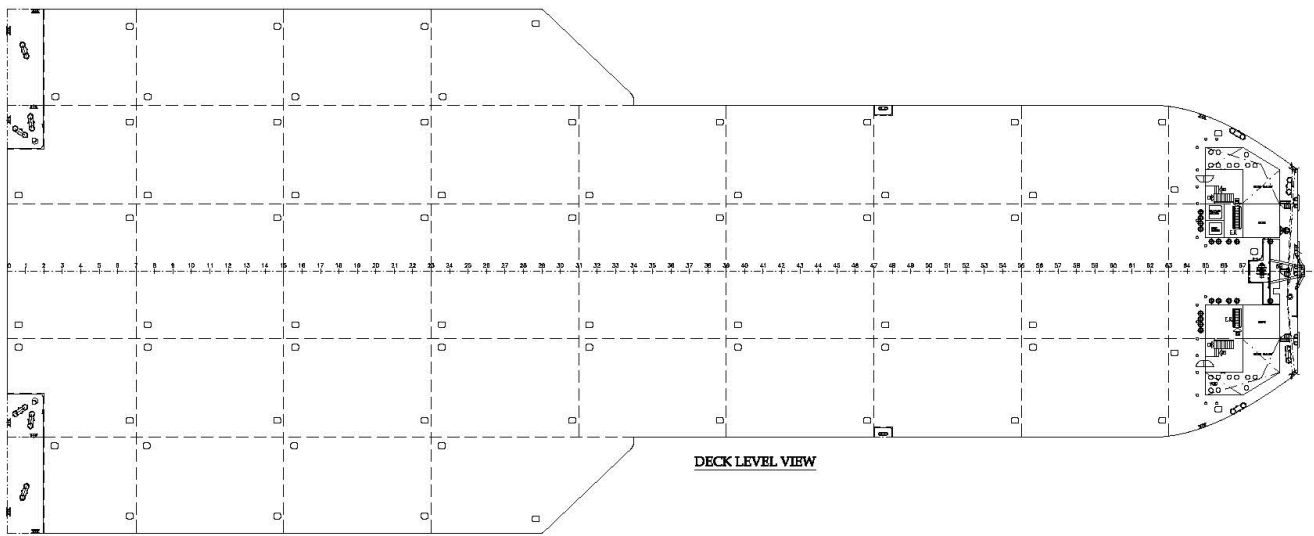
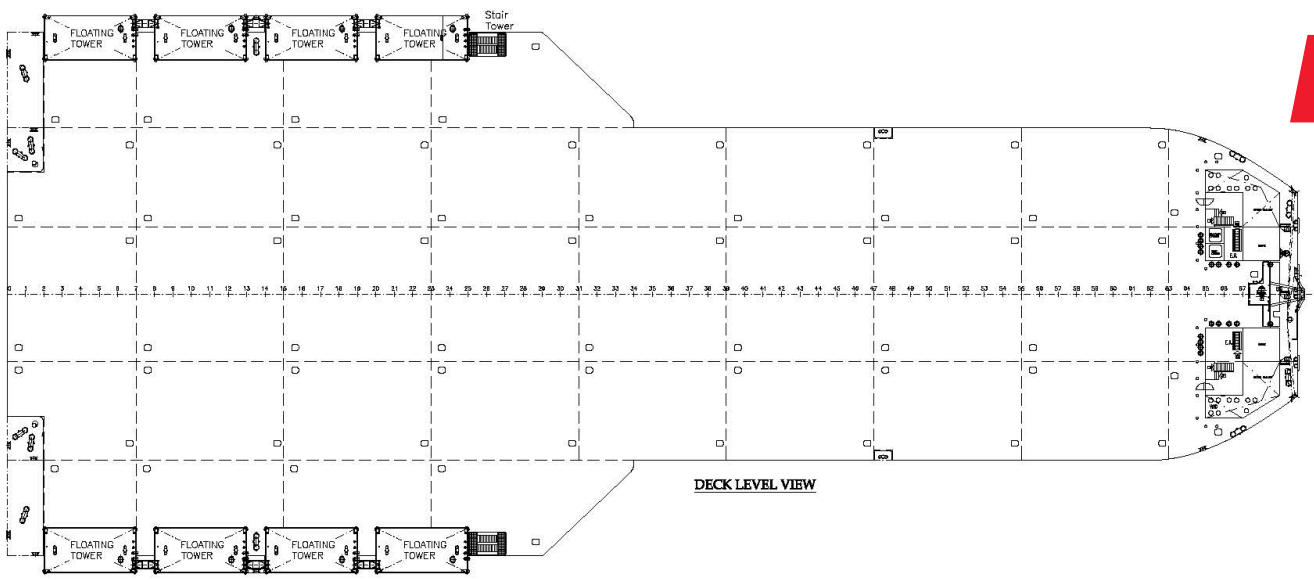
Anchor Winch	1 x hydraulic winch  1 x hydraulically operated retrieving winch with warping head on top of breakwater between deck houses forward. Pulling force 12 tonnes
Work winches	2 x double drum on winch deck
Rope capacities	
Anchor	1 HHP Anchor, weight 4500 kg. 328 m of 58 mm dia. NVK3 chain
Capstans	3 x 12 t pull
Bollards	Size 315/500

## Towing Equipment

Towing Bridle	Each legs 20 m, tow plate and 9 m long fore runner
Emergency Towing	1 x Smit bracket, breaking load 500 tonnes 5 m of 66 mm dia. chain, MBL 330 tonnes, 130 m of 74 mm dia. wire running along port side of barge, MBL 3365 kN
Recovery System	Recovery winch A-frame with chain on main deck forward
Towing Brackets	3 forward 500 t

## Accommodation

Accommodations	16 beds
Day room	1
Meeting room	1





#### **CORPORATE HEADQUARTERS**

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