



- Submersible to 18 m forward / 21 m aft above deck
- Heavy cargo up to 30,200 t
- Voluminous cargo up to 5,800 m³
- Extreme deck strength of 31.5 t/m²

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 ²
Deck Strength	31.5 t/m ²

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)
8 additional floating tanks for free floating submerging operations	

Tank Capacities

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

Ballast System

Ballast Pumps (diesel driven)	2 x 3.000 m ³ /hr
Ballast Pumps (electrical driven)	1 x 750 m ³ /hr
Ballast Pumps Sponsons	2+2 x 1.000 m ³ /h
Service Pump (electrical driven)	400 m ³ /hr
Ballast Ejector	250 m ³ /hr

Ballast Tanks 27 x tanks, all located in pontoon
8 x tanks in sponson

Ballast Water Treatment System	Electrocatalisys 1000 m ³ /hr
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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

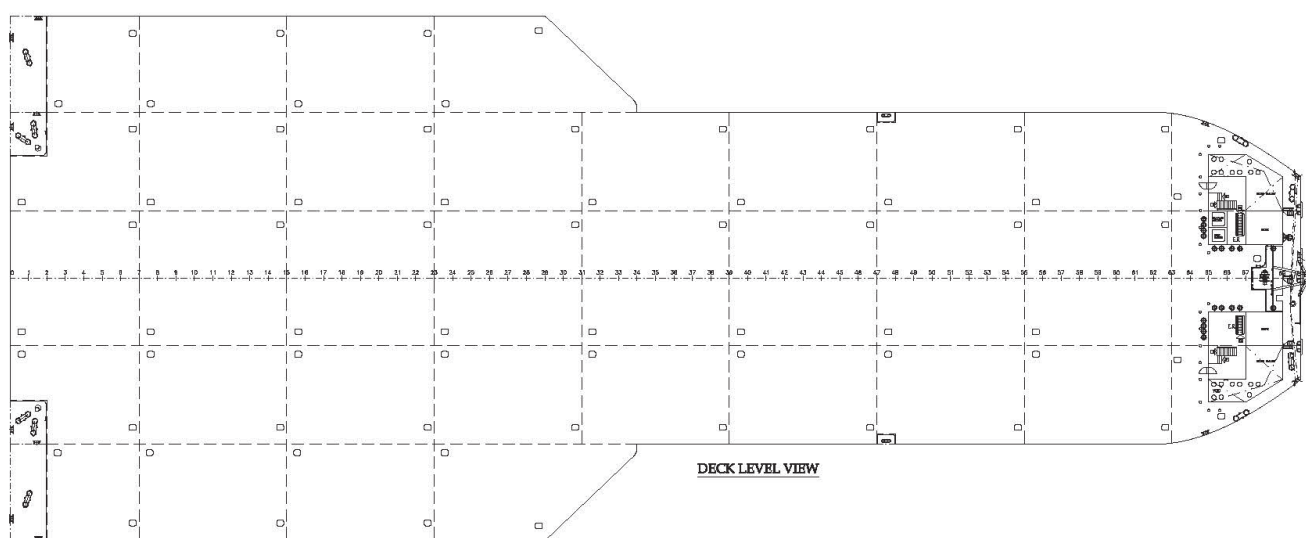
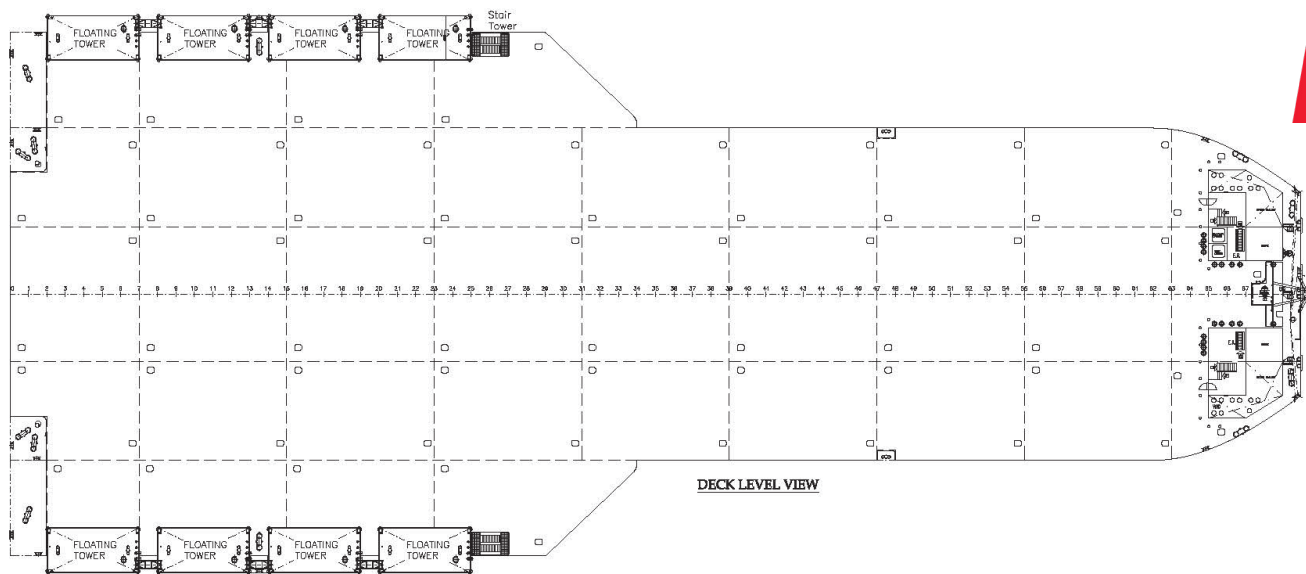
Anchor Winch	1 x hydraulic winch 1 x hydraulically operated retrieving winch with warping head on top of breakwater between deck houses forward. Pulling force 12 tonnes
Work winches	2 x double drum on winch deck
Rope capacities	
Anchor	1 HHP Anchor, weight 4500 kg. 328 m of 58 mm dia. NVK3 chain
Capstans	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 1 x Smit bracket, breaking load 500 tonnes
Emergency Towing	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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