



BOA



• 65 Tonnes Bollard Pull

BOA HEIMDAL

ASD Harbour/Towage/Salvage Tug



BOA HEIMDAL

General Information

Vessel's name	BOA HEIMDAL
Call sign	LDDI
Owner	Boa Tugs AS
Manager	Boa Management AS
Type	ASD Tug
Design	Rampart 3200
Year built	2010
Builder	Med Marine
Place built	Turkey
IMO number	9551909
Flag	NOR
Port of Registry	Trondheim
Class society	DNV-GL
Class Notation	1A1 Tug Escort (n.V) Fire Fighter I E0

Main Particulars

Length Overall	32 m
Length pp	30 m
Breadth moulded	11.6 m
Depth moulded	5.36 m
Max. Draught	5.9 m
Gross tonnage	490
Net tonnage	147

Performance

Service speed	10 knots
Maximum speed	14 knots
Consumption service	5.5 m ³ /day (approx.)
Type of fuel	Marine Gas Oil
Bollard pull	65 t

Main Engines & Propulsion

Main engines	2 x Caterpillar, type 3516 BHD
Output	2 x 1,920 kW at 1,600 rpm
Auxiliary engines	2 x 296 kW / 1,800 rpm
Generators	2 x CAT 250 kW
Harbour generator	1 x CAT 76 kW / 1,800 rpm
Propellers	Twin LIPS CS250-S/WN-K, propeller speed 266 rpm
Bow thruster	1 x 200 kW

Radio & Navigation Equipment

Radar	2 units "X" Band. JMA 10 kw & 6 kw
Echo Sounder	1 unit Skipper GDS 101
Gyro Compass	1 unit Standard 22 and Anschutz repeaters In front and aft wheelhouse
Magnetic Compass	1 unit Refleta 1. Class A

Speed log	1 Skipper EMI 224
Autopilot	1 unit pilotstar D
DGPS Navigator	1 unit, R4, DGPS SAAB
AIS	1 unit R4-V 5,0 AIS System, SAAB
Ship Security Alert System	1 unit, Sailor. GMDSS for Area 3 - World Wide, Sailor system 5000. VSAT, Internet, IP telephony
ECDIS (double)	Tecdis

Deck Equipment

Towing winch aft	Double drum
Main with towing wire	1,050 m with dia. 52 mm
Spare with towing wire	660 m with dia. 52 mm
Break capacity	130 t
Operated locally and from wheelhouse	
Towing winch fwd	Single drum
Dynema fiber rope	200 m with dia. 52 mm
Break capacity	130 t
Slow pulling	35 t on 6 m/min
Fast pulling	10 t on 20 m/min
Operated locally and from wheelhouse	
Spare Tow Wire Reel	300 m of dia. 52 mm
Anchor Handling Equipment	
Towing pins	DTP12SH, Breakload 249 m/tat 15 dgr. 46 m/t at 90 dgr.
Deck crane	HS-Marine AK25HE4
Shark Jaws	SWL 180 T
Stern roller	3 x 1.3 m
Tugger, Mooring System	
Tugger winches	1 x 15 t
Misc Deck Equipment	
Power supply on deck	4x3 fas x 32 amp. 8x1 fas x 16 amp.
50 m ³ . Oil recovery tanks under class. DNV Oilrec.	

Capacities

Accommodation	8 persons
Cargo deck	
Length	6 m
Breadth	10 m
Clear area	60 m ²
Tank Capacity	
Fuel oil	140 m ³
Fresh water	44 m ³
Liquid foam	15 m ³

Rescue & Life Saving Equipment

According to SOLAS and safe manning certificate

Bridge Equipment

Oil spill Detection Radar Rutter Sigma S&OSD Processor

Securus System Aptomar Infra Red Camera

Ice Searchlight Wiska

Fire Fighting

Internal fire-fighting	Fully complies with SOLAS requirement
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CO2 fire-fighting system for engine room

External fire-fighting FIFI 1

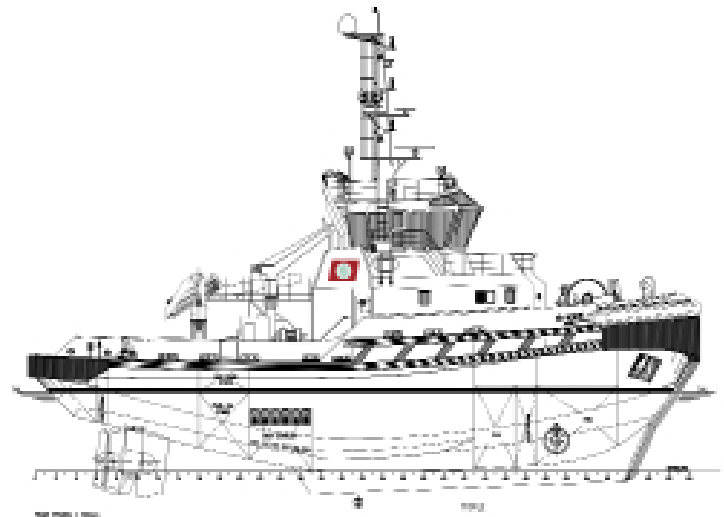
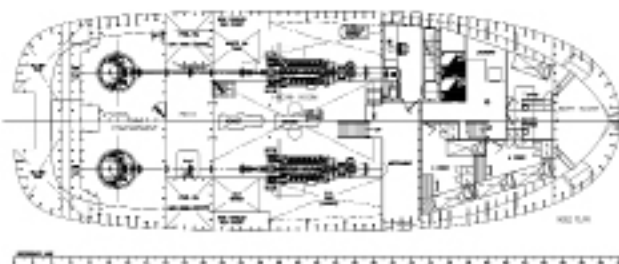
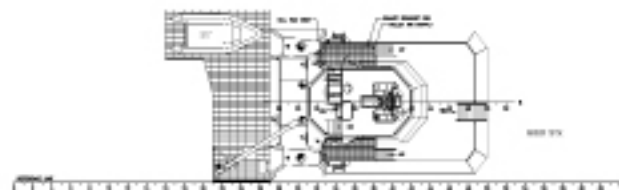
Fire pump	2 x 1436 m ³ /hr at 120 mlc and 1800 rpm
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Fire monitor 1 each foam/water monitors
1200 m³/hr 12 bars
120m throw length - 70 m with foam

Emergency fire pump	1 x 25 m ³ /hr @ 40 m head
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DetergentSprayMonitors	1 unit each at Port & Starboard
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Salvage pump	2 x 200 m ³ /hr
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CORPORATE HEADQUARTERS

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