

BASSOE TECHNOLOGY



ATLANTICA GAMMA

BT-HTB





ATLANTICA GAMMA BT-HTB – HEAVY TENDER BARGE

The Atlantica Gamma is a Bassoe Technology designed Heavy Tender Barge (HTB). The Atlantica Gamma was built at DSIC, Dalian, China for delivery to Atlantica Tender Drilling in 2015.



GENERAL	
Class	⚡A1 Barge, Drilling Tender, (P)
Flag	Panama
Rules and regulations	IMO MODU Code, IMO SOLAS, IMO MARPOL, IMO Load Line
Operational areas	South East Asia, West of Africa
POB	140 people
Heli deck	Sikorsky S-61N and S-92, CAP 437

DESIGN CRITERIA	
Water depth, self-contained mooring	200 m
Maximum drilling depth	7,000 m

MAIN DIMENSIONS	
Length over all	112.9 m
Beam over all	35.8 m
Length between p.p.	98.1 m
Beam moulded	27.4 m
Depth moulded	11.1 m

STORAGE CAPACITIES		
Liquids		
Mud pits	1,160 m ³	7,300 bbls
Base oil	400 m ³	2,500 bbls
Brine	650 m ³	4,100 bbls
Drill water	1,685 m ³	10,600 bbls
Fuel oil	555 m ³	3,500 bbls
Potable water	635 m ³	4,000 bbls
Bulk		
Total bulk storage	455 m ³	16,000 cu ft
Sack storage	6,500 sacks	

PAYLOAD CAPACITY	
Draught	6.3 m
Payload	6,000 tonnes

MAJOR EQUIPMENT	
Tender Drilling Unit	
Power generation	6 x 1,830 kW _e
Mooring system	8 x 64 mm wires
Mud pumps	3 x 1,600 hp @ 7,500 psi
Main crane	175 tonnes @ 37 m, max radius 58 m
Auxiliary crane	19 tonnes @ 25 m, max radius 41 m
Mast Equipment Package	
Dry weight	850 tonnes
Max operating weight	Dry weight +915 tonnes of live load
Skidding system	Lift & Roll Systems, X/Y skidding
Drilling mast	1,000 kips static hook-load, 152 ft clear working height, self-erecting bootstrap type
Setback	1,000 kips
Pipe handling	Mechanized casing stabbing of range 2 and 3 tubulars
Pipe transfer	Hi-line system
Top drive	500 sh tons
Drawworks	2,000 hp
Rotary table	37½" diameter
BOP stack	13 ⁵ / ₈ " BOP, 4 rams @ 10,000 psi, one annular @ 5,000 psi
Mud treatment	4 shale shakers, degasser, desander, desilter +Room for 3rd party cuttings drier system

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Bassoe Technology is an independent designer of advanced mobile offshore units. Since 2013 owned by CIMC Offshore, with the largest semi-submersible drilling rig manufacturing center in China – Yantai CIMC Raffles Shipyard.

