

ENA Shogun

200TBP / 16,314 bhp / DP2 / FIFI1 / AHTS



ENA Shogun

16,314 bhp
DPS-2 Positioning System
Built 2011
200 MT Bollard Pull
350 MT Winch Pull
FIFI-1
500 m ² Deck Space
950 m ³ Fuel Oil Capacity
590 m ³ Fresh Water Capacity
430 m ³ Mud Capacity
156 m ³ Base Oil Capacity
250 m ³ Cement Capacity

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Principal Particulars

Flag	Singapore
Built	2011
Length Overall	75.27 m
Length B.P.	65.00 m
Beam Overall	18.00 m
Depth Moulded	8.10 m
Max Draft	6.60 m
GRT	3,260
NRT	978
Dead Weight	3,118 Tons
Max Speed	16 knots @ 100% MCR
F.O consumption	53 MT/day @ Max speed 29 MT/day @ Eco speed

Classification

ABS +A1(E) Offshore Support, Towing, Anchor Handling & Fire Fighting Vessel, +DPS-2

Capacities

Fuel Oil	950 m3
Potable Water	590 m3
Mud	430 m3
Base Oil	156.75 m3
Dry Bulk	4 x 62.5 m3 (Total 250 m3)
Water Ballast/ Drill Water	1,250 m3
Lube	44.15 m3
Rig Chain Locker	204.06 m3
Dispersant	12.19 m3
Deck Cargo Area	500 m2
Deck Cargo	About 1,000 tons
Deck Strength	10T/m2(1/3 length of area, aft) 5 T/m2 (2/3 length of area, fwd)

Discharging Rates

Fresh Water	1 x 200 m3/hr @ 90m head
F.O Cargo pump	1 x 150 m3/hr @ 90m head
Liquid Mud	1 x 80 m3/hr @ 180m head
Drill Water	1 x 200 m3/hr @ 90m head
Bulk Compressors	2 x 18.5 m3/min @ 0.59 MPa
Flow Meter	Provided for all cargo

Accommodation

1-Berth Cabins	14
2-Berth Cabins	6
4-Berth Cabins	1
Berths - Total	30
Hospital	1

Life Saving / Rescue Equipment / Pollution Control

Fast Rescue Boat	1 x 13 Persons, 20 knots
Life Raft & Davit	6 x 16 men, conforming to SOLAS convention
Firefighting	FIFI 1
Foam Tank	23.53 m3
Oil dispersant spray boom at mid-ship on both sides, sprinkler system, fixed CO2 system	

Machinery & Propulsion Equipment

Main Engines	2 x 6,000 kW (Total 16,314 bhp) Wartsila 12V32
Generators	CAT, 2 x 465 kW 2 x 2,240 kW shaft alternator 440V, 60Hz, 3 Phase
Emergency generator	1 x 72 kW, 60 Hz emergency diesel generator
Propellers	2 x CPP, 4 blades, 4,000mm dia
Bow Thruster	2 x 12 MT, CPP
Stern Thruster	2 x 8 MT, CPP
Provision Crane	1 x 5MT @ 14m, knuckle boom
Cargo Rail Crane	1 x 4.5MT @ 13m, Moveable, Starboard Side

Anchor Handling Equipment

Main Winch	350 MT @ 16.3m/min(1 st layer) Brake Holding : 450 MT (static) Capacity: 2,500 m x 76 mm dia (per drum)
Rope Reels	2 x 10MT @ 50 m/min (1 st layer) Capacity: 1,500 m x 76 mm dia
Tugger Winch	2 x 17 MT @ 13 m/min
Capstan	2 x 10 MT @ 16 m/min
Shark Jaws	2 x 450 MT
Towing Pins	4 x hydraulic, Retractable 300MT
Stern Roller	3,000 mm dia x 5.0 m, 450 MT

Dynamic Positioning System

Type	Converteam, IMO Class DP2
Reference Systems	1 x Radscan 1 x Cyscan MK4 2 x DGPS 2 x Wind Indicator
Control	2 x DP Workstations at aft bridge 1 x Independent Joystick

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Normal Mooring Equipment

Anchor Windlass	1 x 11.9 MT @ 14 m/min
Anchor	2 x HHP stockless anchor, 2,138 kg each
Chain Cable	495 x 46 mm dia, 3a Grade

Navigation and Communication Equipment

GMDSS (Area A3), Mini-M, Radars, Gyro-compass,
Auto Pilot, GPS, Satellite Navigator, SSB, VHF, Echo
Sounder, Navtex receiver, Weather fax, AIS

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Tank Capacity Plan

Tank Name	Fuel (MGO)	Lub. Oil	DW/BW	Mud	Bulk	Chain	Brine/BO	Fresh Water	Misc.
	0.85 t/m ³	0.90 t/m ³	1.025 t/m ³	2.50 t/m ³	2.50 t/m ³	m ³	2.50 t/m ³	1.00 t/m ³	m ³
No.1 FO Service Tank (P)	26.47								
No.2 FO Service Tank (P)	38.57								
No.1 DB FO Tank (P)	28.74								
No.1 DB FO Tank (S)	28.74								
No.2 DB FO Tank (P)	25.74								
No.2 DB FO Tank (S)	25.74								
No.3 DB FO Tank (P)	29.01								
No.3 DB FO Tank (S)	29.01								
No.1 FO Tank (P)	183.19								
No.1 FO Tank (S)	183.19								
No.2 FO Tank (P)	171.45								
No.2 FO Tank (S)	171.45								
No.1 FO Drain Tank (P)	8.20								
No.1 FO Drain Tank (S)	2.08								
M/E LO Storage Tank (S)		17.72							
G/E LO Storage Tank (S)		1.87							
LO Sump Tank (P)		12.28							
LO Sump Tank (S)		12.28							
FP DW/BW Tank (C)			82.18						
No.1 DW/BW Tank (P)			80.32						
No.1 DW/BW Tank (S)			79.25						
No.2 DW/BW Tank (C)			117.94						
No.3 DW/BW Tank (C)			72.06						
No.4 DW/BW Tank (P)			41.16						
No.4 DW/BW Tank (S)			41.16						
No.5 DW/BW Tank (P)			89.24						
No.5 DW/BW Tank (S)			86.47						
No.1 Mud Tank (P)				115.72					
No.1 Mud Tank (S)				115.72					
No.2 Mud Tank (P)				101.66					
No.2 Mud Tank (S)				101.66					
No.1 Bulk Tank (C)					62.50				
No.2 Bulk Tank (C)					62.50				
No.3 Bulk Tank (C)					62.50				
No.4 Bulk Tank (C)					62.50				
CL/DW Tank (P)			102.03			102.03			
CL/DW Tank (S)			102.03			102.03			
Brine/BO/DW Tank (P)			76.39				76.28		
Brine/BO/DW Tank (S)			80.50				80.47		
No.1 Fresh Water Tank (P)								87.19	
No.1 Fresh Water Tank (S)								86.89	
No.2 Fresh Water Tank (P)								92.70	
No.2 Fresh Water Tank (S)								92.70	
No.3 Fresh Water Tank (P)								50.57	
No.3 Fresh Water Tank (S)								50.57	
No.3 Fresh Water Tank (C)								44.60	
No.4 Fresh Water Tank (P)								44.80	
No.4 Fresh Water Tank (S)								44.80	
Stab./DW/BW Tank (C)			202.29						202.29
Dispersant Tank (S)									12.19
Sewage Tank (S)									8.68
Foam Tank (S)									23.53
Bilge Tank (P)									13.69
Sludge Tank (S)									18.25
Technical Water Tank (P)									24.51
Slop Tank (S)									24.86
Total (m ³)	951.58	44.15	1252.88	434.76	250.00	204.06	156.75	594.82	328
Total (bbl)	5,985.25	277.69	7,880.38	2,734.56	1,572.45	1,283.50	985.93	3,741.30	2,063.06

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