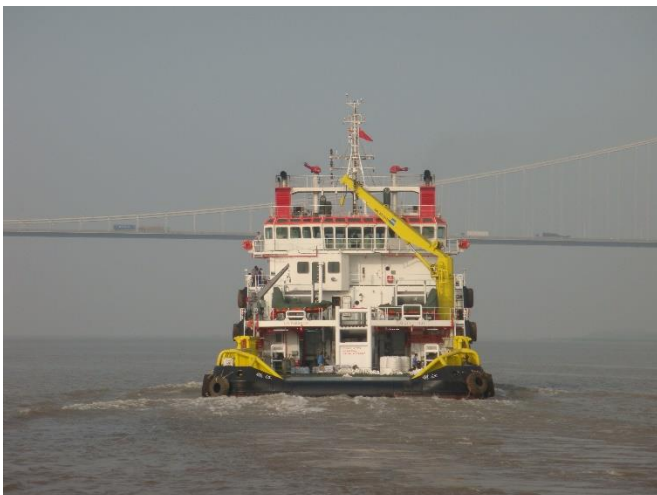


ENA Challenger

87TBP / 6,400bhp / DP2 / FIFI1 / AHTS



ENA Challenger

6,400bhp
DPS-2 Positioning System
Built 2009
87 MT Bollard Pull
250 MT Winch Pull
FIFI-1
450 m ² Deck Space
613 m ³ Fuel Oil Capacity
342 m ³ Fresh Water Capacity
287 m ³ Mud Capacity
170 m ³ Cement Capacity

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ENA Challenger

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ENA Challenger

87TBP / 6,400bhp / DP2 / FIF11 / AHTS

Principal Particulars

Flag	Singapore
Built	2009
Length Overall	61.25 m
Length B.P.	56.53 m
Beam Overall	18.00 m
Depth Moulded	6.00 m
Design Draft	5.10 m
GRT	2583
Speed	12.5 knots @ 100% MCR

Classification

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

Capacities

Fuel Oil	613 m3
Potable Water	342 m3
Mud	287 m3
Bulk Cement	4 x 42.5 m3
Water Ballast/ Drill Water	730 m3
Lube	7.2 m3
Dispersant	9.3 m3
Deck Cargo Area	30.0 m x 15.0 m (450 m2)
Deck Cargo	About 600 tons
Cargo Deck Load	7.5 tons/m2

Discharging Rates

Fresh Water	1 x 100 m3/hr @ 60m head
Fuel Oil	2 x 100 m3/hr @ 60m head
Liquid Mud	2 x 66 m3/hr @ 50m head
Drill Water	1 x 100 m3/hr @ 60m head (Shared with FW Pump)
Bulk Compressors	2 x 20.5 m3/min @ 5.6 bar
Flow Meter	Provided for all cargo

Accommodation

1-Berth Cabins	6
2-Berth Cabins	7
4-Berth Cabins	7
Berths - Total	48
Hospital	1

Life Saving / Rescue Equipment / Pollution Control

Fast Rescue Boat	6 Person, 60 hp engine
Life Raft & Davit	6 x 25 men, conforming to SOLAS convention
Firefighting	FIFI 1
Foam Tank	9.3 m3
Oil dispersant spray boom at mid-ship on both sides, 6 m spray boom with 6 spray nozzles, deluge system, sprinkler system, fixed CO2 system	

Machinery & Propulsion Equipment

Main Engines	2 x 3,200 bhp Yanmar
Generators	3 x 534 kW diesel generators 2 x 1,200 kW shaft alternator 1 x 112 kW emergency diesel generator
Propellers	2 x CPP in Kort Nozzles
Bow Thruster	2 x 8.0 MT, CPP
Stern Thruster	1 x 6.0 MT, CPP
Auxiliary Crane	1 x 5MT @ 17m, fixed boom

Anchor Handling Equipment

Main Winch	Macgregor Double Drum Winch 250 MT Pull 400 MT Brake Capacity: 2,000 m x 64 mm dia (per drum)
Rope Reels	2 x 10 MT pull Capacity: 2,000 m x 64 mm dia
Tugger Winch	2 x 10 MT @ 15 m/min
Capstan	2 x 5 MT @ 15 m/min
Shark Jaws	1 x 500 MT
Towing Pins	1 x 500 MT
Stern Roller	2,000 mm dia x 6.0 m, 400 MT

Dynamic Positioning System

Type	Converteam, IMO Class DP2
Reference Systems	1 x Cyscan MK3 2 x DGPS 3 x Wind Anemometer
Control	2 x DP Workstations at aft bridge 1 x Independent Joystick

ENA Challenger

87TBP / 6,400bhp / DP2 / FIFI1 / AHTS

Normal Mooring Equipment

Anchor Windlass	2 x 7 MT @ 10 m/min for chain
Anchor	2 x AC-14HHP stockless anchors stowed in anchor pockets, 1,750 & 1,730 kg each
Chain Cable	Total 330 meters x 40 mm diameter stud-link chain

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

Tank Capacity Plan

Tank Name	Fuel (MGO) m ³ - 0.85 t/m ³	Lub. Oil m ³ - 0.90 t/m ³	DW/BW m ³ - 1.025 t/m ³	Mud m ³ - 2.50 t/m ³	Bulk m ³ - 2.50 t/m ³	Fresh Water m ³ - 1.00 t/m ³	Misc. m ³
No. 1 Potable Water Tank P						95.8	
No. 1 Potable Water Tank S						95.8	
No. 2 Potable Water Tank P						75.2	
No. 2 Potable Water Tank S						75.2	
No. 1 Fuel Oil Wing Tank P	33.7						
No. 1 Fuel Oil Wing Tank S	33.7						
No. 2 Fuel Oil Double Bottom Tank P	23.5						
No. 2 Fuel Oil Double Bottom Tank S	23.5						
No. 2 Fuel Oil Double Bottom Tank C	75.1						
No. 3 Fuel Oil Wing Tank P	42.2						
No. 3 Fuel Oil Wing Tank S	42.2						
No. 4 Fuel Oil Double Bottom Tank P	39.5						
No. 4 Fuel Oil Double Bottom Tank S	39.5						
No. 4 Fuel Oil Double Bottom Tank C	81.9						
No. 5 Fuel Oil Double Bottom Tank P	64.6						
No. 5 Fuel Oil Double Bottom Tank S	64.6						
Fuel Oil Day Tank P	24.8						
Fuel Oil Day Tank S	24.8						
Forepeak D.W. Ballast Tank			75.2				
No. 2 Drill Water Ballast Tank P			26.4				
No. 2 Drill Water Ballast Tank S			26.4				
No. 3 Drill Water Ballast Tank P			132.1				
No. 3 Drill Water Ballast Tank S			117.5				
No. 4 Drill Water Ballast Tank P			120.7				
No. 4 Drill Water Ballast Tank S			120.7				
No. 5 Drill Water Ballast Tank P			55.5				
No. 5 Drill Water Ballast Tank S			55.5				
Mud Tank P				143.5			
Mud Tank S				143.5			
No. 1 Hydraulic Oil Tank							0.9
No. 2 Hydraulic Oil Tank							0.9
Main Engine Lube Oil Storage		4.5					
Genset Lube Oil Storage		2.7					
Dirty Oil Tank							20.6
Bilge Tank							20.6
Sewage Tank							6.4
Dispersant Tank							9.3
Foam Tank							9.3
Lube Oil Circulation Tank P							5.9
Lube Oil Circulation Tank S							5.9
Dry Bulk Tank 1					42.5		
Dry Bulk Tank 2					42.5		
Dry Bulk Tank 3					42.5		
Dry Bulk Tank 4					42.5		
Total (m³)	613.6	7.2	730.0	287.0	170.0	342.0	-
Total (bbl)	3,860	45	4,592	1,805	1,069	2,151	-