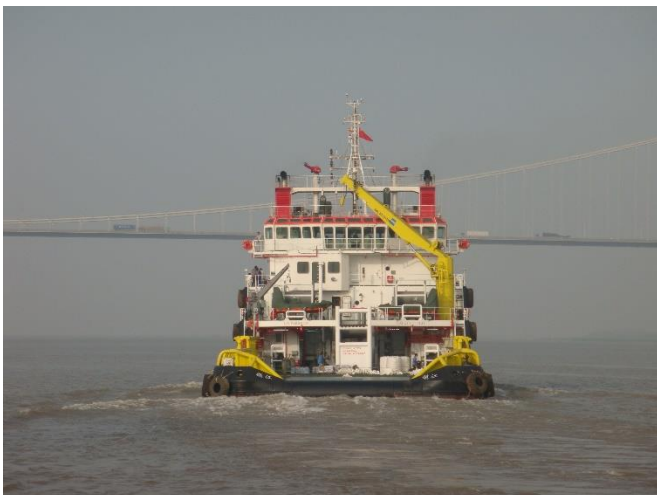


ENA Challenger

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
164 m ³ Cement Capacity

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ENA Challenger

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

Principal Particulars

Flag	Singapore
Built	2009
Length Overall	61.25 m
Length BP	53.90 m
Beam Overall	18.00 m
Depth Moulded	6.93 m
Max Operating Draft	5.10 m
GRT	2,583
NRT	774
Dead Weight	1,879.75 tons
Speed (max)	12.5 knots @ 100% MCR

Classification

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

Capacities

Fuel Oil	613 m ³
Potable Water	342 m ³
Mud	287 m ³
Bulk Cement	4 x 41 m ³
Water Ballast/ Drill Water	730 m ³
Lube Oil	7.2 m ³
Dispersant	9.3 m ³
Deck Cargo Area	30.0 m x 15.0 m (450 m ²)
Deck Cargo	About 500 tons
Deck Strength	7.5 tons/m ²

Discharging Rates

Fresh Water	1 x 100 m ³ /hr @ 60m head
F.O Cargo	1 x 100 m ³ /hr @ 60m head
F.O transfer	1 x 10 m ³ /hr @ 20m head
Liquid Mud	2 x 66 m ³ /hr @ 60m head
Drill Water	1 x 100 m ³ /hr @ 60m head (Shared with FW Pump)
Bulk Compressors	2 x 20.5 m ³ /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 Mercury engine
Life Raft & Davit	6 x 25 men, conforming to SOLAS convention
Work Boat	6 Person, 25 hp Mercury engine
Firefighting	FIFI 1
Foam Tank	9.3 m ³
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	Caterpillar 3 x 534 kW, 1500rpm
Alternator	3 x 500 kW, 50Hz, 440V, 3phase
Shaft Alternator	2 x 1,200 kW
Emergency generator	1 x 99 kW, 415V, 50Hz
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

Anchor Handling Equipment

Main Winch	Plimsoll, Double Drum 250 MT @ 6m/min Brake Holding : 400 MT (static) Capacity: 2,000 m x 64 mm dia (per drum)
Rope Reels	2 x 10 MT pull @ 15m/min Capacity: 2,000 m x 64 mm dia
Tugger Winch	2 x 10 MT @ 15 m/min Brake Holding : 15 MT (static)
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

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Normal Mooring Equipment

Anchor Windlass	1 x 7 MT @ 10 m/min for chain
Anchor	1,750 & 1,730 kg each
Chain Cable	2 x Total 330 meters x 40 mm diameter Grade 3a

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) 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					41		
Dry Bulk Tank 2					41		
Dry Bulk Tank 3					41		
Dry Bulk Tank 4					41		
Total (m³)	613.6	7.2	730.0	287.0	164.0	342.0	-
Total (bbl)	3,860	45	4,592	1,805	1,032	2,151	-

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