

ENA Commander

139TBP / 10,800bhp / DP2 / FIFI1 / AHTS



ENA Commander

10,800bhp
DPS-2 Positioning System
Built 2007
139 MT Bollard Pull
300 MT Winch Pull
FIFI-1
450 m ² Deck Space
930 m ³ Fuel Oil Capacity
655 m ³ Fresh Water Capacity
495 m ³ Mud Capacity
300 m ³ Cement Capacity

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Principal Particulars

Flag	Singapore
Built	2007
Length Overall	70.70 m
Length B.P.	63.00 m
Beam Overall	16.00 m
Depth Moulded	7.20 m
Max Draft	6.00 m
Max Operating draft	5.40 m
GRT	2,551
NRT	765
Dead Weight	2,311.96 tons
Speed	13 knots @ 100% MCR

Classification

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

Capacities

Fuel Oil	930 m3
Potable Water	655 m3
Mud	495 m3
Bulk Cement	4 x 75.5 m3
Water Ballast/ Drill Water	676 m3
Lube/Hydraulic	39 m3 / 8.9 m3
Rig Chain Locker	200 m3
Dispersant	12.2 m3
Deck Cargo Area	37.0 m x 12.6 m (466 m2)
Deck Cargo	About 800 tons
Deck Strength	5.5 tons/m2

Discharging Rates

Fresh Water	1 x 150 m3/hr @ 80m head
F.O Cargo	2 x 150 m3/hr @ 80m head
F.O Transfer	1 x 10 m3/hr @ 20m head
Liquid Mud	2 x 100 m3/hr @ 50m head
Drill Water	1 x 150 m3/hr @ 80m head
Bulk Compressors	2 x 30 m3/min @ 6.0 bar
Flow Meter	Provided for all cargo

Accommodation

1-Berth Cabins	4
2-Berth Cabins	9
4-Berth Cabins	7
Berths - Total	50
Hospital	1

Life Saving / Rescue Equipment / Pollution Control

Fast Rescue Boat	6 Person, 60hp Mercury engine
Life Raft & Davit	6 x 25 men, conforming to SOLAS convention
Work Boat	4 Person, 25hp Mercury engine
Firefighting	FIFI 1
Foam Tank	11 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 5,400 bhp MAK diesel engine
Generators Alternator Shaft alternator	Caterpillar 2 x 620 kW, 831 hp 2 x 550 kW, 60 Hz, 440V 2 x 2,000 kW, 60 Hz, 440V
Emergency Generator	1 x 110 kW, 147.5 hp
Propellers	2 x CPP in Kort Nozzles
Bow Thruster	2 x 9.5 MT, CPP
Stern Thruster	2 x 9.5 MT, CPP
Auxiliary Crane	1 x 5MT @ 17m, fixed boom

Anchor Handling Equipment

Main Winch	RRM Double Drum Low Pressure Winch 300 MT @ 10.2 m/min Brake Holding : 450 MT (static) Capacity: 2,000 m x 76 mm dia (per drum)
Rope Reels	2 x 6.7 MT @ 44 m/min Capacity: 2,000 m x 76 mm dia
Tugger Winch	2 x 10 MT @ 33 m/min
Capstan	2 x 10 MT @ 25 m/min
Shark Jaws	2 x 300 MT
Towing Pins	2 x 160 MT
Stern Roller	2,500 mm dia x 6.0 m

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	2 x 14 MT @ 13 m/min for chain
Anchor	2 x AC-14HHP stockless anchors stowed in anchor pockets, 1,540 kg each
Chain Cable	Total 15 Shackles x 42 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

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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	Chain m ³	Fresh Water m ³ - 1.00 t/m ³	Misc. m ³
FP D.W. & S.W.B. Tank C			207.10					
AP D.W. & S.W.B. Tank P			58.90					
AP D.W. & S.W.B. Tank S			58.90					
AP D.W. & S.W.B. Tank C			35.60					
No. 1 Drill Water Tank P			48.20					
No. 1 Drill Water Tank S			48.20					
No. 2 Drill Water Tank P			109.60			109.60		
No. 2 Drill Water Tank S			109.60			109.60		
No. 1 Potable Water Tank P							85.00	
No. 1 Potable Water Tank S							85.00	
No. 2 Potable Water Tank P							107.30	
No. 2 Potable Water Tank S							107.20	
No. 3 Potable Water Tank P							85.60	
No. 3 Potable Water Tank S							85.60	
No. 4 Potable Water Tank P							49.80	
No. 4 Potable Water Tank S							49.80	
No. 1 Hydraulic Oil Tank P								1.80
No. 2 Hydraulic Oil Tank P								1.80
No. 3 Hydraulic Oil Tank P								1.80
S.G. Hydraulic Oil Tank								1.70
STR. Hydraulic Oil Tank								1.70
No. 1 Liquid Mud Tank				300.40				
No. 2 Liquid Mud Tank				194.70				
Genset Lubrication Oil		9.10						
M.E. Lubrication Oil		14.60						
Lubrication Oil Circulation P		7.80						
Lubrication Oil Circulation S		7.80						
No. 1 Fuel Oil Tank P	60.40							
No. 1 Fuel Oil Tank S	60.40							
No. 2 Fuel Oil Tank P	119.20							
No. 2 Fuel Oil Tank S	126.00							
No. 2 Fuel Oil Tank C	54.90							
No. 3 Fuel Oil Tank C	51.40							
No. 4 Fuel Oil Tank P	118.60							
No. 4 Fuel Oil Tank S	118.60							
No. 4 Fuel Oil Tank C	153.50							
Fuel Oil Day Tank P	13.90							
Fuel Oil Day Tank S	20.40							
Fuel Oil Settling Tank P	16.40							
Fuel Oil Settling Tank S	16.40							
Dirty Oil Tank P								13.70
Bilge Holding Tank S								13.70
Sewage Tank P								14.50
Foam Tank S								11.70
Dispersant Tank S								12.20
Dry Bulk Tank 1					75.5			
Dry Bulk Tank 2					75.5			
Dry Bulk Tank 3					75.5			
Dry Bulk Tank 4					75.5			
Total (m³)	930.00	39.3	676.10	495.1	302	219.20	655.40	-
Total (bbl)	5844	247	4253	3110.9	1900	1379	4118	-

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Published 21/10/2016 | Page 4