



M.V. STANFORD ALPHA

5150 BHP Anchor Handling / Supply Vessel / Fi-Fi 1

Issued: July-2026, Rev0

PRINCIPAL PARTICULARS

Year Built	2008
Builder	Fujian Southeast Shipyard
Flag	Panama
Class	ABS / AI, Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel(AH), ©, AMS, BP 60 MT
IMO No.	9489455
Call Sign	3E2748
Official No	53907-23-A
GRT / NRT	1678 / 503

DIMENSION

Length Overall	59.25 M
Length BP	52.20 M
Breadth Moulded	14.95 M
Depth Moulded	6.10 M
Draft	4.96 M
Lightship	1565.26 MT
Deadweight	1400 MT
Displacement	2882.75 MT
Deck Cargo	500 MT
Clear Deck Area	350 m ²
Deck Strength	7.5 T/m ²

SPEED

Max Speed	12.00 Knots
Service Speed	10.00 Knots

MACHINERY

Main Engines	2 x 2575 BHP @ 1600 RPM CAT 3516B
Propulsion	2 x CPP with Kort Nozzles
Aux. Generators	3 x 340 kW @ 1500 RPM, Volvo D16 MG HE driving Stamford Alternator HCM 534D-1, 415V/50Hz/3PH
Emergency Generator	1 x 62 kW @ 1500 rpm, Volvo D 5A T driving Stamford Alternator UCM274C-1, 415V/50HZ/3PH
Bow Thruster	1 x 371 kW Electric-driven Kamone

TOWING & ANCHOR HANDLING EQUIPMENT

Bollard Pull	60.0 T
Anchor Windlass	1 x Electro-hydraulic HAW: Mentrade
Anchors	2 x 1305 kg HHP anchors
Anchor Chain	660 m (L) x 36 mm (dia) Grade U2 3 ^a
Capstan	2 x 5 MT @ 15 m/min electro-hydraulic
Tugger Winch	2 x 10 MT @ 15 m/min electro-hydraulic
Drum capacity	220 m (L) x 22 mm (dia) SWR
Towing/AH Winch	1 x Electro-hydraulic Double Drum AHTW
Upper Drum (Tow)	1000 m (L) x 56 mm (Ø) SWR
Lower Drum (AH)	1000 m (L) x 56 mm (Ø) SWR
Line Pull	150 MT @ 6.0 m/min at 1 st Layer 71 MT @ 12 m/min at 1 st Layer 50 MT @ 18 m/min at 1 st Layer 23.5 MT @ 36 m/min at 1 st Layer
Brake Holding	200 MT static @ 1 st Layer
Rope Reel	1 x 5 MT @ 30 m/min; Electro-hydraulic suit for 1000 m (L) x 56 mm (Ø) SWR
Stern Roller	4.50 m (L) x 1.60 m (dia) SWL 200 MT
Shark Jaws	1 x electro-hydraulic Kamfork SWL 300 MT
Tow Pins	2 x Electro-hydraulic with turntable top flaps

Specifications are provided in good faith, subject to change, and without liability for errors or omissions.

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CAPACITIES

Fuel Oil	536.64 m ³
Fresh Water	372.1 m ³
Ballast/Drill Water	396.53 m ³
Liquid Mud	419.4 m ³
Cement Tank	186.88 m ³
Foam / Detergent	13.31 m ³ / 13.31 m ³
Freezer / Chiller	10 m ³ / 10 m ³

PUMPS

Fuel Oil	1 x 150 m ³ /hr @ 75 m head
Fresh Water	1 x 125 m ³ /hr @ 75 m head
Ballast/Drill Water	1 x 100 m ³ /hr @ 75 m head
Liquid Mud	2 x 70 m ³ /min @ 85 psi
Bulk Cement	2 x 13 m ³ /min @ 80 psi

ACCOMODATION (Fully Air-Conditioned)

One-man cabin	4
Two-men cabin	3
Four-men cabin	8
Total	42 Berths
Hospital	1 no. with 1 bed

AUXILIARY EQUIPMENT

Oily Water Separator	1 x 1 m ³ /hr
Sewage Treatment	1 x 40 men/day

LIFE-SAVING APPLIANCES

Rescue Boat	1 x 6-men Rigid Boat c/w outboard motor
Life Rafts	6 x 25-men SOLAS A Type
Search Lights	3 x 2000 W
Flood Lights	5 x 1000 W

NAVIGATION & COMMUNICATION EQUIPMENT

GMDSS: A1, A2, A3	
Navtex Receiver	1 x Furuno NX-700B
SSB Radio	1 x NSR/NHR 1500
VHF Radios	1 x Furuno FM-88005
VHF DSC	1 x Furuno FM-88005
Portable Two-Way	3 x McMurdo R2 GMDSS
Inmarsat- C	2 x Furuno Felcom 15
Radar	1 x Furuno X-Band ARPA FAR-2117
GPS	1 x Furuno GP 170 / Kodan KGP 922
Magnetic Compass	1 x Cassen & Plath. Type-11 / B170201
Gyro Compass	1 x ANSCHUTZ-STD22
Autopilot	1 x RAYTHEON ANSCHUTZ-NP60
AIS	1 x Furuno FA 150
EPIRB	1 x ACR Global Fix V4
SART	1 x Jotron – Tron SART 20 1 x McMurdo – S4 Rescue SART
Speedlog	1 x Furuno DS-80
Weather Fax Receiver	1 x Furuno Fax 408
MF/HF Radio	1 x NSR/NHR-1500
EGC	1 x Furuno Felcom 15
SSAS / LRIT	1 x Furuno Felcom 15
PA/ Talkback System	1 x Steenhans ETB-100 A

FIRE FIGHTING SYSTEM

FiFi Class	FiFi – 1
Fire Pump	2 x 1550 m ³ /hr @ 13 bar
Fire Monitor	Water/Foam - 1 x 300 - 1200 m ³ /hr Water - 1 x 1200 m ³ /hr
Emergency Fire Pump	1 x 35 m ³ /hr @ 50 m head
Oil Dispersant System	1 set c/w 2 spray booms 6 m (6 nozzles each)

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