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M.V. STANFORD CHALLENGER

ANCHOR HANDLING / TOWING / SUPPLY / FiFi 1

PRINCIPAL PARTICULARS

Year Built	2004
Builder	Guangzhou Hangtong Shipbuilding
Flag	St. Vincent & the Grenadines
Class	BV / I ✕HULL, ✕MACH, Fire Fighting Ship 1, Water Spraying, Special Service / Anchor Handling Vessel / Unrestricted Navigation
IMO No.	9324241
Call Sign	J8B4140
Official No	10613
GRT / NRT	1470 / 441

DIMENSION

Length Overall	58.70 m
Length BP	53.20 m
Breadth Moulded	14.60 m
Depth Moulded	5.50 m
Draft	4.75 m
Lightship	1341.08 MT
Deadweight	1449 MT
Displacement	2809.26 MT
Deck Cargo	300 MT
Clear Deck Area	370 m ²
Deck Strength	7.0 T/m ²

SPEED

Max Speed	12.00 Knots
Service Speed	10.00 Knots

MACHINERY

Main Engines	2 x 1771 kW @ 1600 RPM, CATERPILLAR 3516B-HD
Propulsion	2 x CPP with Kort Nozzle
Aux. Generators	3 x 340 kW @ 1500 RPM CAT 3408C 415V/50Hz/3PH
Emergency Generator	1 x 52 kW TPL 2326/1500 Perkins
Bow Thruster	1 x 3315 kW Kawasaki KT-43B1 Tunnel Thruster CPP - 5 MT Thrust

TOWING & ANCHOR HANDLING EQUIPMENT

Bollard Pull	56.7 MT
Anchor Windlass	10 T @ 10 m/min. Plimsoll PC-HAW/GG-38, Electro-hydraulic w/ 2 cable lifter and 2 warping drums
Anchors	2 x 1380 kg Cast Steel AC-14 HPP anchors Plimsoll PC-AHTW/WF-150, Electro-hydraulic
Towing / AH Winch	150 T @ 6 m/min (1 st speed) 75 T @ 12 m/min (2 nd speed) 50 T @ 18 m/min (3 rd speed) Brake Holding: 225 T @ static 1 st layer
Upper Drum (Tow)	800 m (L) x 52 mm Wire Rope
Lower Drum (AH)	100 m (L) x 52 mm Wire Rope
Stern Roller	SWL 200 T (1.6 m Ø & 5 m long)
Shark Jaws	SWL 300 T (Karm Fork), Karmouy Winch Electro-hydraulic
Tow Pins	SWL 160 T Karmouy Winch Electro-hydraulic
Capstan	2 x 5 MT @ 15 m/min Plimsoll P-HVC-5T Electro-hydraulic
Tugger Winch	Plimsoll P-HUW/SD-10T Electro-hydraulic 2 x 10 MT @ 15 m/min (1 st layer) Brake Holding: 15 T @ static (1 st layer)
Deck Crane	7 T @ 4 m / 5 T @ 15 m - Telescopic Provision Crane

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

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CAPACITIES

Fuel Oil	476.46 m ³
Fresh Water	694.42 m ³
Mud	255.74 m ³
Cement	186.88 m ³
Foam / Detergent	13.37 m ³ / 13.37 m ³
Freezer / Chiller	12 m ³ / 12 m ³

PUMPS

Fuel Oil	1 x 150 m ³ /hr @ 75 m head
Fresh Water	1 x 100 m ³ /hr @ 75 m head
Mud	1 x 70 m ³ /hr @ 75 m head
Drill Water	1 x 100 m ³ /hr @ 75 m head

ACCOMODATION (Fully Air-Conditioned)

One-man cabin	2
Two-men cabin	3
Four-men cabin	9
Total	44 Bunks
Hospital	1 no. with 1 bed

AUXILIARY EQUIPMENT

Oily Water Separator	1 x 1 m ³ /hr (MARPOL Standard)
Sewage Treatment	1 x 40 men

LIFE-SAVING APPLIANCES

Rescue Boat	1 x 15-men Rescue Davit with winch
Life Raft	6 x 25-men SOLAS Approved
Life Jacket	59 Nos. with whistle, reflectors, and self-igniting light
Life Buoys	10 nos.
EEBD	12 nos. for Crew only
MO2	1 set

NAVIGATION & COMMUNICATION EQUIPMENT

GMDSS: A1, A2, A3	
Radar	1 X FURUNO, RCU-014 1 X KODEN, MRD-108P
Magnetic Compass	1 X CASSENS & PLATH BX-252162
Gyro Compass	1 X SPERRY MARINE, 4914-CA
GPS	1 x NSR NGR 3000 2 x Furuno GP-39 / GP-32
AIS	1 x NSR NSI-1000 UAIS
VHF DSC	1 x Furuno, FM-880S
MF/HF Radio	1 x Furuno FS-2575C 1 x Samyung STR-7000A 1 x Sailor 6248
Echo Sounder	1 x Furuno FE-700 1 x Saracoms DS-1068
Navtex Receiver	1 x Samyung SNX-300
Inmarsat-C	1 x Furuno Felcom 15
Autopilot	1 x Anschutz Nautopilot NP-60
Speed Log	1 x Furuno DS 80
EPIRB	1 x Jotron, McMurdo Smartfind E8
SART	1 x Kannad Marine, rescuer 2 SART 1 x ACR Pathfinder Pro
Portable VHF	2 x McMurdo, R2 5 x ENTEL (HT649, HT544, DX544)
BNWAS	1 x AMI BW-150
LRIT	1 x Furuno FELCOM 18

FIRE FIGHTING SYSTEM

FiFi Class	FiFi – 1
Fire Pump	2 x 1500 m ³ /hr @ 20 bar
Fire Monitor	2 x 100 m ³ /hr @ 12 bar
Emergency Fire Pump	1 x 35 m ³ /hr x 50 m
Fireman Outfits	2 nos. complete set

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