

M.V. STANFORD CHALLENGER

Anchor Handling / Towing / Supply Fire Fighting-1 Vessel



STANFORD MARINE



GENERAL:

Built	:	2004
Flag	:	St. Vincent and the Grenadines
Class	:	Bureau Veritas
IMO No.	:	9324241
Call Sign	:	J8B4140
Official No.	:	10613
GRT / NRT	:	1470 / 441

DIMENSIONS:

Length Overall	:	58.70 M
Length Waterline	:	56.31M
Breadth Moulded	:	14.60M
Depth Moulded	:	5.50M
Max Draft	:	4.75M
Deck Strength	:	7 T/M2
Deck Cargo	:	300 T
Clear Deck Area	:	370 m2
Deadweight	:	1449Tonnes

PERFORMANCE:

Max Speed	:	12 Knots
Economical Speed	:	10 Knots

CARGO CAPACITIES:

Fuel Oil	:	476M3
Fresh Water	:	225M3
Drill / Ballast Water:	:	465M3
Liquid Mud	:	250M3
Cement Tank	:	4 x 46.72 M3 Each
Freezer / Chiller	:	12M3
Foam	:	13M3
Detergent	:	13M3

DISCHARGE RATES:

Fuel Oil	:	1 x 150M3/hr @ 75M head
Fresh Water	:	1 x 100M3/hr @ 75M head
Mud Pump	:	1 x 70M3/hr @ 75M head
Drill Water Pump	:	1 x 100M3/hr @ 75M head

ACCOMMODATION:

Berths	:	44 Bunks
One man cabin	:	2
Two men cabin	:	3
Four men cabin	:	9
Hospital	:	1 Berth

PROPULSION:

Main Engines	:	2 x 2375 BHP = 4750 BHP
Main Generator	:	3 x 340Kw/415V/3ph/50Hz
Bow Thruster	:	1 x 315Kw tunnel unit, 5T Thrust
Steering Gear	:	2 x 35 degree - 6 MT
Propulsion	:	2 x CPP Type with Kort Nozzle
Rudders	:	Conventional

DECK EQUIPMENT:

Windlass	:	10T @ 9m/min for 38mm Ø chain W/2 cable lifter & 2 warping drums
Bow Anchors	:	High-holding type anchors 1305 Kg
Chains	:	440m x 38mm Ø Grade U3 stud link
Capstan	:	2 x 5 tonnes @ 15m/ per minutes
Tugger Winch	:	2 x 10 tonnes @ 15m/ per minutes
Crane	:	Telescopic Crane, 7t @ 4 m / 5T @ 15m

TOWING & ANCHOR HANDLING EQUIPMENT:

Bollard Pull	:	56.7 Tons (564.6 kN)
Tow Drum (upper drum)	:	800m x 52 mm wire rope
Anchor Handling	:	100m x 52 mm wire rope
Braking capacity	:	200 tonnes
First Layer	:	low speed 150T @ 6m/min
Mid Speed	:	70T @ 12m/min
High Speed	:	50T @ 18m/min
Stern Roller	:	1.6m Ø & 5m long W/SWL 200T
Shark Jaws (1 no)	:	Hydraulic operated type SWL 300T
Tow Pins (1 pair)	:	Hydraulic operated type SWL 160T
Remote controls from aft control stand in Wheelhouse	:	

NAVIGATIONAL EQUIPMENTS:

GMDSS Area 1+2+3	:	2 x Echosounder
1 x Furuno X-Band Radar	:	2 x GPS Navigator
1 x MF/HF Radio	:	1 x Gyrocompass
2 x Semi Duplex Marine VHF	:	1 x Magnetic compass
3 x GMDSS VHFF	:	1 x Navtex receiver
2 x Inmarsat C	:	1 x Speed Log
3 x VHF Radio	:	1 x Autopilot
2 x SART	:	FBB 150
1 x EPIRB	:	

FIRE FIGHTING (FiFi 1):

Fire Pump	:	2 x 1500m3/hr @ 20 bar
Monitors	:	2 x 100m3/hr @ 12 bar

OTHERS:

Sewage Treatment	:	1 x 42 man/day
Oily Water Separator	:	1 x 1M3/hr (MARPOL Standard)
Life Rafts	:	6 x 25 men SOLAS
Air Breathing App	:	25 sets
FRC	:	15 pax (Diesel engine)
Emergency Genset	:	1 x 52 Kw/415V/3Ph/50Hz
Electrical BA Recharging Compressor	:	75lir/min @ 200 bar