

M.V. Shark -51**DIMENSIONS**

Length Overall : 55.00 m
 Breadth Molded : 13.80 m
 Depth Molded : 5.50 m
 Draft design/Scantling
 Max 4.50m/4.76m
 Deadweight 4.76m :1000 Tons
 Gross Tonnage: 1300 Tons Approx

TANKAGE

Fuel oil : 400 m³
 Fresh water : 380 m³
 Sea water Ballast : 150 m³
 Mud : 100 m³
 Dry Bulk cement : 117 m³
 Foam : 11 m³
 Detergent : 4 m³
 Lub Oil : 5.9 m³
 Hydraulic Oils : 1.7 m³
 Dirty Oil : 12 m³
 Sewage Holding : 11.0 m³
 Drill Water : 114 m³

CAPACITIES / PERFORMANCE

Deck loading : 5 Tons/M²
 Clear Deck Area: : 330min/ M²
 (29 m x 11.4m)
 Max Speed : 12.5 knots
 Service Speed : 11 knots
 Bollard Pull : 60 Tons

MACHINERY

Main Engine : (2) x 2575 BHP CAT3516B
 Propulsion (BERG) : (1) FPP unit
 Generator Sets : (3) X 260 KW CAT 3406C
 Emergency Generator : (1) 96KW, Diesel/Caterpillar
 Reduction G/ Box : (2)Twin Disc
 Propellers (CPP) : (2) sets /Blades (4)
 Stern Tube Seal : Wartsila -lips
 Steering Gear (RIQ) : 6t.m x 2,2 x 35deg
 Rudder : (2) Semi balance
 Rudder Stock Seal : Wartsila -lips
 Bow Thruster : 5 Ton ,FPP /Diesel
 B/Thruster G/Box : Twin Disc
 Oil Dispersant : FFS Package

DECK EQUIPMENT/ DECK MACHINERY

Anchor Windlass : (1) 9 Ton @12m/min/38mm Ø chain
 Anchor & Chain : (2) EA 1590 kg Ø 38mm Grade 2
 Length 825 M x 38 MM
 Mooring lines : 4 x 160M -12.5 Tons B/Strength
 Tow Line : 1 x 600M / 34.5 Tons B/Strength
 Rope Reel Winch : Wire1000m @ Ø 50mm
 Towing & Anchor : (1) Macgregor -Plimsoll
 Handling Winch : 1 x 100 Tons line pull
 Wire rope - 50 dia (6 x 37 IWRC)
 Hydraulic, double drum, Waterfall
 Upper drum Ø50mm X1000M (Towing)
 Lower Ø50mm X 1000M A/Handling
 c/w Spooling gear : Brake holding 150 tons
 Tuggers : 2 x 5 Tons @ 15m/min
 Capstan : 2 x 5 Tons @ 15m/min
 Tow wire : 1000 mtrs x 50 dia
 Towing Pin : Two (2) Macgregor -Plimsoll
 Shark Jaw : (1) SWL 200 Tons
 Stern Roller : 5 M 1.6 dia S.W.L. 200 mt
 Smit Towing Bollard : SWL 80 Tons
 Gob Eye : One (1)
 Deck Crane : (1) Palfinger 5 Ton @ 8m radius 440/3/60
 Electro Hydraulic Telescopic & Luffing

ACCOMODATION

2 x 1man cabins : 2 men
 3 x 2 man cabins : 6 men
 5 x 4 man cabins : 20 men (Total : 28 Men)

PUMPS

F/Oil Transfer Pump : Two (2)10M3/hr @20M head
 Sludge Oil Pump : One (1) 2M3/hr @29M head
 Bilge Pump : One (1) 75M3/hr @40M head
 Bilge Ejector : One (1) 5M3/hr
 Ballast Pump : One (1) 75M3/hr @40M head
 General Service : One (1) 75M3/hr @40M head
 Emergency Fire : One (1) 25M3/hr @4.5 bar
 Liquid Mud discharge : (2) 70M3/hr @75M head - Pumpquip
 Fuel Oil Cargo Pump : (1) 150 M3/hr @75M head - Pumpquip
 F/Water Cargo Pumps : (1) 189.3 M3/hr @55M head -Pumpquip
 Drill Water Cargo : (1) 90M3/hr @60M head

FIRE FIGHTING

Seawater pumps : (1) 600 M³/hr
 Fire Monitors : (1) water monitor 300 M³
 Monitor Control : One (1) main control panel
 One (1) Joystick panel
 Deck Delivery Heads : (2) Sets of 4-way 65mm
 Fixed CO₂ Fire Fighting : Engine Room - Unitor
 Fixed water spraying : Capacity 10 litres/min/ M²
 Foam/Dispersant Sys : YES
 Fire Main : One (1) + 12 Hydrants
 Fire Hose : 20M (12) Nos + 2 Spare
 Fireman's outfit (1) Complete Set & (1) Fire Axe
 Portable Fire Ext : Installed @ various locations
 Fire Blankets : (2)4ft x 6ft E/room/Galley
 B.A. Recharge Cmprrsr : (1) 75ltr/min@200bar FiFi
 Smoke/Fire Detectors : Yes
 Emergency Fire Pump : 35 M³/hr x35mtr head -Pumpquip

LIFE SAVING EQUIPMENT

Life Raft : 4 Nos.(15 men EA)
 Life Buoy Ring : (4) Nos.
 Life Buoy/MOB-Signal/Smoke Signal : (2) Nos.
 Life Buoy with Light : (2) sets
 Self Contained Line Throw Apparatus : (4) sets
 Parachute Distress Signal : (12) units
 Red Hand Flare Distress Signal : (12) units
 Smoke Signal : (12) units
 LifeJackets : (35) sets
 First Aid Kit : (3) sets
 Pyrotechnics : Yes

RESCUE EQUIPMENT

Rescue boat (6 Persons) : (1) OutboardEngines 40HP, 6 knots
 Air Breathing Apparatus : (4) sets - Jiangsu Huayin/ China
 Fireman outfit : (2) complete sets
 Immersion suits : Yes Jiangsu SOLAS
 Paraguard Stretchers : (2) sets
 SOPEP Items : Yes
 Rescue Net : 2M X 4M
 Gangway : (Yes) as per CLASS
 Eye Wash Station : (1) on main deck
 Stickers (PPE) : (Yes) Posted on External Doors
 Search Lights 2000W : Three (3)

NAVIGATION EQUIPMENT

X-Band Radar – 21" color : One (1) set Range: 96 NM FURUNO FR-2117
 X-Band Radar – 12" color : One (1) set Range: 48 NM FURUNO FR-8062
 Echo Sounder : One (1) set as per IMO FURUNO FE-700
 GPS – with Antenna/display : Two (2) sets FURUNO GP-150
 Gyro Compass : One (1) set - Robertson RGC 11 or Anshutz
 Magnet Compass : One (1) set - Saura MR- 150A/Sestrel-Gillies
 Autopilot : One (1) set - Robertson AP-9-MK3 or Anshutz
 WeatherFacsimile Receiver 15" : One (1) set FURUNO FAX-207
 Doppler Speed Log : One (1) set FURUNO DS-80
 AIS Model: FA100 : One (1) set With interface to radar & satellite Gyro
 Security Alarm System : YES
 Wipers & Clear View Screen : Wynn

COMMUNICATION SYSTEM: (GMDSS A-3)

M/F/HF Transceiver : (1) set FURUNO RT-1800T
 Satellite EPIRB (GMDSS) : (1) Unit Jotron
 2-Way VHF Radio : (3) Units Icom Model GM-1500
 SART (Jotron) : (2) sets + 2 Units McMurdo RT9
 Navtex Receiver : (1) Unit Furuno NX-500 518khz
 P.A.System : (1) set
 Self Powered Telephone : (1) set
 Intercommunication System : (1) set - Auto Telephone
 Loud Hailer : (1) Megaphone (powered type)

MISCELLANEOUS

Intl. Shore Connection : Panel of 200A, with kWh shall be included in Main Switchboard
 Transformer : (2) Nos.
 Cement Compressors : (2) 440/3/60 of 20.0M³/hr
 Cement Tank : (4) vertical cement tanks
 Air Compressors : (1) Sperre
 Daylight signaling light : (1) portable type
 Ship's Bell : (1) 300mm dia
 Mechanical Fog Horn : (1) hand type
 Carpenter's Utensil : Full Equipment/ Tool set
 Rubber Hose : (4) for deck cleaning
 Air Hoses : (2) with nozzle
 Washing Machines : Two (2) 8Kg
 Dryers : Yes
 Embarkation Rope Ladder : Two (2)
 Portable Pilot ladder : 3M

COLD STORE

Cool & Freezer Room : Capacity 30 days/full crew
 - Viking Singapore
 Refrigerator : (1) 290 litres
 Freezer : (1) 250 litres

A/C & VENTILATION SYSTEM

(1) Central AC unit - Viking
 (2) Compressors - Carrier
 (1) Additional split A/C @ Wheel house
 (1) A/C (Air cooled) @ E/Control Room
 (2) Main Fans (Electric) @ E/Room
 Natural Exhaust provided via Funnel