



HARPS MLS 110 (ANCHOR HANDLING / UTILITY/ SUPPLY VESSEL SPEC SHEET)
52.8M APPROX 4,400BHP ANCHOR HANDLING / UTILITY / SUPPLY VESSEL



PRINCIPAL PARTICULARS

Class : ABS
 Classification : ABS + A1 (E) * Towing & Offshore Support Vessel** + AMS
 IMO No. : 9691852
 Year Built : October, 2013
 Flag : Singapore
 Port of Registry : Singapore
 Where Built : Nantong Tongbao Shipbuilding Co. Ltd, China

MEASUREMENT

Length Overall : 52.80 m
 Length BP : 48.42 m
 Breadth Moulded : 13.20 m
 Depth Moulded : 5.20 m
 Draft (Max) : 4.50 m

TONNAGE

GRT : 1159 MT
 NRT : 347 MT
 Deadweight : 930 dwt

MACHINERY

Main Engine : 2 x 2,200 BHP Cummins
 Auxiliary Generator : 3X 315KW Cummins
 Emergency Genset : 1X 65KW Cummins
 Bow Thrusters : 1 x 5.0 MT Shottel
 Steering Gear : Electro-hydraulic type
 Propulsion : 2 X FPP
 Rudders : 2 X Conventional Rudder

DECK EQUIPMENT

Windlass : 1 X Electro-hyd for Ø 34mm rated
 Anchor : 2X 1140kg High Hold Type Bow
 Anchor Chain : 412.5 X Ø 34mm Port and Stbd
 Capstan : 2X 5 MT @ 15m/min
 Tugger Winch : 2X 10 MT @ 15 m/min
 Storage Reel : 1X Ø 52mm X 1000M
 Deck Crane : 1 X 3 MT @ 14m

CARGO CAPACITY

Deck Cargo : 520 MT
 Deck Strength : 7 MT/m²
 Clear Deck Space : 275 m³
 Fuel Oil : 550 m³
 Fresh Water : 350 m³
 Ballast/Drill Water : 290 m³
 Freezer : 6 m³
 Chiller : 6 m³
 Foam : 4.42 m³
 Detergent : 4.42 m³

DISCHARGE RATES

Fuel Oil : 1 X 100 m³/hr @ 75m head
 Fresh Water : 1 X 100 m³/hr @ 75m head

SPEED/BOLLARD PULL/FUEL CONSUMPTION

Speed : 12.5 kt
 Bollard Pull : 57 MT
 Type of Fuel : MGO

TOWING & ANCHOR HANDLING EQUIPMENT

Tow/AH Winch : Double Drum, Waterfall Type
 Upper Drum - (Ø)52mm X 1000m (Towing)
 Lower Drum - (Ø)52mm X 1000m (Anchor Handling)
 Remote control from aft control stand in wheelhouse
 Tow/AH Pull (1st Laver) : 100 T X 0~6m/min (low Speed)
 : 45.5T X 0~12m/min (Mid Speed)
 : 20T X 0~24m/min (High Speed)
 Braking Capacity : 180MT
 Stern Roller : Ø1.6m X 5m length, SWL 200MT
 Shark Jaws : 1 X 200MT SWL
 Tow Pins : 1 X electro-hyd, SWL 200MT

NAVIGATION & COMMUNICATION EQUIPMENT

GMDSS : Sea Area A3 Sailor
 MF/HF SSB : 1 set Sailor
 SART : 2 set Sailor
 Inmarsat C : 2 set Sailor
 EPIRB : 1 set Sailor
 Portable VHF Radio : 2 set Sailor
 Navtex : 1 set JRC
 Radar : 2 set JRC
 Echo Sounder : 1 set JRC
 GPS Navigator : 2 set Koden
 Gyrocompass : 1 set Raytheon
 Autopilot : 1 set Raytheon
 Weather Fax : 1 set JMC
 Speed Log : 1 set Ben
 Magnetic Compass : 1 set Liley

EMERGENCY RESPONSE & FIRE FIGHTING

EXTERNAL

FiFi : 1/2 fifi
 Fire pump : 1 X 1200m³/hr
 Fire monitor : 2 X 600m³/hr

INTERNAL

Fixed System in E/R : CO2 system in engine room
 Fire Detection System : All living spaces and engine room

OTHERS

Rescue Zone : Port and Stbd Main Deck

LIFE SAVING APPLIANCE

Search lights : 2 X 2000W
 Floodingts : 6 X 1000W
 Life Rafts : 6 X 20 persons Port & Stbd
 Life Buoys : 8 pcs
 Life Jackets : 49 pcs
 Immersion Suit : 41 pcs
 Rescue Boat : 1 X 6 men c/w 25HP motor and davit launching
 Parachute Distress : 12 Units, SOLAS Type
 Emergency Escape : 10 sets with containers
 Breathing Device : TBA

ACCOMMODATION

Berths : 3 X 1 berth cabins = 3
 : 3 X 2 berths cabins = 6
 : 7 X 4 berth cabins = 28
 Total : 40
 Hospital : 1 X 1 berth cabin

All cabins are fully air-conditioned



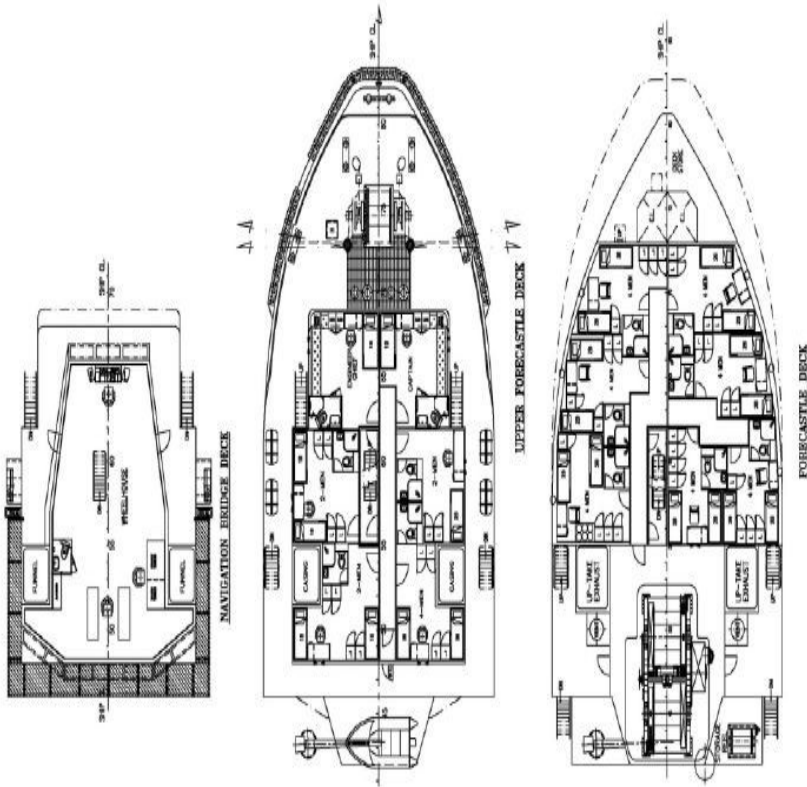
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HARPS MLS 110 (52.8M AHT GENERAL ARRANGEMENT)
52.8M 4,400BHP ANCHOR HANDLING / UTILITY / SUPPLY VESSEL



TITLE: **GENERAL ARRANGEMENT**

PROJECT: **52.8M ANCHOR HANDLING/UTILITY/SUPPLY VESSEL**

OWNER: **HARPS MARINE AND LOGISTICS SERVICES LTD**

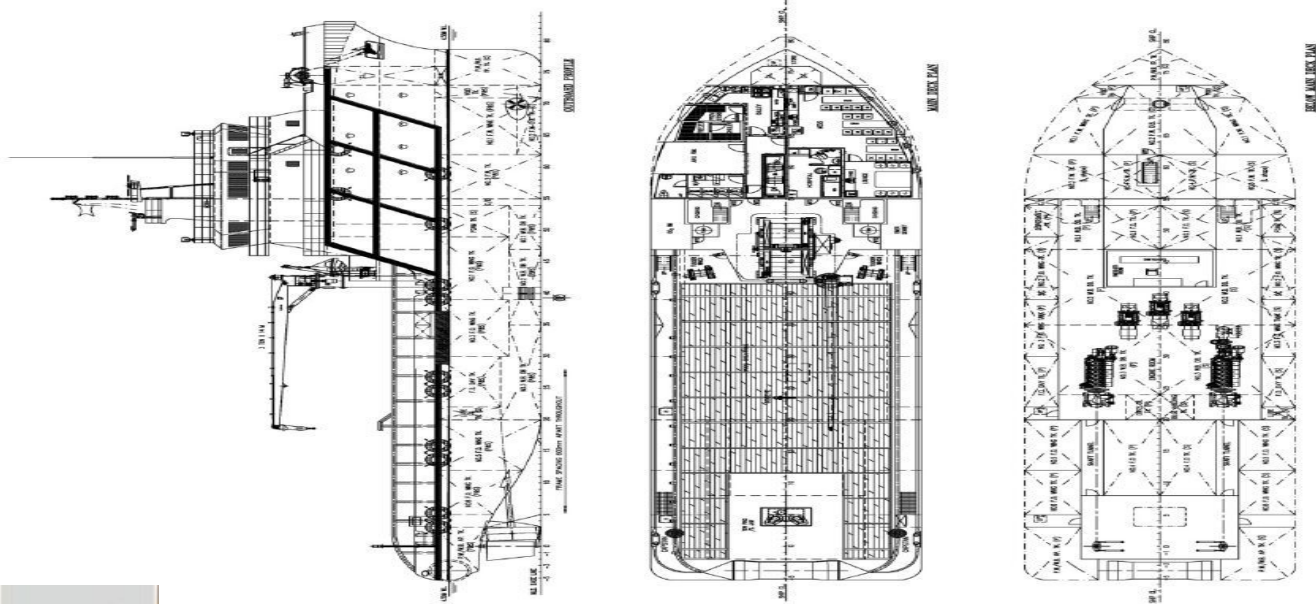
HARPS MLS Anchor Handling/Utility/Supply Vessel

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PRINCIPAL DIMENSIONS

- : 52.80 M
- : 50.36 M
- : 47.20 M
- : 13.20 M
- : 5.20 M
- : 4.50 M
- : 40 MEN
- : 290.0 M3
- : 550.0 M3 (SUBJECT TO DESIGN REVISE)
- : 350.0 M3
- : 2 X 2200BHP
- : 275 M3
- : 12.5 KNOTS
- : 55 TONS

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