

AHTS SHARK 30**PRINCIPAL PARTICULARS**

Length Overall	58.00 m
Length Waterline	56.50 m
Breadth Moulded	13.80 m
Depth Moulded	5.50 m
Draft moulded(design/max)	4.30 m/4.75 m
Cargo Deck Area	350 m2
Maximum Cargo Capacity	300 tonnes
Class	ABS
Notation/Classification	A1/class 1 / AH (E) AMS
Date & Place of Built	Feb 2009/China
<u>PERFORMANCE</u> Speed	12 Knots(Max)

MACHINERY

Main Engines	2 x1600 rpm 2575 BHP.Total 5150 BHP.CATERPILLAR
Main Generators	3 sets,diesel 320kW 450V, 3 Phase,60 Hz CATERPILLAR
Harbour Generator	1 set 72kW.
Propulsion	2 x Marine Diesel engines-twin propeller shaft
Bow Thruster	12T controlable pitch. NAKASHIMA
Steering Gear	2xMGR1727VC.7.12: TWIN DISC

MISCELLANEOUS(AZCUE/ITUR/MYER/MISSION MAGNUM)

Sewage Treatment Plant	1 SBT-25. 25 persons TAIKO KIKAI JAPAN
Fuel Transfer Pump	2 x 10m3/hr head 20m.
Bilge & Ballast Pump	60 m3/hr 60m head
GS & Fire Pump	1
Cargo F.O. Pump	1 of 100m3/hr 60m head
Emergency Fire Pump	1 x electric pum 35m3 at 60 m head
Fresh Water Pump	2. 100m3/hr each 60m head
Dirty Oil/Sludge Pump	1 5m3/hr 45m head
Liquid Mud Pump	2 units.60m3/hr at 75m head
Fire pump	2 x 1500m3/hr at 14 bar

DECK EQUIPMENT

Anchor	2 x 1590 kg each
Winch	1 electro hydraulic brake holding 200 tonnes.
Drums & capacity	Ø52mm wire rope X 1000M (length) (Towing) Ø52mm wire rope X 1000M (length) (A/Handling)

Anchor windlass	1 electro hydraulic 10 tonnes at 10m/min for chain cable. 5 tonnes at 15m/min at light load. 30m/min mooring lines
Deck Crane	1 x. 5t@6.0m outreach.PALFINGER

ACCOMODATION

20 men
2 x 1 berth = 2 men
3 x 2 berth = 6 men

CARGO CAPACITY/TANK CAPACITY

Fuel Oil	480 m3
Fresh Water/drill water	485 m3
Water Ballast	150 m3
Liquid mud	200 m3
L.O. storage	6 m3
Dry Bulk	4 tanks 113 m3
Sewage tank	13.6 m3
Fuel oil tank	2 units.each one is sufficient for 12
Lubricating oil tank	1 unit 6m3

RADIO,NAV.& COMM.EQUIP.

GMDSS	(Full GMDSS for Area A3)
Navigation Lighting System	Yes
Clear View Screen	Yes
MF/HF Transceiver(GMDSS)	1 set SSB. A3
Radar	2 Sets
Inmarsat	2 x 'C' Marine Mobile Earth Station & 1 set with SSAS update
Echo Sounder	1
Magnet Compass	1 set 6" reflector type
Speed log	1 set
Gyro Compass	1 set with 5 repeaters
VHF Radio	2 units with remote handsets 25W, both multi channel 25 watt RF output &1 W RF switch fitted with DSC ca 156.525MHz(Channel 70)
NAVTEX Receiver	1 unit

EPIRB	1 unit
Auto Pilot	1 set
Public Addressor	1 connected with VHF radio
GPS	1
DGPS	1
Speed log	1 set
Search Lights	2 x 1kw

Aft Control Stand	Yes
Cargo Light	Yes
Motor Siren or Air Horn	Yes
Walkie Talkie	3 sets
AIS	1set

INTERNAL COMMUNICATION

Intercom System	15 Positions
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F.F & LIFE SAVING EQUIPMENTS

Internal	
firemain	1 + 12 hydrants
Firemab outfits	6
Portable fire extinguishers	27 of various types

Fire blanket	2
Fire Axes	2

External

Fire monitor	2 units. 1200 m3/hr each.(remot control)
Foam System	1 x (5 % mixing ratio)
Fixed water spraying system	all decks covers.all outside vertical areas of hull,superstructures,deck houses & equipments.monitors maintained during
CO2 System	A full CO2 system
Emergency Fire Pump	1 unit 35 m3 at 60 m head.
Fire & general Alarm	1 set.