



SEA SENTOSA

TECHNICAL SPECIFICATIONS

GENERAL

Type	AHT
Classification	Bureau Veritas Hull • Mach • AUT-UMS - Tug - Fire Fighting ship 1 - Water spraying / unrestricted
MMSI	244790370
IMO number	9662356
Year built	2013
Flag	Dutch
Port of registry	Vlissingen
Call sign	PHNG

DIMENSIONS

Length	51,80 m
Breath overall	15,00 m
Minimum draft	6,00 m
Operational Draft	6,50 m
Maximum draft	6,70 m
Minimum air draft	26,30 m
Maximum air draft	26,30 m
Gross tonnage	1463 t
Net tonnage	439 t

PERFORMANCE

BollardPull	120 t
Maximum speed	13,50 knots
Economic speed	8,00 knots
Horse power	2x3,650 bhp

TANK CAPACITY

Fuel oil	860,20 m³
Fresh water	120,40 m³
Lubrication oil	15,30 m³
Dirty oil	7,40 m³
Sewage	15,00 m³
Bilge water	12,50 m³

PROPULSION SYSTEM

Main engines	Wartsila / 8L26A
Total power	2x 2720 kW/ 2x3646 BHP @ 1000 RPM
Propulsion	2x4 bladed/ Kawasaki CPP 900CB / 150G / Dia : 3500 mm
Bowthruster	2x Tunnel thruster/ Kawasaki/ Type: KT-55B3 / Dia 1300 mm 388kW
Propellers	2 x CPP in Kort nozzles
Stern thruster	1x 6 t thrust, CPP

FIFI

System	FIFI 1
Type	AZCUE / CA50 / 7A / 60 m³/ hr @9 bar, height 55 m
Capacity	2 x 1200 m³ / hr

DECK CRANE

Type	Tech crane TC60-56-100
Capacity	SWL 15 t @ 3 m/10 t @ 7,5 m/ 1 t @ 30 m



SEACONTRACTORS

The information contained in this data sheet is for guidance purposes only and may be subject to changes

DECK EQUIPMENT

Free deckspace	153 m ²
Deck strength	5,0 t/m ²
Tugger winch	2x 10 t @ 15 m / min
Captstan	2x 5 t @ 0 - 15 m / min
Pushbow	Full length rubber fendered

TOWING EN ANCHOR HANDLING

Towing winch	Rolls Royce / TAW 2000/ 2000H
Anchor Handling Winch	1 drum / 1200 mtr x 64 mm capacity
Drum capacities	1,200 m x 64 mm
Brake holding	275 t
Line pull @ 1 st layer	200 t @ 7m/min 100 t @ 13 m/min
Storage reels	3x hydraulic 1,000 m x 64 mm
Kram Fork	2x300 t SWL
Towing pins	2x closed type
Stern roller	Stern Roller (Horizontal) - 300 t

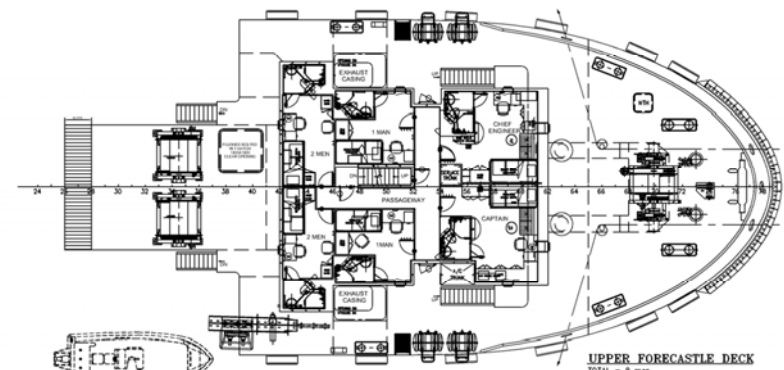
AUXILIARY EQUIPMENT

Main generator sets	2x425 kW & 1x340 kW
Fuel oil transfer pump	Azcue 100 m ³ / hr
Fresh water transfer pump	Azcue 70 m ³ / hr
Fresh water maker	4 m ³ every 24 hr
Air compressor	Yes
Shaft generator	2x1000 kW

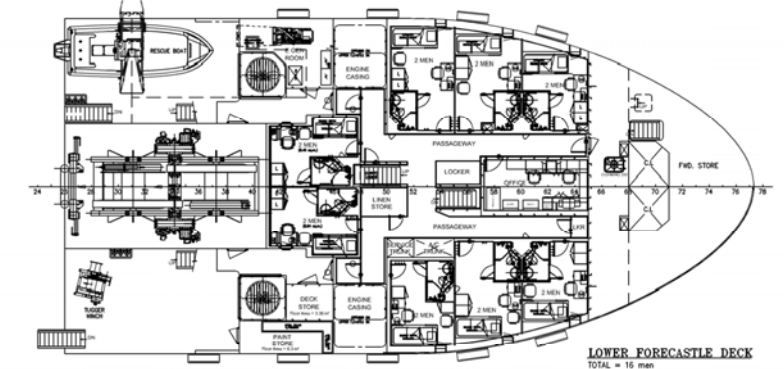
ACCOMMODATION

Persons	24
Single cabin	4
Double cabin	10
Air conditioned	Yes

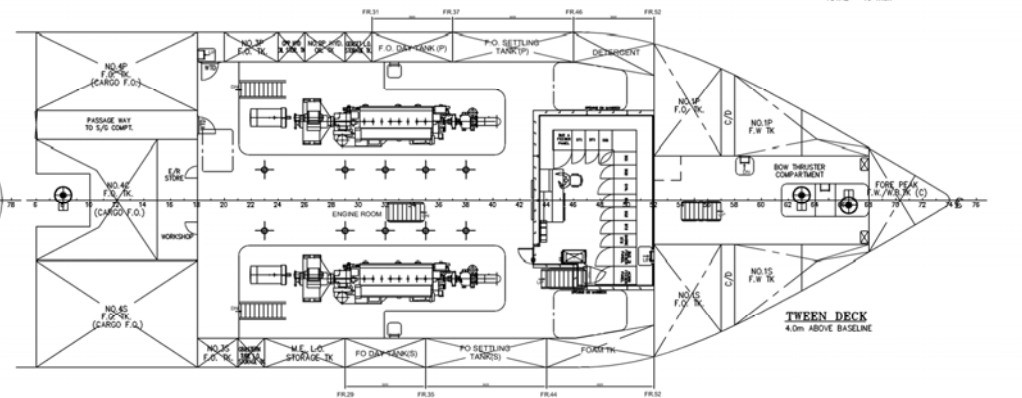




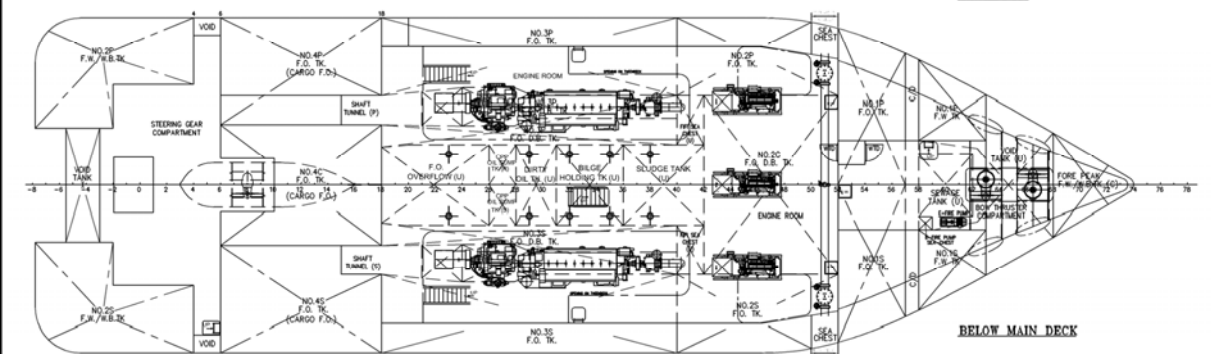
UPPER FORECASTLE DECK
TOTAL = 8 men



LOWER FORECASTLE DECK
TOTAL = 16 men



TWEEN DECK
4.0m ABOVE BASELINE



BELOW MAIN DECK

Boka DrwNo: 15-005511-01

DATE				REV	BY
SHIP:	95t MOD. A.H./TOWING TUG				
TITLE:	General Arrangement				
OWNER	SMT SINGAPORE PTE LTD.			YARD NO.	
CLIENT	GUANG SHIPBUILDING CO. LTD. COSC			G/01-2000-19 A	
BLUNDER	ABS +A1 @ +AMS, FIFI CLASS 1, TOWING & ANCHOR SERVICES, UMBIL			G/01-2000-20	
 WARTSILA SHIP DESIGN SINGAPORE PTE. LTD. 14 BEND SINCE STREET, SINGAPORE 620977 TEL: (65)9050-1038 FAX: (65)9050-1036, E-MAIL: ShipDesign@wartsila.com					
DRAWN	CHECKED	APPROVED	SCALE	DRAWING NO.	REV
CHUMAILA	CHUA		1:125	C468B/G-1	K
23.06.01	24.06.01				

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