



*challenging new frontiers
a voyage beyond excellence*

BINA MARINE 81 – 1200 HP



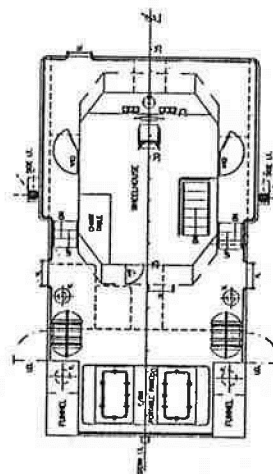
<u>VESSEL INFORMATION</u>		<u>PROPULSION SYSTEM</u>	
Flag / Port of Registry	Singapore	Main Engine	2 x Cummins KTA19m3, 447kw@1800rpm
Builder	Hung Seng Shipbuilding (M) Sdn Bhd	Propulsion	Twin Screw / Fixed Pitch Propeller
Year Built	2010	<u>GENERATORS</u>	
Call Sign	9V9382	Main Genset Engine	2 x Yanmar 4TNV98-GGE2 / 2 x 25KVA
Official No.	396990	Vessel Power supply	415V/220V/50HZ
IMO No.	9631577	<u>Deck Machinery</u>	
Class / Notation	GL / 100A5 MC	Towing Hook	20T with Quick Release Mechanism
<u>PRINCIPAL PARTICULARS</u>		Anchor Windlass	17.5MM Electric windlass c/w double gypsy and double drum
Length Overall	23.5 M	Anchor / Chain	2 X 360KG / L: 247.5m D: 17.5mm
Breadth Moulded	7.32 M	<u>NAVIGATION EQUIPMENT</u>	
Depth Moulded	3.2M	GPS	FURUNO GP 32
Maximum Draft	2.7M	VHF	ICOM M304
GRT / NT	138T / 42T	SSB RADIO	FURUNO FS-1503
Deadweight	120T	Radar (24 NM)	FURUNO 1715
Speed	10 Knots	Echo Sounder	FURUNO FCV-620
<u>TANK CAPACITIES</u>		Magnetic Compass	Daiko T-150B
Fuel Oil	91.4M ³	<u>LSA</u>	
Fresh Water	26 M ³	Life Raft	2 x 10 men

Particulars believed to be correct but not guaranteed. All figures given are approximate only. Owners reserve the right to amend the specifications without notice.

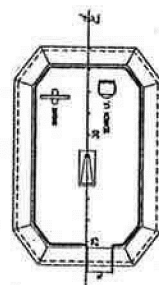
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A) TOP OF F.O.T. TO BE COATED WITH INCOMBUSTIBLE COATING OF SOLAR AND OVER AN INSULANCE.



BRIDGE DECK PLAN



WHEELHOUSE TOP

PRINCIPAL PARTICULARS

LOA	23.50M (77.10FT)	(SUBJECT TO FREEBOARD ASSIGNMENT)
B.B.L.	22.86M (75.08FT)	
L.B.P.	21.32M (69.95FT)	
BREADTH MOLDED	7.31M (24.00FT)	
DEPTH MOLDED	3.20M (10.50FT)	
DESIGN DRAWT	2.70M (8.86FT)	
COMPLEMENT	10 MEN	
DESIGN SPEED	10 KNOTS	
DESIGN F.W.D. CAPACITY	81 TONS (APPROX.)	
MAX. CAPACITY	26 TONS (APPROX.)	
MAIN ENGINE	CUMMINS KTA19-43	
REAR BOX	600HP/9160RPM ± 2 UNITS	
GENERATOR	PANU 10461	
MANOVIATION AREA	28M ± 2 UNITS	
PORT OF REGISTRY	UNRESTRICTED	
FLAG	SINGAPORE	

UNITED SHIP DESIGN
(NAVAL ARCHITECTS)

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23M TUG BOAT

GENERAL ARRANGEMENT

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