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NAUTIC

MV KHALIAN

35M SENTINEL [CREW & PATROL VESSEL]

The 'MV Khalian', a Sentinel class, multi-purpose maritime vessel which sets a new standard in innovative design and protection, is fully compliant to the naval and oil and gas (O&G) industries operating on the waters of the African continent and beyond. It offers a platform optimised for peak coastal operation performance, mobility and security.

GENERAL		DIMENSIONS	
Hull material	Aluminium	Length overall	35.0 m
Superstructure material	Aluminium Deckhouse	Beam overall	7.5 m
	Composite Ballistic Wheelhouse	Draught max	2 m
Basic functions	Fast supply boat/Crew boat/Security/ Search & Rescue	Cargo deck area	11.0 x 6.0 m, 50 m ²
Classification	Bureau Veritas I * Hull • MACH	Deck load	2500kg/m ²
	Light ship/Fast Patrol Vessel	Deck cargo	20 ton, Accept 1 x 20ft iso container
	Sea Area 3	Crew	10
Regs, Codes, Guidelines	MARPOL, SOLAS, IMDG	(Security) personnel	8
SHIP SYSTEM		GRT	230
Fuel filtration	Alpha Laval fuel separator (Self Cleaning)	NRT	69
Internal Fix fire fighting system	NOVEC system	ACCOMMODATION	
Air Conditioning	1 x Main Deck Accommodation and Wheelhouse, 1 x Lower Deck Accommodation	Bridge deck	Wheelhouse
Engine room ventilation	3 x Donkin MJ X-2	Main deck	Officer cabins, galley & mess, sanitary & Tech spaces
Fresh water maker	2 x Ecotech Hydro LTM -1000	Lower deck	Crew and Navy Cabins, Sanitary & Tech spaces
Dirty oil treatment System	Boss 2.2T/107	Chiller	Walk in Chiller (Lower deck)
Sewage treatment plant	Hamann HLCPO125	Freezer	Walk in Freezer (Lower deck)
Fuel consumption monitoring system	Engine-i	Laundry	1 each Washer and Dryer (Lower deck)
Davit system for Rescue Boat	Palfinger 2.7t self launching davit	VESSEL MONITORING AND MANAGEMENT SYSTEM	
External FiFi system	FFS 0.5 Classed	Engines and Generators	Praxis System
PERFORMANCES		Pumps and Motors	Praxis System
Speed Max	27kn	Auxilliary systems	Praxis System
Range @ max speed	1007 Nm	Navigation Lights	Praxis System

SECURITY	
Ballistic Protection	Wheelhouse Composite Stanag II & Main deck accommodation structure Stanag II
Gun Mounts with Ballistic Shields	1 x Forecastle - 2 x Side coverage
Armory	Main deck Armory gun safe
Night Vision Camera	X1 (M364C) Flir Gyro Stabilised
TANK CAPACITY	
Fuel oil	44 000 L
Fresh water	19 000 L
Sewage	4 000 L
Bilge water/ dirty oil	1 000 L
Clean Lube oil	800 L
Dirty Lube oil	800L
DECK	
Anchor equipment	HHP Type - 180kg - 110m chain Aluminium fender on deck level, Heavy duty rubber
Fendering	Fender transom corners and tyre fender at sides
PROPULSION SYSTEM	
Main engines	3 x Caterpillar C32 ACERT, D-Rating
Total Power	3 x 1193 KW@ 2300 rpm
Gearboxes	3 x ZF 3050
Propulsion	3 X FPP 5 Blade with Rope Cutters
Bow thruster	2 x Dutch Thruster GT-370
ELECTRICAL	
Network	24V DC / 400V AC / 230V AC
Generator Sets	2 x Caterpillar C4.4 DITA 107 KVA @ 1500 rpm 86 ekw
Electrolysis System	ICAF Corrosion system 410376

NAUTICAL AND COMMUNICATION EQUIPMENT	
Searchlight	3 x DEN HAAN Remote Controlled
Radar	2 x (X-band) FURUNO - Touch Screen
Electronic chart plotter	1 x (Non-ECDIS) FURUNO
GPS	2 x (GP-33) FURUNO
AIS	2 x JOTRON
Compass	1 x Magnetic Ritchie, 1 X GPS (SC- 707) FURUNO
Autopilot	1 x (NT777) JOTRON
Echo sounder	1 x FURUNO
Navtex	1 x (NX700b) FURUNO with Printer
External communication	1 x - LRAD Loud Hailer (600+m range)
Weather Station	1 x (SS60DT) Airmar
HF/MF	1 x (6301) SAILOR
Internet	1 x FBB 500 SAILOR
BNWAS	1 x (BR 510) FURUNO
SSAS	1 x (6120) SAILOR
VHF	1 x (6222) SAILOR
EPIRB	1 x Tron 605
Satphone	1 x Cobham
Vessel PC Workstation	1 x HP I3
LSA AND FFA	
Life rafts	2 x 20 person liferafts
Smother system	NOVEC suppression system
Rescue boat	1 X GRP semi rigid 6.5m (37kn max speed) on Davit
Rescue zone markings	Port side above water line
Fire alarm system	FireBoy Marine safety system
Pilot Ladder	2 x (4m ladders)

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