



ENERGY SERVICES LIMITED



MV LOUISA SPECIFICATION SHEET

VESSEL OVERVIEW

Vessel Type:	Aluminium Monohull Fast Multi-Role Security Vessel
Classification:	Designed and built by Penguin Shipyard
Safety Regulation:	BVI Hull MACH, Crew Boat, Sea Area 3
Regs, Codes, Guidelines:	BV and Tuvalu Flag State requirements
	MARPOL, SOLAS, IMDG

HULL PARTICULARS

Length Overall:	40.00m
Breadth Moulded:	7.60m
Depth Moulded:	3.65 m
Loaded Draft:	1.89 m
Bow Transfer Platform for personnel:	Fitted

CARGO DECK

Clear Deck Area:	93 sqm
Deck Cargo Capacity:	60 MT
Deck Strength:	2.0MT/sqm
Deck Dimensions:	16.9mx 5.5m
Cargo Railing Height:	1.0m
Deck Crane:	Knuckle –boom crane, 500kg @ 5.5m outreach
Deck Store:	Fitted
Remarks:	Adequate cargo retainers and lashing lugs on both sides for securing deck cargo

TONNAGE

GRT:	Approx, 270 MT
NRT:	Approx, 80 MT
DWT:	Approx, 134 MT

MAIN MACHINERY

Number of Main Engines:	3 units with resilient mountings
Make/Type:	Caterpillar C32 ACERT IMO Tier 2
Total BHP:	3 x 1450 BHP @ 2,300 rpm
Propellers:	3 x fixed pitch, Ni-Al-Bronze, 5 blades
Bow Thruster:	1 unit electro-hydraulic @ 100 HP

PERFORMANCE

Maximum Speed:	28 knots @ 100% MCR
Maximum Fuel Consumption:	878L/hr
Economical Speed:	26 knots @ 85% MCR
Economical Fuel Consumption:	765L/hr

GENERATORS AND AUXILIARY ENGINES

Generators:	3 x Caterpillar SR4 Alternator 86 ekW
Prime Movers:	3 x 125 BHP @ 1500 rpm
Make / Type:	Caterpillar C4.4
Vessel Power Supply:	415/220 Volt AC, 50Hz, 3-phase + 24 Volt DC
Shore Power / Reefer Sockets:	1 / 4

ELECTRONIC FUEL MANAGEMENT SYSTEM

Engine electronic fuel management system:	Fitted
- Coriolis meters for main engines and generators	12 units
- Coriolis meter for bunker line:	1 unit

SAFETY EQUIPMENT

Life Rafts:	3 x 25-man each side as per SOLAS
Life Jackets:	69 on board as per SOLAS
Life Buoys:	8 on board as per SOLAS
Scrambling Nets:	2 units
Other Equipment:	Pyrotechnics, line-throwing apparatus
Rescue Zone:	Port and Starboard

EMERGENCY RESPONSE FEATURES

Aerosol fire extinguishing system
Motorized workboat

ACCOMMODATION AND STORAGE

MAIN DECK

Passenger Seats:	42 pax
Passenger Toilets:	2 cubicles with showers
Entertainment System:	1 x LCD TV screen
Security Personal Cabins / Total Bunks:	3 / 12 (3x4-man)
Security Personnel Shower Rooms:	2 cubicles
Deck Command Centre with Rader Monitor,	Fitted
CCTV Monitor, VHF, Heading Repeater and GPS Repeater.	

BELOW MAIN DECK

Crew Cabins / Total Bunks:	4 / 8
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Crew Toilet:	(2 x 1-man, 1 x 20man, 1 x 4-man)
Entertainment System:	1 cubicle with shower
Crew Mess and Galley:	1 x LCD TV screen
Crew Washer and Dryer:	Fitted
Separate Walk-in Freezer and Chiller:	Fitted
Dry Store:	Fitted
Work Bench:	Fitted

ELECTRONICS AND CONTROLS

GMDSS:	Sea Area A1 + A2
VHF:	Sailor 6222
MF/HF Radio:	Sailor 6310
BNWAS:	LeGuardian 2025
Marine Radar:	Simrad HAL06
Multi-Function Display:	Simrad NSS12EV03
GPS:	Simrad GS25
Depth / Echo Sounder	Simrad GP319
Gyro Compass:	Simrad RGC50
Magnetic Compass:	Riviera 6"
Navtex:	JMC-NT-1800
Public Address/Intercom System:	Vingtor Zenitel
Search Lights:	3 x 100W
EPIRB:	McMurdo E5
SART:	McMurdo S4
AIS:	Simrad V5035
Night Vision Camera:	8 units fitted
CCTV:	(5 x Exterior, 1 x passenger Area, 2 x Engine Room)

TANK CAPACITIES

Fuel Oil:	80,000 L
Fresh Water:	30,000 L
Oily Bilge:	600 L
Gear Oil:	450 L
Hydraulic Oil:	450 L
Fuel Oil Sludge:	Heavy Duty, self-cleaning unit
IMO-Approved Sewage Treatment Plant:	Fitted for 15 pax
IMO-Approved Oily Water Separator:	15ppm

STANDARD FLEX FIGHTER FEATURES

All-Round Wheelhouse Ballistic Protection:
- Wheelhouse Windows (STANAG L1)
- Wheelhouse Panels (STANAG L1) up to waist height
Gun mounts with Ballistic Shields (1 x forward and 2 x aft)
Weapons not included