

### PRINCIPAL PARTICULARS

Length Overall	30.50 meters
Breadth Moulded	6.40 meters
Depth Moulded	3.25 meters
Draught	1.45 meters
Gross Tonnage	160 tons Approx
Net Tonnage	48 tons Approx
Built	Newly Built
Class	BV
Notation / Classification	I+ Hull. Mach Crew Boat Coastal Waters
Draft (Fully loaded at summer load line)	Fore 1.45 meters Aft 1.48 meters
Deadweight at summer load line	50 metric ton
Clear Aft Deck Space for cargo loading	65 Sq.mtr.
Deck load capacity	1.50 metric ton per sq. meter

### PERFORMANCE

Maximum Speed	19 knots
Economical Speed	17 knots
Type of Fuel	MOD
	Max. Speed @100 % MCR - 140.1 USG/hr
Fuel Consumption	Service Speed @ CSR - 73.9 USG /hr
& Endurance	In Port with one Generator - 4.5 USG/hr Endurance / Service Speed at CSR- 433 Miles

### CARGO CAPACITIES

Fuel Oil Tank	4436 USG
Fresh Water Tank	2080 USG
Lub Oil	195 USG
Hydraulic Oil	195 USG
Sludge tank	132 USG
Waste Water Tank	132 USG
Sewage Holding Tank	794 USG
Dry Provision Store	3.00 cub. Meter
Cold Store	2.00 cub. Meter
Frozen Store	2.00 cub. Meter

### PROPULSION SYSTEM

Main Engines	2 Sets - Cummins KT A38 M2 Total 2800 Bhp @ 1950 RPM With gear box 2.5:1 ratio
Generators	2 x CAT/ Model C4.4 Port Sr.# SIM00714 / STBD Sr.# SIM00713
Propulsion	2 x Fixed Type
Bow Thruster	No
Spark Arrestor for Main & Generator Engine	Yes
Spark Arrestor to be designed for oil field use	Yes

### Deck Equipment

Anchor	1 x 105 Kg. High Holding Power Anchor
Anchor Capstan/ Windlass	1 x 500 Kgs with warping drum end & rope drum

### ACCOMMODATION

Berth	8 Persons
Passenger Seating Capacity	24
Room for Company staff exclusively	Yes
All cabins are fully airconditioned	

### RADIO & NAVIGATION EQUIPMENT - (GMDSS Area 1)

SSB Radio Telephone	1 Set - JRC JS B176 MF/HF
SART Transponder	1 Set
VHF Radio	2 Sets - Sailor RT 2048
Walkie-talkie	2 Sets
Radar	1 Set - Kodan MD-3842
Echo Sounder	1 Set- Skipper Model 603
DGPS	1 Set - Kodan KGP- 913D
Gyrocompass	Not Applicable
Autopilot	No
Magnetic Compass	1 Set - Sestrel Model MK 3
Up to Date Deviation Curve	Yes
Electric Horn	1 Set
Search Lights	1 Set - 1000kw
EPIRB	1 Set
Public Address System	1 Set with talk back system
Clear View Screen	2 Sets

### INTERNAL FIRE PROTECTION SYSTEM

#### Fire Fighting

Fixed gas CO2 fire extinguishing equipment	1 Set
Portable CO2 Fire extinguisher	4 Nos.
BCF Fire extinguisher	1 Nos.
Foam Fire Ext.	3 Nos.

#### Fire Detectors

Wheelhouse - Smoke Detector	1 No.
Crew Cabin - Heat Detector	4 Nos.
Saloon Smoke Detector	4 Nos.
M/C room - 1 Heat, 1 Flame Detector	
Aux M/C room - 1 Smoke, 1 Heat Detector	

### SAFETY & LIFE SAVING EQUIPMENT

Capacity of Fire Pump	1 x60 cub.meter per hour
Fire Monitors - <b>External</b>	1 Set - 60m3/h
Liferafts	4 Sets x 20 persons each
Lifejackets for Crew & Passenger	35 Nos.(SOLAS Requirements)
Lifebuoys with self igniting lights	8 Nos.
1 First Aid Kit, 1Stretcher, 4 Parachute Distress Signals, 6 Hand Flares, 2 Buoyant Smoke Signals, 1 Waterproof signaling torch	

### MISCELLANEOUS

Aft Control Stand  
Cargo Light for Aft Deck  
Oily Water Separator for Pollution Prevention  
Sea Water and Bilge Pumping System  
Fresh Water System  
Sanitary System

