

HEAVY FIREFIGHTING VESSEL



1ST GENERATION

HEAVY FIREFIGHTING VESSEL | RED SAILFISH



PRINCIPAL SPECIFICATIONS

LENGTH OVERALL	50M
BREADTH MOULDED	10M
DEPTH TO MAIN DECK	5.65M
DESIGN DRAFT	3M
SCANTLING DRAFT	3.2M
DISPLACEMENT	600T
GROSS TONNAGE	581
CLASSIFICATION	ABS, A1, (E), HSC COASTAL SERVICE, SPECIAL GOVERNMENT SERVICE, SSR CAPABLE, FFV3, AMS, ABCU

SPEED AND PERFORMANCE

MAX SPEED	20 KNOTS AT 90% MCR
CRUISING SPEED	15 KNOTS
RANGE	500NM @ 15 KNOTS
DYNAMIC POSITIONING	DPS 0
OPERATIONAL SEA STATE	SS 3
SURVIVAL SEA STATE	SS 5

MAIN MACHINERY

MAIN ENGINE	4 X 1,840KW AT 1,800RPM
PROPULSION	4 X CPP
GENERATOR	3 X 450KWE
BOW THRUSTER	2 X 450KWE

TANK CAPACITY

FUEL OIL	ABT 175M ³
FRESH WATER	ABT 10M ³
LUBE OIL	ABT 2M ³
FOAM	ABT 16M ³

EXTERNAL FIRE FIGHTING EQUIPMENT

FIRE PUMP	4 X 3,600M ³ /HR
FIRE MONITOR	1 X 3,600M ³ /HR 2 X 2,400M ³ /HR 1 X 2,400M ³ /HR FOAM/WATER 2 X 1,200M ³ /HR 2 X 600M ³ /HR FOAM/WATER 2 X 600M ³ /HR 2 X 300M ³ /HR
TOTAL MONITOR CAPACITY	16,200M ³ /HR

STANDBY RESCUE & EQUIPMENT

2 X 300KG PERSONNEL RESCUE DAVIT
1 X 5.5M RHIB WITH QUICK STERN LAUNCH AND RECOVERY SYSTEM
1 X 5T CRANE
RESCUED PASSENGERS ROOM - 30 PAX
FIRST AID ROOM
DECONTAMINATION AREA

ACCOMMODATION

CREW SIZE	12
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SPECIAL FEATURES

CBR PROTECTION AND DETECTION
SHIP MANAGEMENT SYSTEM
FIFI DISPLAY MODE

2ND GENERATION HEAVY FIREFIGHTING VESSEL



PRINCIPAL SPECIFICATIONS

LENGTH OVERALL	55M
BREADTH MOULDED	11M
DEPTH TO MAIN DECK	4.8M
DESIGN DRAFT	2.7M
SCANTLING DRAFT	2.9M
DISPLACEMENT	550T
GROSS TONNAGE	600
CLASSIFICATION	BV, HULL, (E), LIGHTSHIP / FAST STANDBY RESCUE BOAT (150 PERSONNEL), FIREFIGHTING SHIP III, SEA AREA 2, MACH, AUT-UMA (OR) ABS, A1, (E), HSC COASTAL SERVICE, SPECIAL GOVERNMENT SERVICE, SSR CAPABLE, FFV3, AMS, ABCU.

SPEED AND PERFORMANCE

MAX SPEED (75% LOAD)	23 KNOTS AT 90% MCR
CRUISING SPEED	15 KNOTS
RANGE	500NM @ 15 KNOTS
DYNAMIC POSITIONING	DPS 1
OPERATIONAL SEA STATE	SS 3
SURVIVAL SEA STATE	SS 5

MAIN MACHINERY

MAIN ENGINE	2 X 2,340KW AT 2,100RPM 2 X 3,120KW AT 2,100RPM
PROPULSION	4 X WATERJETS
GENERATOR	3 X 450KWE
BOW THRUSTER	1 X 405KW

TANK CAPACITY

FUEL OIL	ABT 175M ³
FRESH WATER	ABT 10M ³
LUBE OIL	ABT 2M ³
FOAM	ABT 18M ³

EXTERNAL FIREFIGHTING EQUIPMENT

FIRE PUMP	4 X 3,600M ³ /HR
FIRE MONITOR	1 X 3,600M ³ /HR 3 X 2,400M ³ /HR 2 X 1,200M ³ /HR 2 X 600M ³ /HR

STANDBY RESCUE & EQUIPMENT

QUICK LAUNCH & RECOVERY, LOW FREEBOARD RESCUE ZONES

1 X RESCUE BOAT
1 X 5T CRANE
2 X 300KG PERSONNEL RESCUE DAVIT

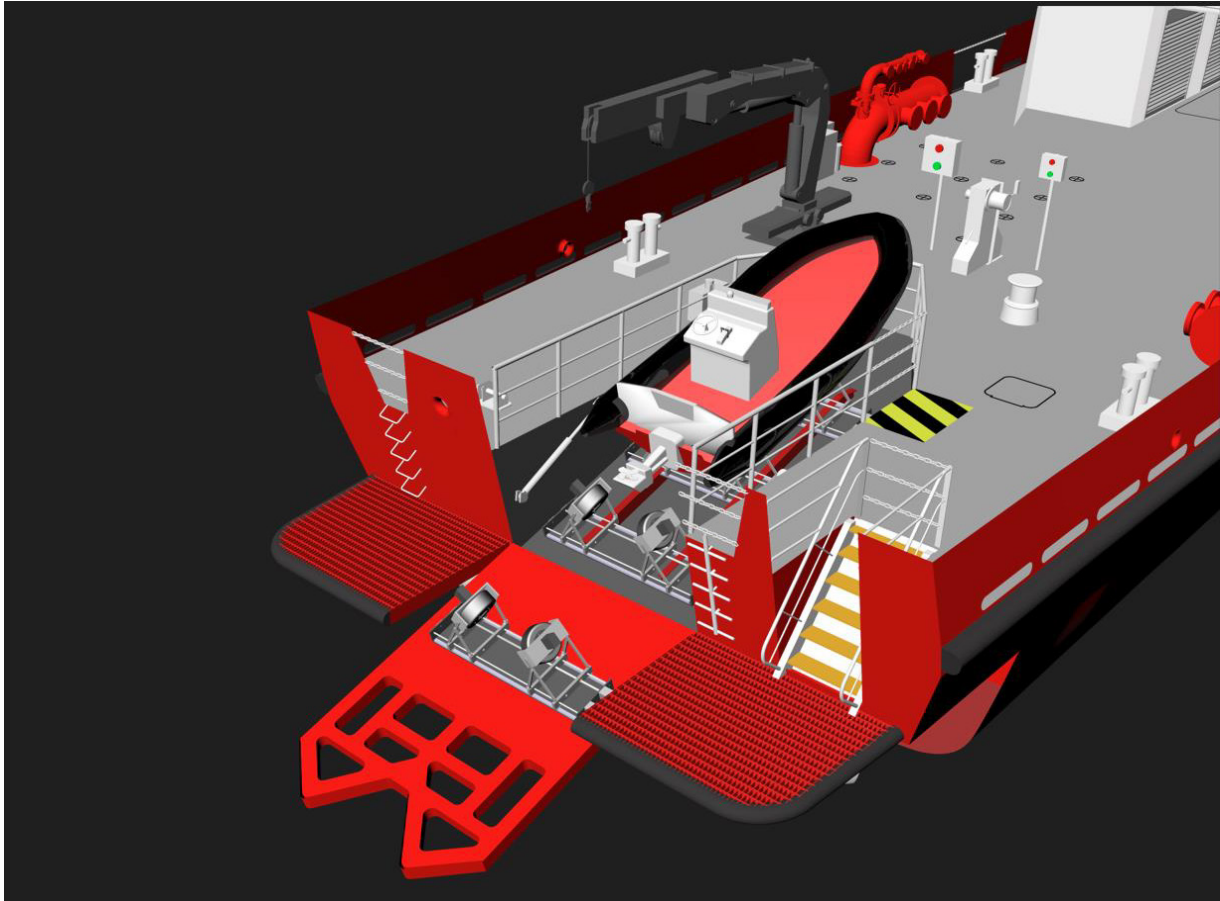
ACCOMMODATION

CREW SIZE	8
RESCUED PERSONNEL	150
FIRST-AID ROOM	
DECONTAMINATION AREA	

SPECIAL FEATURES

CBR PROTECTION AND DETECTION
UAV, ROV OPERATION
NERVA SHIP MANAGEMENT AND SENSE MAKING SYSTEMS
AUTONOMOUS FIREFIGHTING USV
AUTONOMOUS LAUNCH AND RECOVERY SYSTEM

AUTONOMOUS FIREFIGHTING USV



AUTONOMOUS FIREFIGHTING USV SPECIFICATIONS

LENGTH	7.5M
BREADTH	2.7M
DEPTH	2.2M
DRAFT	0.6M
SPEED	40 KNOTS
RANGE	300NM @ 20 KNOTS
WEIGHT	3.75T
FIRE MONITOR	40L/S, THROW 30M
COMMUNICATION RANGE	15KM