



## **2<sup>ND</sup> GENERATION HEAVY FIREFIGHTING VESSEL**



# 2<sup>nd</sup> Generation Heavy Firefighting Vessel



## Principal Specifications (approximate)

Length	55.0m
Breadth	11.0m
Depth to Main Deck	4.80m
Design Draft	2.70m
Scanting Draft	2.90m
Displacement	550t
Gross Tonnage	600

## Classifications

BV ✕HULL, (E), Lightship / Fast Standby Rescue Boat (150 personnel), Firefighting Ship III, Sea Area 2  
 ✕ MACH. ✕ AUT-UMS  
 (OR)ABS ✕A1, (E), HSC Coastal Service, Special Government Service, SSR Capable, FFV3, ✕ AMS. ✕ ABCU.

## Speed and Performance

Max Speed (75% load)	23kts @ 90% MCR
Cruising Speed	15kts
Range	500nm @ 15kn
Dynamic Positioning	DPS1
Operational Sea State	SS3
Survival Sea State	SS5

## Main Machinery

Main Engines	2 x 2340kW at 2100 rpm 2 x 3120kW at 2100 rpm
Propulsion	4 x Waterjets
Generators	3 x 450kWe
Bow Thrusters	1 x 405kW

## Tank Capacities

Fuel Oil	abt. 175m <sup>3</sup>
Fresh Water	abt. 10m <sup>3</sup>
Lube Oil	abt. 2m <sup>3</sup>
Form	abt. 18m <sup>3</sup>

## 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 detection and protection  
 UAV, ROV operation  
 NERVA ship management and sense making systems  
 Autonomous Firefighting USV  
 Autonomous Launch and Recovery System

## External Firefighting Equipment

Fire Pumps	4 x 3600m <sup>3</sup> /h
Fire Monitors	1 x 3600m <sup>3</sup> /h 3 x 2400m <sup>3</sup> /h 2 x 1200m <sup>3</sup> /h 2 x 600m <sup>3</sup> /h

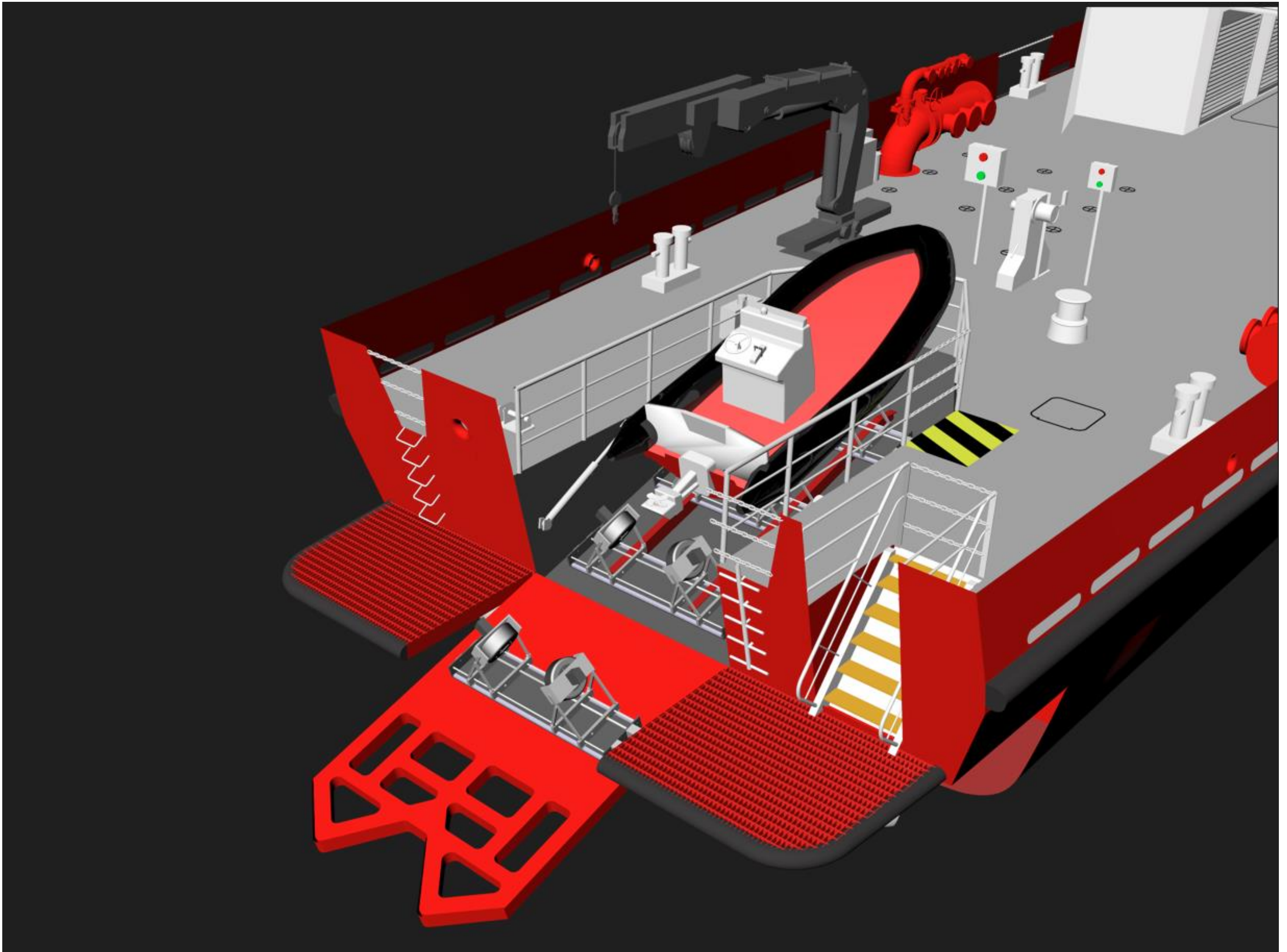
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# Autonomous Firefighting USV



## Autonomous Firefighting USV Specifications

Length	7.50m
Breadth	2.70m
Depth	2.20m
Draft	0.60m
Speed	40kts
Range	300nm @ 20kn
Weight	3.75t
Fire Monitor	40l/s, throw 30m
Communication Range	15km

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