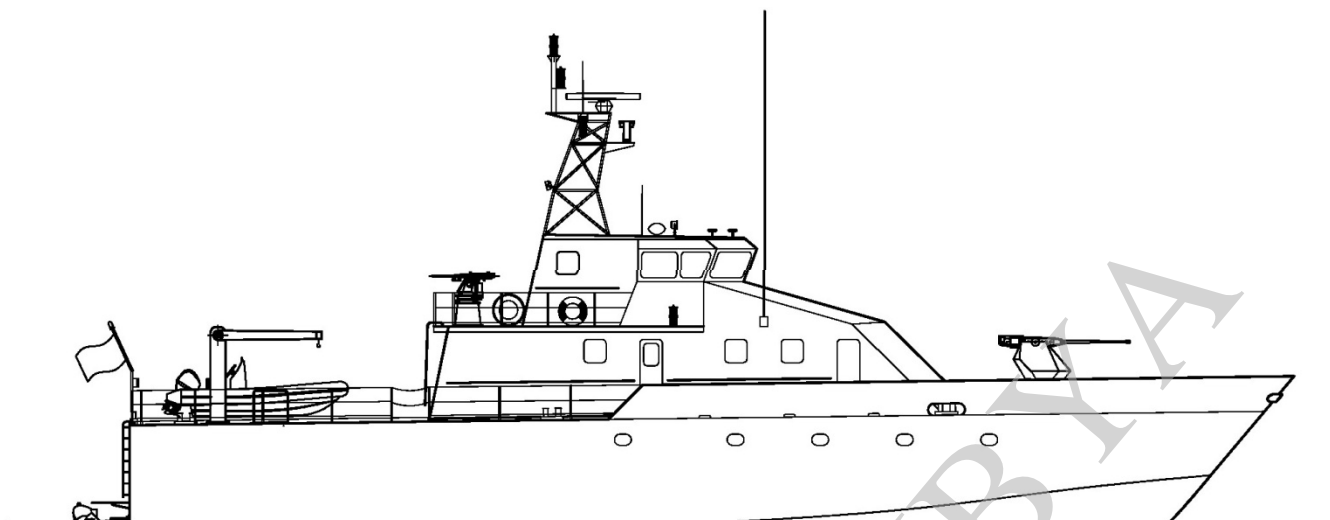




**ADRIA-MAR SHIPBUILDING**



**Maritime Libya**  
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## FPV31 – Fast Patrol Vessel 31 m

### GENERAL

**HULL MATERIAL** Aluminium alloy (Sea grade)  
**SUPERSTRUCTURE MATERIAL** Aluminium alloy (Sea grade)  
**BASIC FUNCTIONS** Patrol, search and rescue, control of EEZ and fisheries, close combat  
**CLASSIFICATION** LR SSC – 100A1 MCH SSC G3 Patrol

### MAIN DIMENSIONS

**LENGTH OVERALL** 32.75 m  
**BEAM MOULDED** 6.48 m  
**DEPTH AMIDSHIPS** 3.75 m  
**DRAUGHT** 1.40 m

### CAPACITIES

**FUEL OIL** 9.0 m<sup>3</sup>  
**FRESH WATER** 1.5 m<sup>3</sup> (+ FW maker)  
**WASTE WATER** 1.2 m<sup>3</sup>  
**FRESH OIL** 0.3 m<sup>3</sup>  
**DIRTY OIL / BILGE WATER** 1.0 m<sup>3</sup>  
**COMPLEMENT** 12 / 16 (with additional crew / guests)  
**OTHER ARRANGEMENTS OPTIONAL ON CUSTOMER REQUEST**

### SPEED AND RANGE

**CRUISING SPEED** 18 kts  
**MAXIMUM SPEED** 30 kts<sup>±</sup>  
**RANGE @ CRUISING SPEED** 600 nm

### PROPULSION SYSTEM

**MAIN ENGINES** 2 x MTU  
**TOTAL POWER** abt. 2880 kW  
**GEARBOXES** 2 x ZF  
**PROPULSION** 2 x water jet (HAMILTON JET, RR, Castoldi)

### ELECTROENERGETIC SYSTEM

**NETWORKS** 230/380 V, 50 Hz AC, 24 V DC  
**GENERATOR SETS** 2 x 125 kVA, Caterpillar  
1 x 64 kVA, Caterpillar

### DECK LAYOUT

**ANCHOR EQUIPMENT**  
**ANCHOR WINCH**  
**AUXILIARY VESSEL**

### LIFE SAVING EQUIPMENT

**LIFE BUOYS** 4  
**LIFE JACKETS** 18  
**FIRE EXTINGUISHING EQUIPMENT**

### AUXILIARY EQUIPMENT

**ENGINE ROOM VENTILATION**  
**FIRE & BILGE PUMPS**

**FRESH WATER MAKER**  
**FUEL SEPARATOR**  
**SEWAGE SYSTEM**

### ACCOMMODATION

**MAIN DECK**

1 x DANFORTH, 110 m U2 chain  
Electrically driven, chain stopper  
4.8 m, min. 40 HP, 35 kts, on deck

Hand operated extinguishers:  
CO<sub>2</sub>, ABC powder, foam  
Fixed ER system (FM200)

2 x 15,000 m<sup>3</sup>/h  
2 x 25-30 m<sup>3</sup>/h, 380 V  
Croatia pumps / Iron Pump  
IDROMAR min 2,000 l/day  
As per ME OEM recommendation  
Gravitational

1 x Commanding officer's cabin  
1 Officers' mess, galley, ambulance /  
prison, sanitary, HVAC space

**LOWER DECK**

1 x Chief engineer's cabin  
2 x 2-person officers' cabins  
2 x 2 person petty officers' cabins  
3 x 2 person crew cabins  
crew mess, sanitary, stores, workshop

**HVAC**

min. 50 kW cooling capacity

### NAV-COM AND SURVEILLANCE EQUIPMENT

**SEARCHLIGHT**  
**COMPASS**  
**ECHOSOUNDER**  
**RADAR**  
**AIS**  
**GPS/DGPS**

2 x 500 W  
Gyro and magnetic

X-band with chart plotter

**INTERNAL COMMUNICATION**

Intercomm, public address and  
batteryless telephones, CCTV system  
GMDSS A3

**EXTERNAL COMMUNICATION**

### ARMAMENT

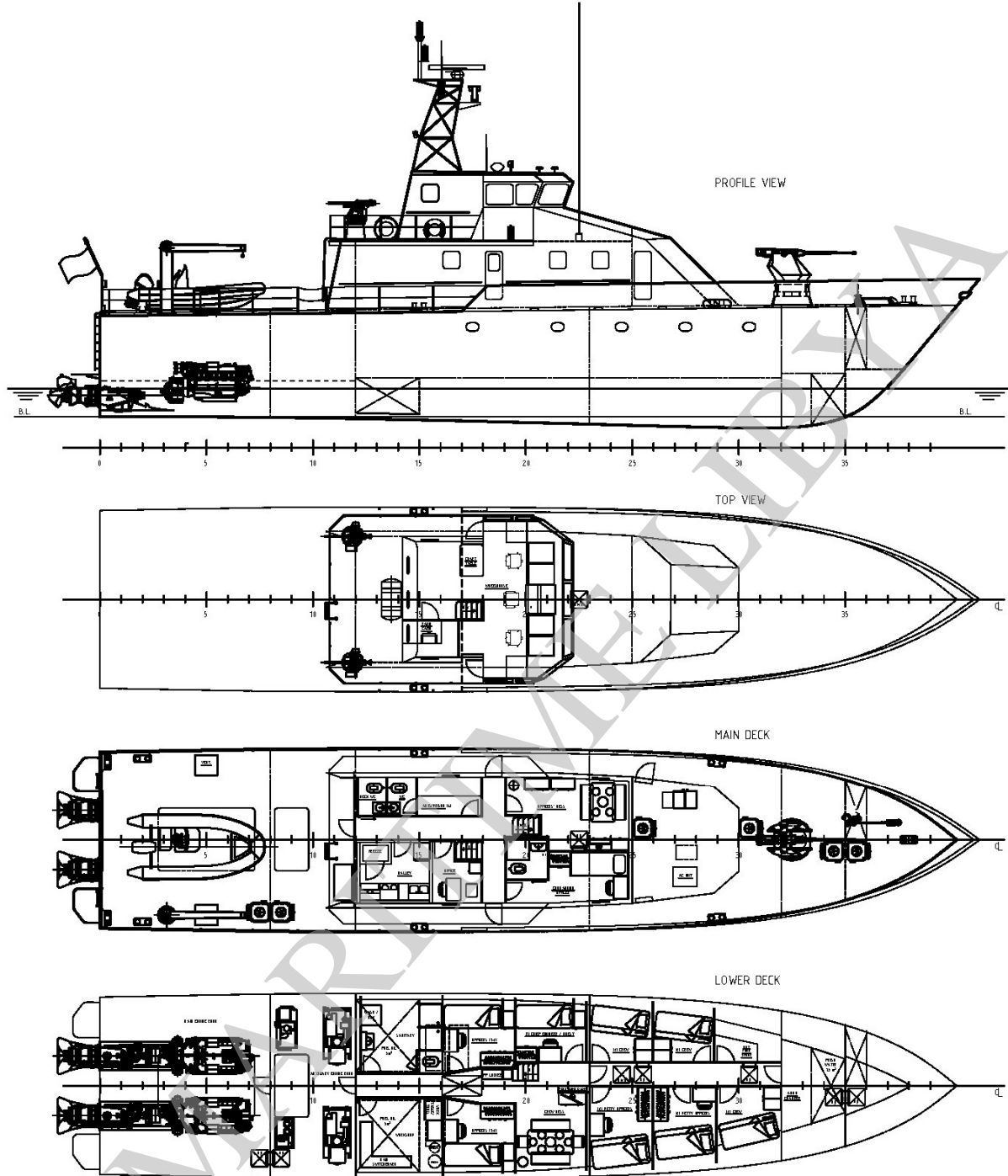
2 x 12.7 mm MGs (upper deck)  
1 x 30 mm naval gun (main deck)  
**OTHER OPTIONS ON CUSTOMER REQUEST**



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## FPV31 – Fast Patrol Vessel 31 m

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## OPB39 – Multipurpose Patrol Vessel

### GENERAL

HULL MATERIAL	Steel (Sea grade)
SUPERSTRUCTURE MATERIAL	Aluminium alloy (Sea grade)
BASIC FUNCTIONS	Patrol, search and rescue, control of EEZ and fisheries, close combat
CLASSIFICATION	LR SSC – 100A1 SSC G3 Patrol

### MAIN DIMENSIONS

LENGTH OVERALL	40.25 m
BEAM MOULDED	7.36 m
DEPTH AMIDSHIPS	4.00 m
DRAUGHT (APPENDAGES)	2.51 m

### CAPACITIES

FUEL OIL	20.6 m <sup>3</sup>
FRESH WATER	3.0 m <sup>3</sup> (+ FW maker)
WASTE WATER	2.2 m <sup>3</sup>
FRESH OIL	0.5 m <sup>3</sup>
DIRTY OIL / BILGE WATER	0.9 m <sup>3</sup>
COMPLEMENT	16 / 20 (with additional crew / guests) Arrangement TBD on customer request

### SPEED AND RANGE

CRUISING SPEED	15 kts
MAXIMUM SPEED	26 kts
RANGE @ CRUISING SPEED	1000 nm (flexible on request)
RANGE @ MAXIMUM SPEED	500 nm (flexible on request)

### PROPULSION SYSTEM

MAIN ENGINES	2 x Caterpillar / MTU
TOTAL POWER	abt. 3500 kW
GEARBOXES	2 x Reintjes / ZF
PROPELLERS	2 x FPP
BOW THRUSTER	1 x 50 kW

### ELECTROENERGETIC SYSTEM

NETWORKS	230/380 V, 50 Hz AC, 24 V DC
GENERATOR SETS	2 x 125 kVA, Caterpillar

### DECK LAYOUT

ANCHOR EQUIPMENT	1 x DANFORTH 180kg, 137.5 m U2 chain
ANCHOR WINCH	Electrically driven, chain stopper
AUXILIARY VESSEL	6.0 m, 90 kW, 30 kts, in slipway

### LIFE SAVING EQUIPMENT

LIFE BUOYS	6
LIFE JACKETS	20
FIRE EXTINGUISHING EQUIPMENT	Hand operated extinguishers: CO <sub>2</sub> , ABC powder, foam Fixed ER system (FM200)

### AUXILIARY EQUIPMENT

STABILIZATION	Bilge keels, Active fins (optional)
ENGINE ROOM VENTILATION	2 x 50,400 m <sup>3</sup> /h
FIRE, BILGE, GENERAL PUMPS	3 x 30 m <sup>3</sup> /h, 380 V 1 x engine mounted 60 m <sup>3</sup> /h Croatia pumps / Iron Pump IDROMAR 4,300 l/day
FRESH WATER MAKER	As per ME OEM recommendation
FUEL SEPARATOR	Gravitational
SEWAGE SYSTEM	

### ACCOMMODATION

MAIN DECK	1 x Master's cabin, 1 x Casualties cabin 1 x Office cabin, 1 x Officers' saloon, 1 x Crew saloon, galley, ambulance, brig, sanitary, HVAC space
LOWER DECK	3 x Crew's cabin, 2 x Petty officer's cabin, 2 x Officer's cabin 1 x Guest cabin, sanitary, stores
HVAC	52.3 kW cooling capacity

### NAV-COM AND SURVEILLANCE EQUIPMENT

SEARCHLIGHT	1 x 1000 W
COMPASS	Gyro and magnetic
ECHOSOUNDER	
RADAR	X-band with chart plotter (S-band optional)
AIS	
GPS/DGPS	
INTERNAL COMMUNICATION	Intercomm, public address and batteryless telephones, CCTV system
EXTERNAL COMMUNICATION	GMDSS A3, loudhailer

### ARMAMENT (OPTIONAL)

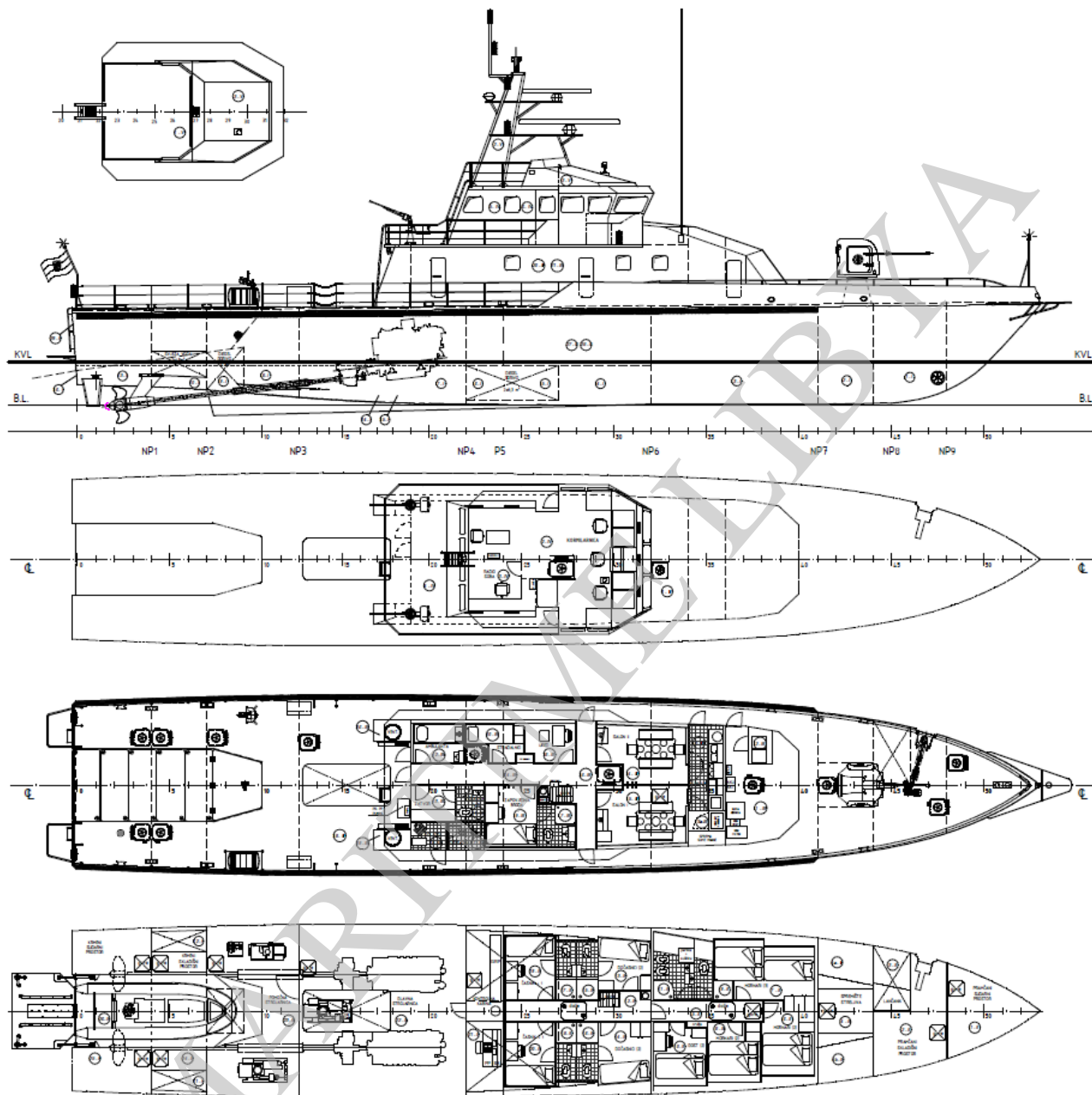
	2 x 20/30 mm naval gun (main deck) 2 x 7.62/12.7 mm machine guns (upper deck) Shoulder launched AA missiles
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