

Essential Marine EMH Eight A800C

'Multi-purpose work- and patrol boat'



Naval Architecture and documentation

Main particulars

l.o.a.	8.365 m
length inflatable collar	7.652 m
length hull	7.400 m
b.o.a.	2.930 m
beam alloy	2.300 m
l.w.l.	6.2 m
Draught hull	0.500 m
Deadrise aft	19°
Displacement	3100 Kg (4 crew, full fuel)
Fender dimension	0.52m
Fender material	PE foam with rugged coating
Propulsion	Single outboard
Max. persons	Dependent on category and seating (CE-B) 8
Fuel capacity	1 x 190 l standard
Certification	CE-B standard Optional: RINA hull attestation Optional: MCA workboat code cat. 3

Performance

Particular performance of the craft with specified weights and propulsion:

Max. speed	dependent on engine choice
Cruising loaded:	dependent on engine choice

Colours:

standard untreated aluminium
optional: painted in clients colour scheme
optional: antifouling treatment

Documentation

General plans
Systems schematics

Manuals

Operation manual vessel
User manuals installed equipment

Construction

Aluminium 5083, seawater resistant aluminium.
8 mm hull plating
5 mm structure
4 mm deck and superstructure

Scantlings to Lloyd's SSC
Self-bailing deck with large scuppers port and starboard

Hatches

Fuel tank inspection and service hatches in deck, bolted
Fuel connection inspection hatches, Bailey Marine

Transom bulwark storage hatches, Lewmar
Anchoring and escape hatch on fwd. cuddy, Lewmar
Anchor locker hatch, Lewmar

Bracket engine service hatch, Bailey marine

Superstructure/Wheelhouse

Aluminium superstructure
Standard seated capacity, 2 operators on jockey seats.
2 x 2 seated on longitudinal benches

Optional: shock mitigation seats

Ergonomic command and navigation position

Weather-tight door

Isolation glass windows with side opening slide windows, 360 degree view

Windshield wipers, 3 pcs

Tanks

Aluminium fuel tank, 190 liter

Fuel fill and ventilation

Optional two tanks, 2 x 190 liter.

Fender / Tube

Full foam fender by Nedcam, high wear resistant polyurea coated HD foam

Propulsion

The craft is designed to be fitted with a single or twin outboard engines.

Engines are not included in the delivery.

Electrical

The on-board electrical system is of the 12V DC type.

DC Switchboards

1 main DC switchboard with eight automatic breakers

2 console switch panel with automatic breakers and six switches.

AC Switchboards

Optionally with shore power

Shore connection

optional

Wiring

Marine grade tin coated flexible cabling, multi conductor, terminating in junction boxes for easy maintenance/expansion works.

Batteries

One main battery management panel with battery switches with emergency parallels, charge relay and battery protector.

Custom Essential Marine Blue Sea panel.

Twin battery banks, one start, one house

Optima red top for start, 55Ah

Optima yellow top for house, 55 Ah

Automatic charging relay, Blue Sea ACL

Emergency parallel combined in main switch, Blue Sea

24 h circuits for bilge pump and memory/emergency services

Undercurrent shut off on house battery for extended battery life.

Optional: battery capacity increase

Lighting

Navigation lights:

Running lights:

Hella Marine Naviled pro

Anchor light:

Hella Marine Naviled 360

Interior lights

Red/white dimmable ceiling 4 units

light:

Electrical accessories

Charging sockets 12V 1 x

USB charging sockets 1 pcs, with 2 outputs

Shore power and AC onboard

optional

Electronics

No electronics are fitted to the craft.
Electronics can be fitted the nav position and helm position.

A Plastimo offshore 95 compass is fitted at the helm station.

Systems

Air-conditioning / Ventilation

Paraffin heater 1200W

Bilge system

Electric bilge pump with auto/off/(on) function on 24h circuit
Manual bilge pump
Bilge alarm system with visual and auditory warning, with override for auditory part

Steering and auto pilot

Steering is not included in the delivery.

Hardware and finishing

All crafts' hardware is constructed of marine grade aluminium or stainless steel 316L.

Anchoring, mooring and lifting

Collapsible cleats on the transom
Tow bollard at the transom
Forward bow eye
Forward Sampson post

Two lift points aft
One lift point forward

Hull fittings/rails and stations/ mast.

All below the waterline hull fittings are certified marine fittings.
Handrails aft cabin structure and roof

Paint system

Hull is bare aluminium
Deck coated in non-skid paint with grit

Optionally: The hull can be painted in various colour schemes, or powder coated.
Antifouling optional.

Corrosion protection / Anodes

Anodes to the hull are fitted depending on the use of the craft and its area of operation.

Safety

Fire extinguishers

Fire extinguisher as per ISO requirement