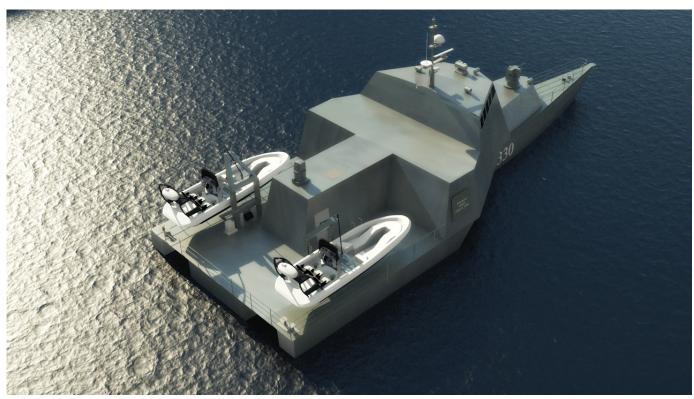
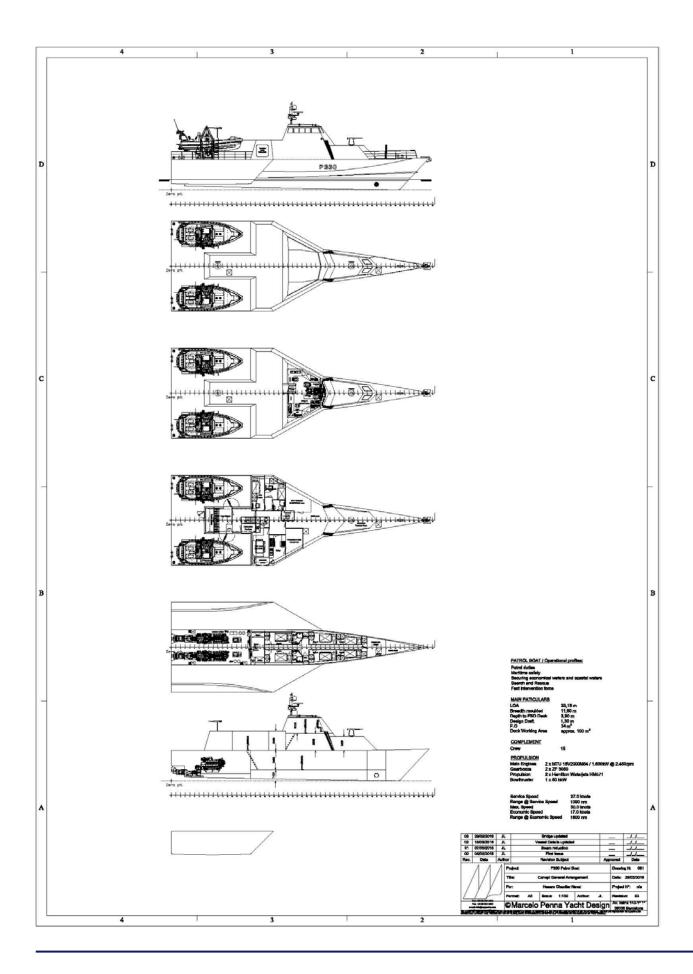
GENERAL DESCRIPTION CNHP330



PATROL BOAT 33 m 18







GENERAL DESCRIPTION

The PATROL BOAT CNHP330 is a high-speed Vessel. The Vessel is well suited for the following services:

- o Patrol duties.
- o Maritime safety.
- o Securing economical waters and coastal waters.
- o Search and rescue.
- Fast intervention force.

The Vessel is propelled by waterjets, which are driven by diesel engines.

The general arrangement plan shows the lay-out of the vessel

DESCRIPTION

HULL / SUPERSTRUCTURE MATERIAL Aluminium plating 5083 H111 & Extrusion 6060 T5 BASIC FUNCTIONS Military Patrol

CLASSIFICATION Bureau Veritas. The classification notation will be:

I ★ Hull • MACH. Light ship / Fast Patrol Boat

REGULATION Applicable rules of IMO (as far as applicable for this type and

size of Vessel):

COLREGS - International Regulations for Preventing Collisions

at Sea

IMO Stability rules IS code 2008 MSC267 (85) and all applicable

amendments.

Marpol 1973/1978 and all applicable amendments.

International Convention for Tonnage measurements of Ships

and all applicable amendments.

ESTIMATED DIMENSIONS

LENGTH O.A.	33.18 m
BEAM O.A.	11.60 m
DEPTH to FBD DECK	3.90 m
DRAUGHT MAX	1.30 m
DECK WORKING AREA	100 m ²

CAPACITIES

FUEL OIL	34 m³
FRESH WATER	3.5 m^3
WASTE WATER	1.2 m ³
CREW	15
RANGE AT SERVICE SPEED	1090 nm
RANGE AT ECONOMIC SPEED	1500 nm

PERFORMANCES (TRIALS)

SERVICE SPEED	27.0 knots
MAX. SPEED	30.0 knots

GENERAL ENVIRONMENT

The CNHP330 PATROL BOAT is generally designed for the following environment conditions:

SEAWATER TEMPERATURE MAX. 37° C

MINI. 4° C

AIR TEMPERATURE MAX. 55° C

MINI. 0° C

RELATIVE HUMIDITY 90% at 0° C and 50 % at 0° C

The specific design condition of the propulsion installation, air conditioning, heating, etc.

PROPULSION SYSTEM

MAIN ENGINES 2x MTU 16V2000M84 TOTAL POWER 1630 kW at 2450 rpm

GEARBOX 2x ZF 3060

PROPULSION 2x Hamilton Waterjets HM571

BOWTHRUSTER 1x 50 bkW

ELECTRICAL EQUIPMENT

NETWORK 230/50 Hz, 24V/DC

GENERATOR 2x Deutz 100 KW at 1500 t/ Mn

1x Deutz 20 KW at 1500 t/ Mn (emergency)

BATTERY One battery set for starting each engine

One battery set for starting each generator

One battery set for all other electrical consumers / emergency.

One battery set for radio / communication

DECK LAY-OUT

ANCHOR Electrical 3.500 Watts

CHAIN (stainless steel)

Diameter 19 mm, length 20 m

Diameter 24 mm, length 80m

TOWING

Towing bollard on aft deck

TOWING LINES

1x250m, 1x120 32mm

CAPSTAN

2x Electrical 1.500 Watts

CRANE 2x Hydraulic system for Finders

FINDERS 2x 8.80 m Hypalon RIB – 10 persons – 2x 150 HP

LIFE SAVING EQUIPMENT

LIFEJACKETS 20 Lifejackets SOLAS

SAVING EQUIPMENT All saving equipment SOLAS for the Boat and national

authorities concerned

LIFE RAFT 2x 10/12 persons INERT GAS EXTINCTIONMACHINE FM200 in machine

FIRE EXTINGHUISHERS 10, CO2 and AFFF types
RESCUE 2x Stretcher transport system

AUXILIARY EQUIPMENT

ENGINE ROOM VENTILATION 2 Electrical Ventilators machine compartment

GENERAL SERVICE PUMPS 230 V and 24V submersibles

FUEL SYSTEM 1 Header tank, roll-over proof. Separate systems for each

engine. Filters debug system.

EXHAUST SYSTEM Duplex steel, with water injection

AIR CONDITIONNING SYSTEM Reverse cycle, 230 V, 180.000 BTU/h and VMC system

WATERMAKER 1x HP 230 l/h

PIPING All system in Stainless steel type 316L

SALVAGE PUMPS 2x 80 m3/h diesel

ALARM MONITORING SYSTEM Alarms according to class

ACCOMODATION

The layout of the accommodation and wheelhouse is shown on the relevant General Arrangement Plan.

INSULATION

In accordance with regulation of the classification society.

WHEELHOUSE

4 x Seats, dashboard, desks and bunks seats Control room

MAIN DECK

Deck store, dry room, ammunition fire arms, CO's cabin,

Officer's cabin, Toilets, Galley and storage, Mess, Electronic

Room, ladder

BELOW MAIN DECK 6 crews cabins, 2 toilets, Thruster room, ladders and escape

PAINTING

HULL BELOW WATERLINE

Marine Epoxy system and antifouling

DECK Marine Epoxy system

NAUTICAL, SURVEILLANCE AND COMMUNICATION EQUIPMENT

SEARCHLIGHTS Remote controlled

NAVIGATION SYTEM Raymarine C120 series or similar with 2 radars, 2 gps, chart

plotter, echo sounder and two displays. Immarsat, AIS, thermal

cameras, receiver, compass, autopilot, intercom.

COMMUNICATION GMDSS A1, GMDSS A2, 5 hand held VHF