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Damen Fast Crew Boat.



Listing ID - 2185

Description Damen Fast Crew Boat

Date 2012

Launched

Length 12.56m (41ft 2in)

Beam 3.85m (12ft 7in)

Location South-Vietnam

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Price USD 650,000

Main Particulars

The Damen Stan Patrol 1204 is a modern high-speed Vessel of standard design.

The vessel is well suited for the following services (amongst others):

- Safety patrol
- Maritime safety

The vessel has a chined hull with deep-V bottom and spray rails.

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

The Damen Stan Patrol 1204 is designed to ensure the following qualities for all aspects of the Vessel and for all the tasks it has to perform:

- Efficient and accessible layout
- Excellent performance
- Cost effective to operate

- Easy to maintain
- Built to modern and high standards
- Fitted with new and high standard commercial components.

Principal Dimensions

Length Overall (including appendages): 12.56m

Length moulded: 11.47m

Beam over all (including appendages): 3.85m

Beam Moulded: 3.60m

Depth at side (at half length): 1.67m

Draught max. (approximately): 0.80m

Tank Capacities

Fuel Oil: 0.87m³ / 0.73 ton

Fresh Water: 0.08m³ / 0.08 ton

Waste Water: 0.03m³ / 0.03 ton

Other capacities

Crew: 2

(Industrial) personnel: 2

Gross tonnage / Net tonnage approx.: 15 / 5

Deck cargo aft (max.): 0.50 ton

Dead weight: The total maximum deadweight (fuel, persons, cargo, etc) should not exceed 2.50 ton.

Layout

The vessel is divided into the following watertight compartments:

- Engine room
- Accommodation
- Fore peak

Propulsion and Speed

The vessel's propulsion system consist of two marine diesel engines, each driving a waterjet. Full details are given in the Propulsion Selection Diagram (item 2014). The engines are indirectly seawater cooled and electrically started and can be removed via a large hatch.

Flag State Authorities

National Authorities

The vessel will be designed and built to comply with the regulations of ST. Vincent and the Grenadines.

Regulations

The vessel shall comply with the latest edition of the applicable rules of IMO (as far as applicable for this type and size of Vessel):

- COLREGS – International Regulations for Preventing Collisions at Sea
- Statement of main engine's supplier is supplied, that engines comply with IMO emission requirements (EIAPP – Annex VI).

Shipbuilding (Hull and outfitting)

Materials: Aluminium

Marine grade light alloy (aluminium) type.

- Plating: EN-AW 5083 (equivalent to ISO Al Mg 4.5Mn)
- Extrusions EN-AW 6082 (equivalent to ISO Al Mg Si 1) or EN-AW 6060 (equivalent to ISO Al Mg Si 0.5)

Stainless Steel

Stainless steel type 316L or 321 is used unless mentioned otherwise

Welding

All welding will be performed in accordance with actual classification requirements.

On the outside of the hull, the bottom area and for all other areas where contact with water is expected e.g. water tank, sanitary rooms etc., the welding will be continuously.

Hull

General Description

The single chine hull has a deep V- bottom, spray rails, a transom stern and a raked bow.

The hull is manufactured for aluminium plates, certified by a major classification society.

Longitudinal and transverse constructions, including engine beds, etc have suitable drainage holes to allow free draining of water to the bilge suctions.

Hull Scantlings

Hull scantlings are based on the requirements of a major Classification Society and / or by "Finite Element Method" calculations.

All the below mentioned thickness are indicative only and can be change based upon final construction analysis.

Side plating: 4mm

Bottom plating: 6mm

Deck plating: 4mm

Bulkheads: 4mm

Transom plating: 4mm

Sea Inlets

For each main engine a seawater inlet pipe is integrated in the hull construction.

Seawater for the auxiliary engine, toilet and / or the airconditioning system is taken from a separate inlet.

The ample size seawater inlets are designed for operation in the environmental conditions.

Trim Tabs

Two trim tabs are fitted at the Vessel's stern to ensure an optimum trim. Each trim tab is provided with a stainless steel tension rod, which can be manually turned for an optimum position of the trim tab.

Superstructure

General Description

Glass reinforced superstructure is resiliently mounted on the hull construction. The efficient layout offers an unobstructed view in all directions. The wheelhouse has an access door in the aft bulkhead and is provided with the following windows:

- Two windows at the front.
- Three windows at each side.
- Two windows at the back.
- Two windows in the access door.

In front of the wheelhouse a small crew accommodation is situated.

Hatches / Doors / Windows

General Description

All hatch covers are watertight by means of gaskets or rubber.

Forepeak Hatch

Make: Freeman (or equivalent)

Type: 20" (500mm)

Engine Removal Hatch

Aluminium flush hatches for access to the engine room and the removal of the main engines are fitted on the main deck.

Ventilation Hatch Accommodation

Make: Gebo (or equivalent)

Dimensions: 620 x 620mm

Inspection Hatches

Where necessary inspection hatches are provided for the tanks, voids, bilges, etc.

Closing Devices Air Ducts

The air duct and ventilator openings have the following closing devices:

- The engine room ducts are provided with fire flaps.
- The accommodation air inlet and / or outlet ducts are provided with fire flaps or closing hatches.

Watertight And Weather Tight Doors

All outside doors are fitted with stainless steel / synthetic hinges and toggles and can be secured in an open position.

Wheelhouse Door

The external Weathertight wheelhouse door is of a GRP construction.

Make: Winel (or equivalent)

Type: Musketeer GRP

Windows / Portholes / Blindages

Glass thickness: 12mm for the wheelhouse front windows

6mm for the wheelhouse side/aft windows

Make: Hora (or equivalent)

Type: AK+

Window Wipers

Make: Exalto

Number front wipers: 2

Fresh water window washing

The windows with window wiper are provided with a fresh water washing system.

Solar screens

Solar screens of the rolling type are fitted to all the wheelhouse windows.

Stairs / Ladders / Platforms

Stairs, ladders, railing, handrails and platforms are positioned to generally conform with the General Arrangement Plan.

Stairs / Ladders /Climbing Steps

Stairways

Stairs with anti-skid steps are fitted in the accommodation.

Masts

Navigation Masts

A GRP mast for navigation lights, flags and aerials is mounted on the top deck.

Propulsion Engine System

The main engines have integrated systems for lubrication oil, cooling water (inter-cooling) and fuel oil. The main engine are electrically started and are provided with turbo charging and charge air-cooling.

Reduction Gear System

Gearbox

Each engine is coupled to a gearbox with electrically operated from the dashboard. The gear box is provided with a built-in clutch for neutral and forward operation. The reverse function can be used for back flushing of the water jet.

Thrust System / Shafts

Drive Shafts

Make: Centa

Type: CF-A-140-GB

Waterjets

Waterjets, fitted at the bottom and transom, propel the vessel.

Steering Gear System

Powered Hydraulic Steering Gear

The steering pump is activated by the electric control system and is powered by a PTO of a drive shaft.

Bilge / Ballast / Internal FI-FI

Manually-Operated Bilge Pump Fore Peak

Make and Type: Whale Gusher 10

Capacity Approx.: 65l/min

Electrically Driven Bilge Pumps

Capacity approx: 200L/min (each)

Make: Jabsco (or equivalent)

Type: Rule 16A

Deck Hydrant and Fire Hose

Length fire hose approx: 6.0 meter

Number of hoses: 2

Coupling type: 1½" Storz

Water Separator

Make: Separ (or equivalent)

Type: SWK 2000

Emergency Stopping of the Fuel Oil Supply

In an emergency, the fuel oil supply to the engines can be stopped from outside the engine room.

Duplex Oil Filter

Each main engine is provided with a built-on duplex fuel oil filter.

Fresh (And Sea) Water Supply System

The fresh water tank is connected to a foot pump, which supplies fresh water to the tap(s).

Fresh Water Tank

A synthetic fresh water tank is fitted in the vessel.

Fresh Water Pump

Capacity: 16.0l/min at 2.8 bar

Make: Jabsco (or equivalent)

Type: Sensor Max 17

Sanitary Discharge System

Toilet

Make: RM (or equivalent)

Type: 69

Carbon Filter

Make: Vetus (or equivalent)

Type: NSF

Two air cooled units for the wheelhouse with a capacity of 13.500BTU each

Voltage: 110V

Make: Seamach

Alternators (24V)

Capacity approx.: 75 A (portside)

75 A (starboard)

Battery Sets (24V)

Battery Charger

Voltage: 24V

Capacity: 1800W

Make: Mastervolt (or equivalent)

Type: 24/75

Generators:

Voltage: 230V

Phase(s): 1

Frequency: 50Hz

Capacity: 4.0kW-4.0kVA

Make: Cummins Onan

Type: 4 MDKBH

Anchor with Line

Anchor Type: Pool N

Anchor weight: 20 kg

Chain length: 15m

Chain diameter: 10mm (short-link)

Length nylon line: 55m

Diameter nylon line: 18mm

Number installed: 1

Mooring Lines

Mooring lines are provided with the vessel.

Number: 3

Length: 16m

Diameter: 18mm

Lifebuoys

Two lifebuoys are stored in frames and fitted on the vessel.

Lifejackets

Make: Marine Assist (or equivalent)

Type: Shipshape II

Life Raft

Number: 2

Capacity: 8 persons each

Make: RFD (or equivalent)

Parachutes

Number: 6

Colour: Red

First Aid Kit

Number: 1

Fire Blanket

Number: 1

Fixed Internal Fi-Fi System

The engine room is provided with an aerosol fire-fighting system.

Make: Marinex (or equivalent)

Type: Stat-X

Joinery wheelhouse

Floor: GRP gel coat

Lining: GRP gel coat

Ceiling: GRP gel coat

Joinery Accommodation

Floor: GRP gel coat

Lining: GRP gel coat

Ceiling: GRP gel coat

Console and Helmsman Seat

Make: Norsap (or equivalent)

Type: 800

Navigator Seat

Make: Norsap (or equivalent)

Type: 800

Bunks

Dimensions: 2000 x 650mm

Material: Polyether

Pantry

- Stainless steel sink with cold water tap
- Cupboard underneath the sink
- One hotplate (230V via shore supply)
- One kettle of approx. 1.5L
- Refrigerator, 50L, (24)

Navigation Lighting

- Two (2) side lights, portside is red and starboard side is green
- One (1) stern light, white
- One (1) anchor light, white

Make and type: Den Haan (or equivalent)

Type: DHR 35

Search Light System

Voltage: 24V

Capacity: 250W

Make: Den Haan (or equivalent)

Type: DHR 220

Horn

Make: Ongaro (or equivalent)

Type: Marine duel trumpet

Radar

Display: 12" colour TFT

Radar scanner: 24" digital dome, 4kW

GPS: SDGPS Raystar 125

Echo Sounder: DSM300

Chart: Navionics Silver

Voltage: 24V

Make: Raymarine (or equivalent)

Type radar: C120

Chart Plotter

A chart plotter is integrated with a radar system.

GPS Navigator

A GPS system is installed and is displayed on the integrated navigation system.

Automatic Identification System

Make: Raymarine

Type: AIS 500

Compass

Magnetic Compass

Make: Ritchie (or equivalent)

Type: Navigator HB-71

Echo Sounder

Digital Echo Sounder

An echo sounder is part of the chart plotter.

VHF Radio Telephone / Loudhailer

A combined VHF radio telephone with all international channels and loudhailer is installed.

DSC: Class D

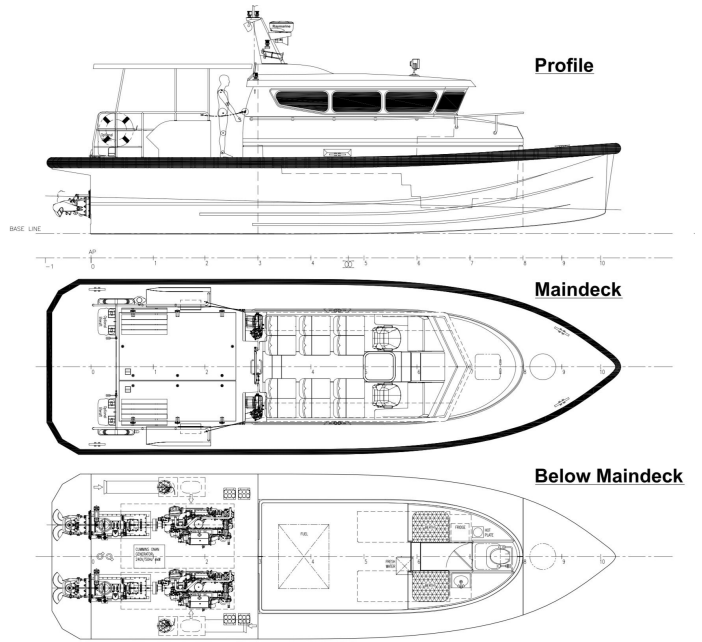
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Make: ICOM

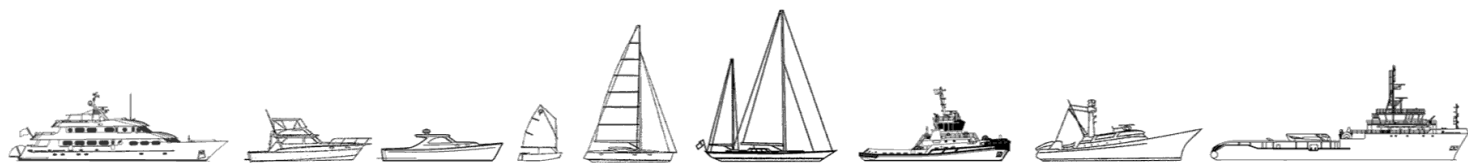
Type: IC-M505

Radio / DVD

The vessel is equipped with a radio / DVD player with USB connection.



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