FCS 5009 - PATROL

STANDARD

GENERAL
Hull material Steel
Superstructure material Aluminium
Basic functions Fast supplier / Crew boat / Patrol duties / Maritime safety / Securing economical Waters & coastal boundaries /
Search and rescue
Classification Bureau Veritas

| Hull •MACH | Light Ship/ Fast Patrol Boat |
| Sea Area 4 |

DIMENSIONS
Length overall 53.2 m
Beam overall 10.1 m
Depth at sides 4.7 m
Draught max 3.5 m
Deadweight max Up to 325.0 t
Multi mission deck area 240.0 m²
Deck load 2.5 t/m²
Deck cargo 250.0 t
Gross tonnage 454
Crew Up to 8 persons
(Security) personnel Up to 16 persons

TANK CAPACITIES
Fuel oil 168.1 m³
Fresh water 28.4 m³
Fresh water cargo 173.1 m³
Sewage 7.2 m³
Bilge water/ dirty oil 2.6 m³

PERFORMANCES
Speed Up to 27.0 kn
Range at max speed 3,100 nm

PROPSULSION SYSTEM
Main engines 4x Caterpillar / MTU
Total Power Up to 6,712 kW
Gearboxes 4x Reintjes WVS series
Propulsion 4x Fixed pitch propeller
Bow thruster 2x 75 kW, electrically driven

ELECTRICAL EQUIPMENT
Network 24V DC, 240V/415V 60Hz AC
Generator sets 2x 99 kW

Note: Delivery of vessel and/or equipment may be export controlled

DECK LAY-OUT
Anchor equipment 1x 184 kg VHHP Pool TW, steel wire cable, hydraulic winch
Fendering Steel fender on deck level, heavy duty rubber fender at transom corners, tyre fenders at sides and transom

SHIP SYSTEMS
Ship systems are according to Class
Fuel filtration 1x Non-self-cleaning dynamic separator
Engine room ventilation 2x Supply fan, 72,000 m³/hr in total
Air-conditioning Up to 285,000 BTU/hr
Fire extinguishing Novac 1230 in engine room

ACCOMMODATION
Bridge deck Wheelhouse
Main deck Personnel cabins, mess, pantry, sanitary spaces, store
Lower deck Mess, galley, crew cabins, sanitary spaces, store

NAUTICAL AND COMMUNICATION EQUIPMENT
Integrated navigation system
Remote monitoring system
Searchlight 2x
Radar 1x X-band
Electronic chart 1x Non-ECDIS
GPS 1x
AIS 1x
Compass 1x Magnetic, 1x GPS
Autopilot 1x
Echo sounder 1x
Internal communication Intercom, loudhailer
External communication GMDSS A2
Weather system 1x

OPTIONAL
Classification Fire Fighting Ship 1 with water spray
Containerized accommodation unit
Aft deck covering Wood
Bilge water separator 1x 0.5 m³/hr
Fuel consumption monitoring system
Sewage treatment plant
Hoisting equipment Foldable deck crane
Davit system and daughter craft
Cargo pump 2x 70 m³/hr at 6.3 bar (for fuel and fresh water)
External fire fighting 2x 1,200 m³/hr remote controlled monitor, water spray, foam tank
Accommodation Aft steering position, treatment room, survivors’ space, office, additional food store
Various navigation equipment
External communication GMDSS A3
Data communication 4G, V-SAT, Fleet Broadband, Iridium, Wi-Fi system, LAN system
Night vision camera Wheelhouse, mess, with steel plates/glass
CCTV system
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Items marked with ✓ are optional equipment

DAMEN SHIPYARDS GROUP