

Versatile Sea aXe 5209 Crew

STANDARD



SEA AXE

PICTURE OF SIMILAR VESSEL

GENERAL

Hull material	Steel
Superstructure material	Aluminium
Basic functions	Crew and cargo duties
Classification	I * Hull •MACH Crew boat Sea Area 4

DIMENSIONS

Length overall	53.2 m
Beam overall	9.8 m
Depth at sides	4.7 m
Draught max	3.5 m
Deadweight max	Up to 325 t
Cargo deck area	240 m ²
Deck load	2.5 t/m ²
Deck cargo	250 t
Gross tonnage	454
Crew	8 persons
(Industrial) personnel	80 persons

TANK CAPACITIES

Fuel oil	169.9 m ³
Fresh water	28.6 m ³
Liquid cargo	134.0 m ³
Sewage	7.1 m ³
Bilge water / dirty oil	2.6 m ³
Clean oil	1.0 m ³

PERFORMANCES

Speed	24.0 kn
Range at 22 knots	3,100 nm

PROPULSION SYSTEM

Main engines	4x Caterpillar 3512C TA
Total power	4,920 bkW
Gearboxes	4x Reintjes (Z)WVS series
Propulsion	4x Fixed pitch propeller
Bow thruster	2x 85 ekW electrically driven

ELECTRICAL EQUIPMENT

Network	24V DC, 230V/400V 50Hz AC
Generator sets	2x 150 ekW

DECK LAY-OUT

Anchor equipment	1x 184 kg SHHP Pool TW, steel link chain, hydraulic winch
Aft deck covering	Wood
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	Filter separator CJC
Bilge water separator	1x 0.5 m ³ /hr
Engine room ventilation	2x Supply fan, 72,000 m ³ /hr in total
Air-conditioning	325,000 BTU/hr
Fuel cargo pump	1x 70 m ³ /hr at 6.3 bar
Fire extinguishing	Fixed system in the engine room

ACCOMMODATION

Bridge deck	Wheelhouse
Main deck	Personnel seats, luggage store, sanitary spaces
Lower deck	Mess, pantry, crew cabins, sanitary spaces, store

NAUTICAL AND COMMUNICATION EQUIPMENT

Integrated navigation system	
Remote monitoring system	
Searchlight	2x
Radar system	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

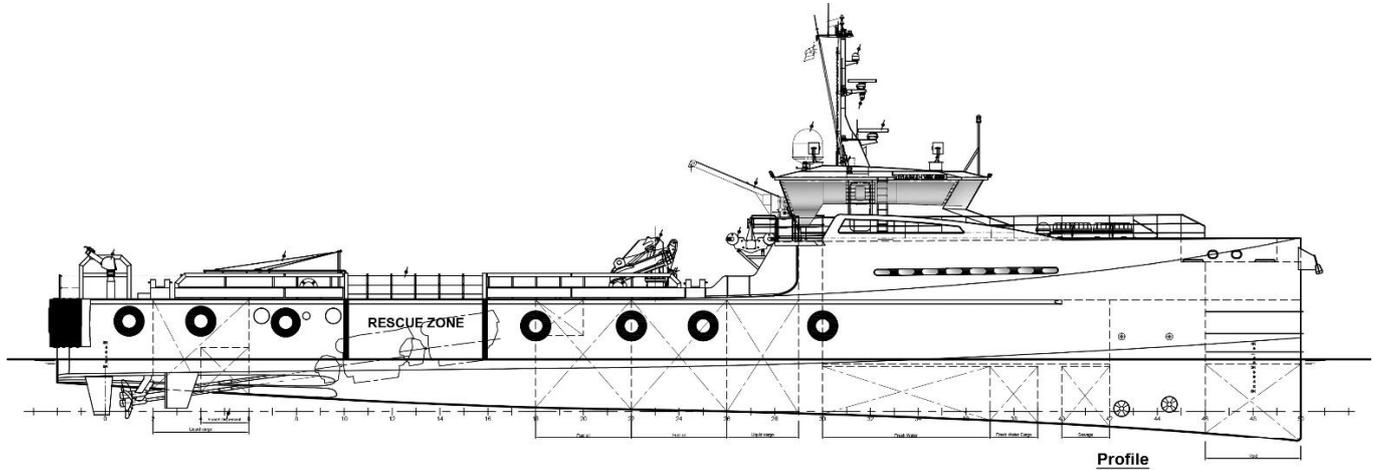
OPTIONAL

Containerized accommodation unit	
Fuel consumption monitoring system	
Sewage treatment plant	
Notation	Dynapos AM R (DP2), Fire Fighting Ship 1 with water spraying
Propulsion trains	Other engine ratings, other engine types (up to 4x 1765kW)
Exhaust after treatment	IMO Tier III (SCR system)
Roll reduction	Gyro stabilizing system VEEM VG520SD (located in separate housing on aft deck), Fin stabilizing system make Quantum Hydraulics
Hoisting equipment	Foldable deck crane, container fittings
Deck markings	Winch only area, rescue zone(s)
External fire fighting	2x 1,200 m ³ /hr remote controlled monitor, water spray, foam tank
Oil spill equipment	Dispersant pump, boom and tank
Davit system and (fast) rescue boat	
Crew transfer system (active gangway, basket)	
Personnel accommodation	Alternative lay-out, extra bunks/cabins, VIP seats, aft steering position
Dynamic Positioning system (redundant)	
Various navigation equipment	GMDSS A3
Data communication	Iridium, Starlink, V-SAT, Fleet broadband, 4G, Wi-Fi system, LAN system
Night vision camera	Various types
CCTV system	

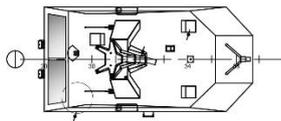
DAMEN

Versatile Sea aXe 5209 Crew

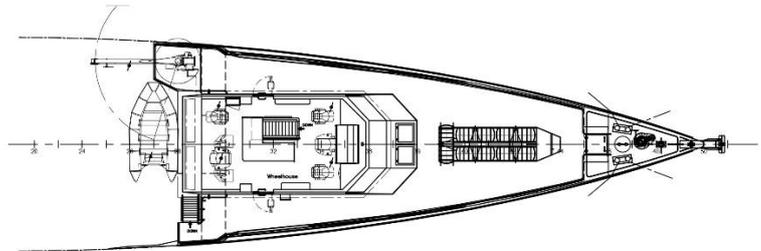
STANDARD



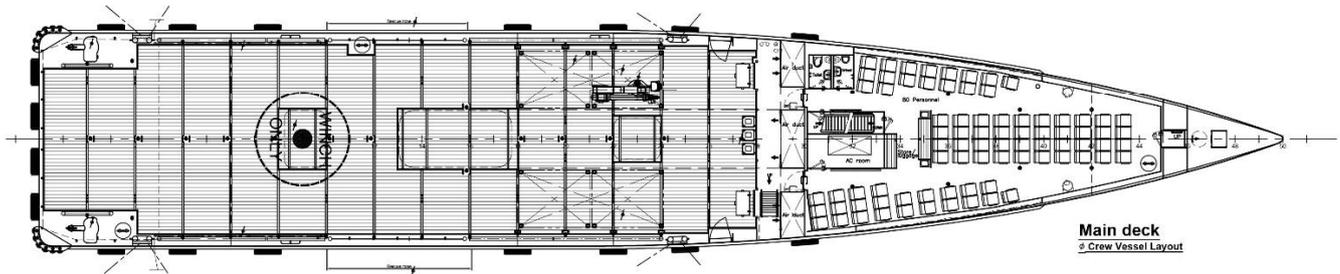
Profile



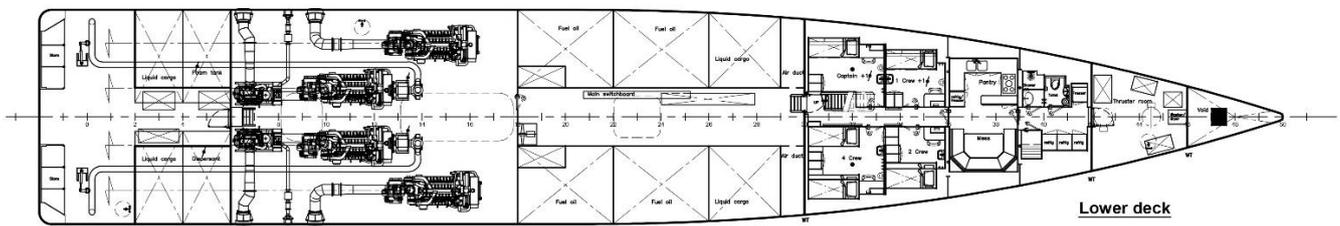
Top of Wheelhouse



Bridge deck



Main deck
© Crew Vessel Layout



Lower deck

DAMEN

Damen.com

©This product sheet is designed to inform about Damen and its product(s). All data presented is preliminary and subject to changes. No rights can be derived from this information with regard to dimensions, characteristics or performances of any of the products shown. Damen is not liable for the consequence of taking on the information from the product sheet. The entire contents of this product sheet (text, drawings, photos, etc.) is copyrighted and may not be reproduced or distributed without the specific written permission of Damen.