



## DAMEN SCHELDE NAVAL SHIPBUILDING

### CROSSOVER XO 131 C (Combatant)

#### GENERAL

The Damen CROSSOVER is the ultimate mission modular naval concept. As multiple modes of access and handling are provided, future systems, unknown at the present, will be able to be fitted and operated.

#### OPERATIONAL PROFILE

Permanently fitted mission systems, complemented by capability packages, provides the CROSSOVER with a wide operational profile:

- Mine Counter Measure (MCM)
- Search and Rescue (SAR)
- Hydrographic Survey
- Humanitarian Aid
- Counter Human Trafficking
- Anti-Submarine Warfare (ASW)
- Oil Pollution
- Counter Terrorism
- Harbor Protection
- Counter Drug
- Anti-Piracy

Classification / Requirements Base: Military

#### DIMENSIONS

Length o.a.	131.0 m
Beam	19.6 m
Draught (max)	5.0 m
Displacement full load	5300 tonnes

#### PERFORMANCE

Maximum Sustained speed	28 knots
Range at 14 knots	7000 nm
Endurance	30+ days at sea crew only 15+ days at sea with full complement

#### PROPULSION SYSTEM

Propulsion system:	Diesel - Hybrid
Propulsion:	4 Diesel Engines + 2 x Electrical PTI
Propellers:	2 x Controllable Pitch Propellers

#### COMPLEMENT

Crew min./max.:	108/125
Additional personnel	128

#### TRANSPORT CAPACITIES

Flight deck:	1 Helicopter spot, heavy weight helicopter
Hangar:	280 m <sup>2</sup> 2 x Medium Helicopters Unmanned Aerial Vehicle (UAV 3 x TEU)
X-Deck:	530 m <sup>2</sup>
Multi Functional Missions Space:	285 m <sup>2</sup>
Mission Cargo Hold:	160 m <sup>2</sup>
Ship stores:	100 m <sup>2</sup>
Mission Ammunition Store:	100 m <sup>2</sup>
Ship Ammunition Store:	88 m <sup>2</sup>

#### EQUIPMENT

- NBCD Citadel (2-Zones)
- Ammunition Elevator
- 1 x RHIB (6 meter)
- 2 x LCVP (Optional)
- 3 x Fast Interception Craft (Optional)
- X-Deck overhead crane / DAVIT System SWL 2 x 15 tonnes
- Detachable Ramp (Stern/Side)
- Provision Crane SWL 1.5 tonnes
- Convertible Slipway + Recovery System / Landing Craft Beach

#### WEAPONS & SENSORS SUITE

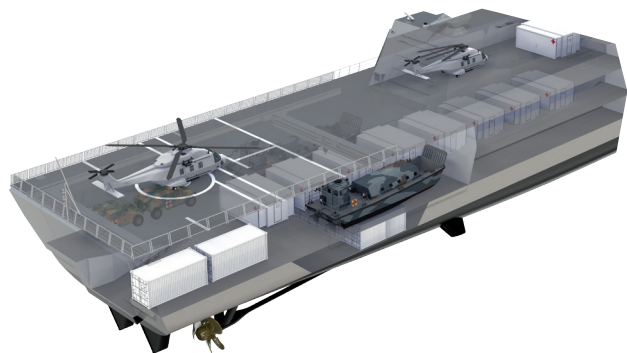
**Communication:** Combat management system, Command and Information Centre, Integrated internal & external communication system

**Sensors:** I-Mast 100, IFF System, X/S Band Radar, Helicopter Approach Radar, 2 x STIR, 2 x Military SATCOM, 1 x SATCOM, 1 x ECM and Hull Mounted Sonar Sensors

**Weapons:** 1 x 76mm gun, 2 x 35mm Millennium gun, 2 x 12.7mm RC Force Protection, 2 x Torpedo Launching System, 1 x VLS (AAW), 2 x SRBOC Launcher and 2 x Harpoon (SSM)

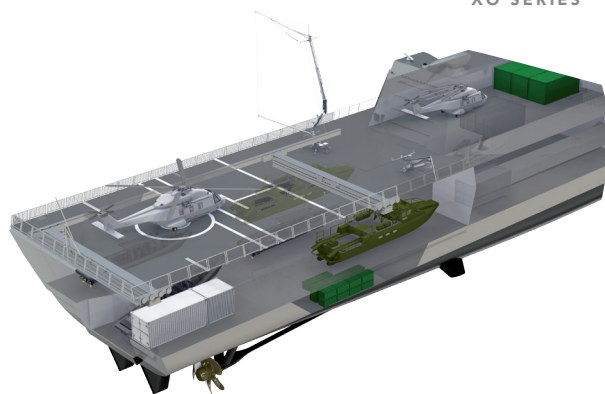
**ROLE SWITCHING:  
DEDICATED CAPABILITY PACKAGES**

**CROSSOVER**  
XO SERIES



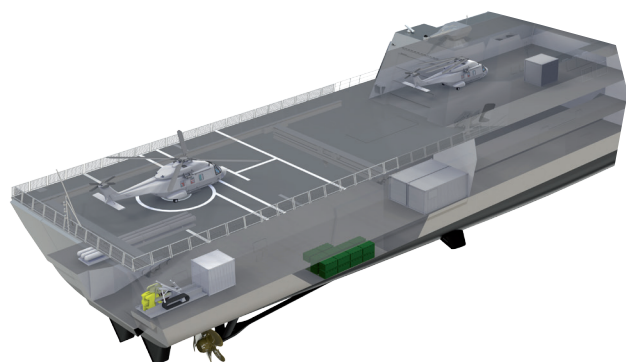
**HUMANITARIAN AID & DISASTER RELIEF (HADR)**

- Onboard deployable hospital
- Helicopters
- Ambulances
- Landing Craft



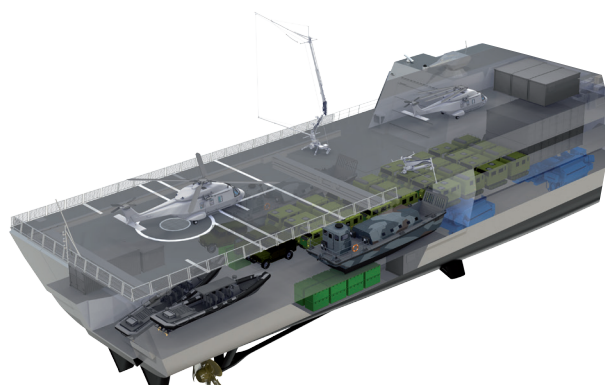
**ANTI PIRACY**

- Fast interception craft
- Fixed wing UAV
- Detention & medical elements
- Intelligence & coordination



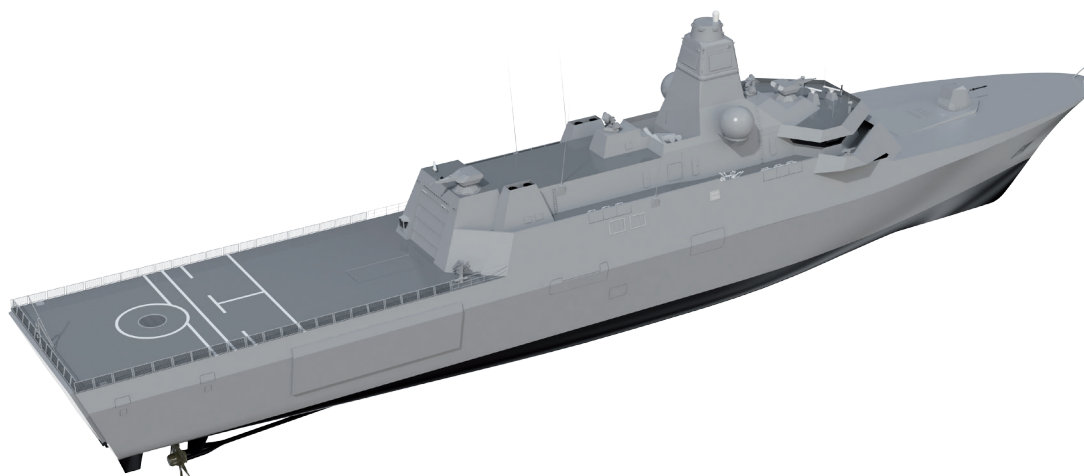
**ANTI SUBMARINE WARFARE (ASW)**

- Modular Towed Array System
- ASW helicopters
- Heavyweight torpedo system



**AMPHIBIOUS RAID**

- Tactical vehicles
- Force protection craft
- Fixed wing UAV
- Landing Craft



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**DAMEN**

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Member of the DAMEN SHIPYARDS GROUP



Glacisstraat 165  
4381 SE Vlissingen

P.O. Box 555  
4380 AN Vlissingen  
The Netherlands

phone +31 (0)118 48 50 00  
fax +31 (0)118 48 50 50

info@damennaval.com  
www.damennaval.com