



# DAMEN LIVE FISH CARRIER 4000

LFC 4000

## GENERAL

Functions	Vacuum loading, transport and pressure unloading of live salmon. On-board delousing of salmon
Classification	DNV-GL or equal * 1A1, EO

## DIMENSIONS

Length o.a.	80.00 m
Length b.p.p.	77.60 m
Beam mid.	18.60 m
Depth to the tween deck	7.80 m
Depth to the main deck	10.80 m
Draught (scantling)	8.00 m
Displacement	9000 ton

## TANK CAPACITIES

Fuel oil	300 m <sup>3</sup>
Fresh water (potable)	30 m <sup>3</sup>
Fresh water (technical)	300 m <sup>3</sup>
Ballast water	1400 m <sup>3</sup>

## FISH TANK CAPACITY

Fish tanks	4000 m <sup>3</sup>
Design pressure	0.4 / 1.8 bar

## PROPULSION SYSTEM

Propulsion system	Azipod or similar
Propulsion power	3500 kW
Bow azimuth thruster	Retractable azimuth/tunnel thruster
Bow azimuth thruster power	1000 kW

## ELECTRIC POWER SYSTEMS

Networks	230/440 V 60 Hz
Main generator sets	5x 1200 ekW / 1500 kVA
Emergency/harbour gen set	1x 600 ekW / 750 kVA

## FISH TANK LAYOUT

Two prismatic fish tanks of half ship length with centre pipe tunnel. Entrance directly from trunks positioned on both sides of the tanks. Longitudinally moving perforated bulkheads for crowding fish when pumping out.

## CRANES

One hose handling crane is placed at the forward end of the recess on starboard, close to the turning point of the hoses.  
Two net handling cranes are placed. One on the poop deck and one on the forecastle deck at starboard side.  
On the forecastle deck starboard a crane is placed in front of the bridge for handling the hatch and the CO<sub>2</sub> strippers.

## CARGO SYSTEMS

Fast loading, circulation and unloading of seawater. Load, store and unload live salmon in a gentle manner. Loading and unloading through 500 mm smooth hoses and pipes. Systems placed in the engine/pump room aft, the centre tunnel and the pump room forward.  
CO<sub>2</sub> strippers and drum-filters for treatment of seawater are situated on the poop- and forecastle deck.  
Equipment for handling live fish is mainly placed in the working wet area on tween deck and partly right above, on the main deck.  
No hatches, entrance of the tanks by means of trunks located on the forward and aft side of the fish tanks.

## RSW

Refrigerating system to cool down the (sea)water in the fish tanks. Two systems for each tank.

## TANK CLEANING

Permanently mounted nozzles on moving bulkheads and circulation channels.

## ACCOMMODATION

The wardrobe and laundry are the only accommodation spaces located on the tween deck. All cabins are one person each with own sanitary space. 12 cabins are located on the main deck and 4 officers cabins in the deck house. All other accommodation spaces are located on the main deck.

## LIFESAVING EQUIPMENT

MOB boat with davit on the forecastle deck on PS  
Life rafts on main deck one in front of SB recess and one aft of PS recess

## NAVIGATION EQUIPMENT

Navigation systems suitable for navigation in narrow and shallow waters

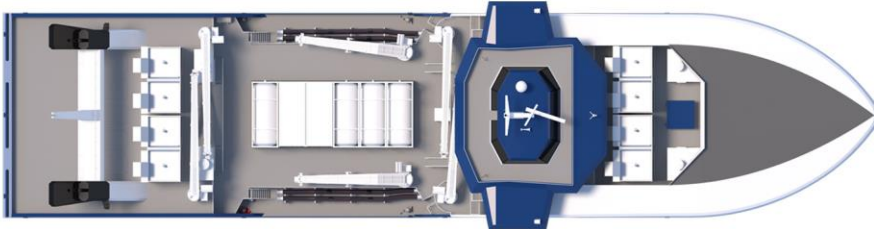
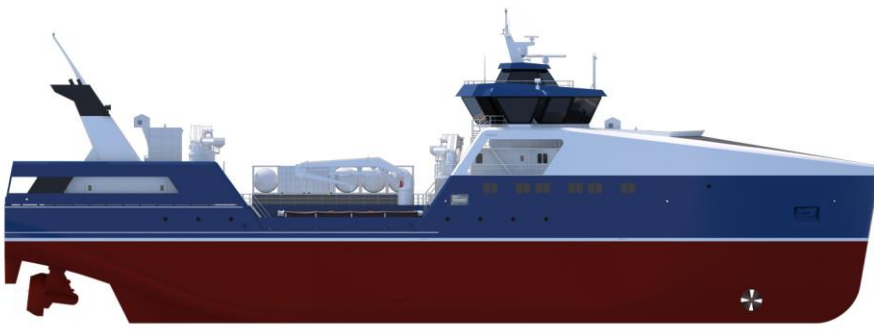
## COMMUNICATION EQUIPMENT

Communication systems according sea area A2

## OPTIONS

Dynamic Positioning for station keeping  
Two reverse osmosis water generators for extra water supply for delousing  
Battery pack instead of one of the diesel aggregates  
Mooring winches and capstans for cage handling  
Two dewatering boxes for dry vacuum loading in freshwater  
Extra hose handling crane at forward of recess portside  
Two extra net handling cranes at poop and forecastle deck portside  
VIP lounge on top of the wheelhouse

All data presented is preliminary and is subject to change without prior notice. Artist impressions and general arrangement plan may show optional equipment. Options may impact performances.



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## DAMEN

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