



BAKKAFOSSUR

HYBRID LIVE FISH CARRIER FOR TRANSPORT,
HARVESTING AND FRESH WATER TREATMENT
(DE-LOUSING & AMOEBIC GILL DISEASE)

This vessel was ordered by the Faroe Islands Salmon farmer Bakkafrost in 2020. It was built at Sefine Shipyard in Turkey and delivered in 2023. The hybrid live fish carrier is one of the world's largest wellboat to date.

The vessel is 109 metres long and 22.20 metres wide and is able to carry 1,000 tons of salmon in 4 cargo tanks of 7,000 m³ in total.

MAIN PARTICULARS

Length o.a.	109.00 m
Breadth	22.20 m
Depth, main deck	8.20 m
Draught max.	7.80 m
Class design notation	
DNV ∇ 1A BIS Clean (design) E0 NAUT (OC) TMON	
Recyclable Shore Power Battery (Safety)	
IMO number	9911915

CAPACITY

Cargo hold volume (Fish tanks 4 x 1,650 m ³)	7,000 m ³
Factory deck area	700 m ²
Fresh water (for treatment, washing and ballast)	~3,000 m ³
Tech. fresh water (potable)	~80 m ³
Fuel (marine diesel)	~400 m ³

MACHINERY & EQUIPMENT

Propulsion motor 2 x 2,000 kW	4,000 kW
Bow thrusters 2 x 1,000 kW	2,000 kW
Stern thrusters 2 x 1,000 kW	2,000 kW
Diesel electric	
Generator sets 5 x 1,400 kW	7,000 kW
High voltage shore connection	2,500 kVA
Battery package	700 kWh

ACCOMMODATION

Crew cabins	8 pcs
Officers cabins	4 pcs
Mess- & dayroom	95 m ²

SPEED

Service speed	11.00 kn
---------------	----------

FISH HANDLING

Loading - 2 x suction hoses - Ø600mm	~800 tons/h
2 x discharging through fish graders	~300 tons/h
4 x discharging pipes to cages - Ø500mm	~1,000 tons/h
1 x discharging pipes to shore - Ø400mm	~150 tons/h
Movable bulkheads	4 sets
Circulation pump capacity 12 x 3,300 m ³ /h	39,600 m ³ /h
Filter capacity 12 x 3,300 m ³ /h	39,600 m ³ /h
Reverse osmosis (FW generators)	6,000 m ³ /24h

SCOPE OF WORK

Owners Consultant
Concept Design
Tender Design
Contract Design
Basic Design
Drawing Approval
Onsite Supervision

WE DESIGN SHIPS We are a leading independent consultancy providing a comprehensive range of design, engineering and project management services to shipyards and ship owners around the world. Our innovative, customized solutions cover areas ranging from concept, tender/contract & basic design, to supporting the building and conversion process of all types of maritime vessels and offshore structures, to energy optimization and services for the offshore wind industry. Since 1937, over 800 vessels have been built and over 400 conversions carried out to our designs.

WWW.KNUDEHANSEN.COM