

Shrimp Trawler 2607

STOCK / STANDARD



PICTURE OF SIMILAR VESSEL

GENERAL

Project number
Basic functions

SHRTR2607

Demersal twin rig trawling with two or four nets, catching, processing, freezing and packing of the product, storage on board. Shrimps

Targeted species
Classification

Builders Certificate only. Strength and plate thicknesses of the hull and superstructure meet the Rule requirements of Bureau Veritas, for 100 A1.

DIMENSIONS

Length overall	26.45 m
Length waterline	24.90 m
Length between p.p.	23.95 m
Beam moulded	7.00 m
Depth at half-length	3.65 m
Design draught from base	2.75 m
Max. draught aft	3.45 m
Gross tonnage approx.	149 GT

TANK CAPACITIES

Fuel oil	97 m ³
Freshwater	30 m ³
Lubrication oil	0.8 m ³
Dirty oil	0.8 m ³

CARGO CAPACITIES

Fish hold	90 m ³
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PERFORMANCES

Bollard Pull	11.7 tons
Speed	9.5 kn
Endurance, sea days	60 days

PROPULSION SYSTEM

Main engine	1x 447 kW
Propeller diameter	1x 2300mm FPP in fixed nozzle
Rudder	1x Streamlined balanced type

AUXILIARY EQUIPMENT

Networks	400/230 V, 50 Hz
Generator sets	1x 60 ekW

DECK EQUIPMENT

Anchor	1x 227 kg
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FISHING EQUIPMENT

Shrimp trawl rigging	Bipod mast with two derricks
Trawl/try net/anchor winch	2x trawl drum 450m. Ø16mm. 1x try net/anchor drum 300m. Ø18mm. Pull-speed at 6 th (mid) layer: 6 tons-50m/min. Holding power: 9 tons.

PROCESSING

Covered processing area with direct access to the horizontal plate freezer

FREEZING

Horizontal plate freezer, 500 kg, 7 stations, product temperature +25°C/-22°C. Est. cycle time 206 min.

PACKAGING AND STORAGE

Fish hold storage facilities for carton boxes at a temperature of -20°C

ACCOMMODATION

Officers accommodation for 2 persons, accessible through the wheelhouse. Crew accommodation for 11 persons accessible from main deck. Each accommodation is fitted with a cabin, a galley/mess and a sanitary space.

NAUTICAL, COMMUNICATION, FISHFINDING EQUIPMENT

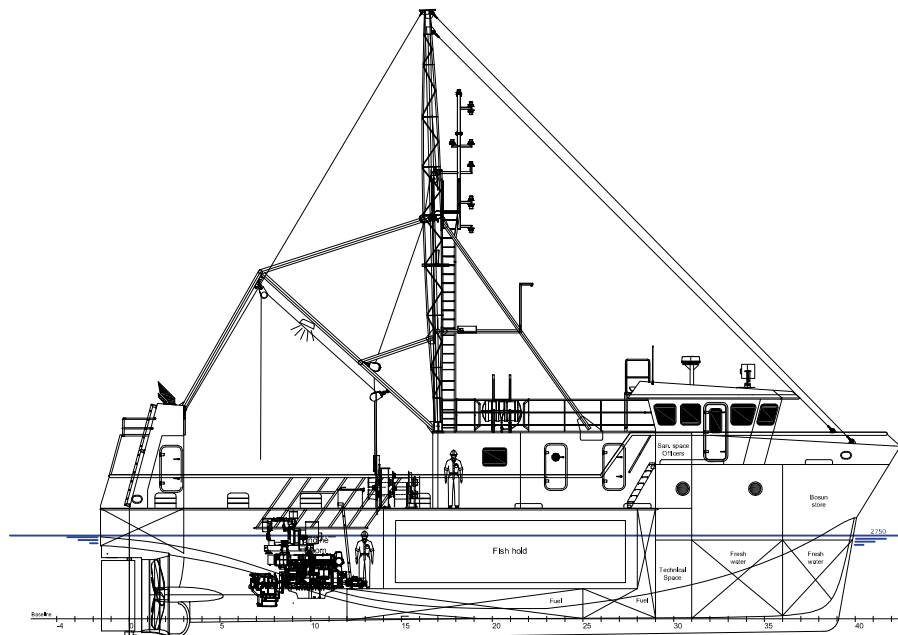
External communications	VHF radio telephone, VHF handheld transceivers, MF/HF transceiver, NAVTEX, AIS, EPIRB, SART
Internal communications	Intercom
Nautical systems	Radar, Electronic chart system, magnetic compass
Fishfinding systems	Colour fish finder
Meteorological	Barometer

Ø = Optional equipment

Excluded from delivery: All loose fishing gear such as nets, trawl doors, middle skate, wires and cables

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STOCK / STANDARD



TOP DECK
~7500 AB

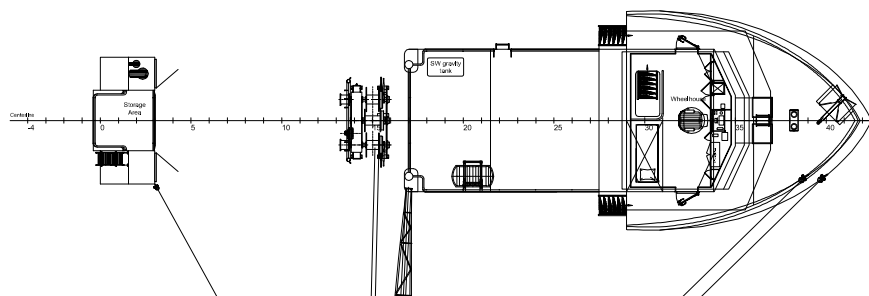
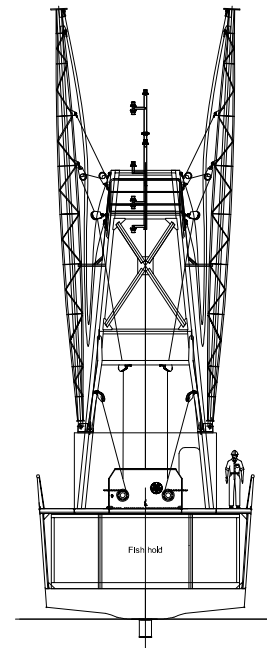
A-DECK
6150 AB

BRIDGE-DECK
5100 AB

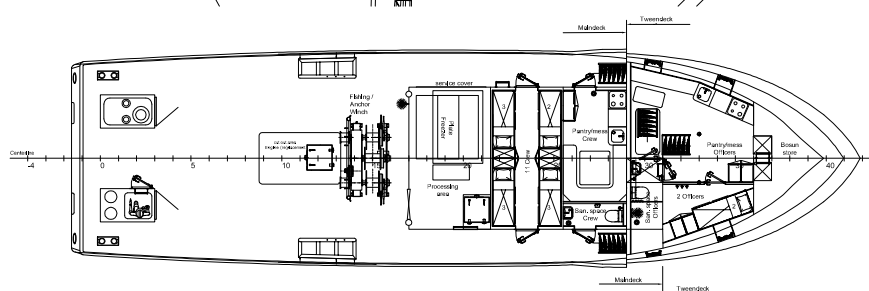
MAIN DECK
3650 AB

TWEEN DECK
2600 AB

TANK TOP
1000 AB

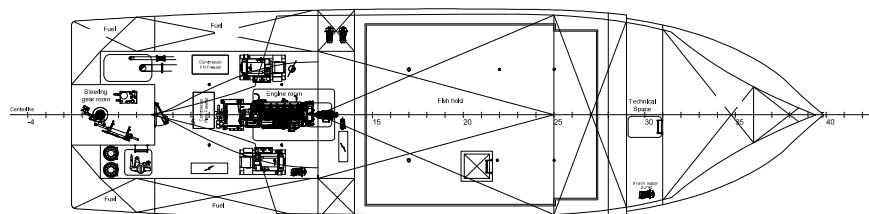


BRIDGE-DECK
5100 AB



TWEEN DECK
3650 AB

MAIN DECK
2600 AB



TANK TOP
1000 AB

DAMEN

Damen.com

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DAMEN

OCEANS OF POSSIBILITIES

Executive Summary Shrimp Trawler 2607

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OUR MISSION

Supporting the fishing industry with innovative and sustainable vessels for the harvesting of fish from the sea.

A decorative graphic on the left side of the text block, consisting of several horizontal rows of light blue wavy lines.

Fish has a vital role to play in feeding a growing global population. Our vessels support fishermen all over the world in catching seafood responsibly, with minimum impact on the environment and animal welfare in mind



SOLUTIONS

EFFICIENCY

RELIABILITY

LOGISTICS

COMFORT

Shrimp Trawler 2607

The Shrimp Trawler 2607 maintains the simplicity, and at the same time, improves the quality of the vessel, with focus on low fuel consumption. The processing area includes a plate freezer for 500 kg, seven stations with storage in the fish hold at -20°C. The living quarters include accommodation for two officers and separate crew accommodation.

90 m³

cubic metres
insulated fish hold

9.5

knots
max. speed*

11.7

tonnes
bollard pull*



DIMENSIONS

- Length 26.45 m
- Beam 7 m
- Draught max 3.45 m
- Gross tonnage 149 GT

PERFORMANCE

- Propulsion power 440-480 kW
- Service speed 9 kn
- Fuel oil 97 m³
- Fish hold 90 m³

EQUIPMENT

- Shrimp trawl winch with 2x trawl drum and 1x try net drum
- 6 tons @ 50 m/min
- Holding power 9 tons

DAMEN SOLUTIONS

Fuel efficient, reliable, easy to maintain

The Damen Shrimp Trawler 2607 is a brand-new design, developed as a simple basic standard vessel, to fish (sub)tropical shrimps. Safe and sturdy and easy in maintenance and serviceability. The focus is on low fuel consumption.

The lay-out of the newly designed Damen Maaskant Shrimper 2607 are as much as possible in line with the existing vessels. This improves the acceptance towards owners and skippers. Unnecessary changes are avoided.



DAMEN SOLUTIONS

Unique Selling Points



Clean rectangular
fish hold

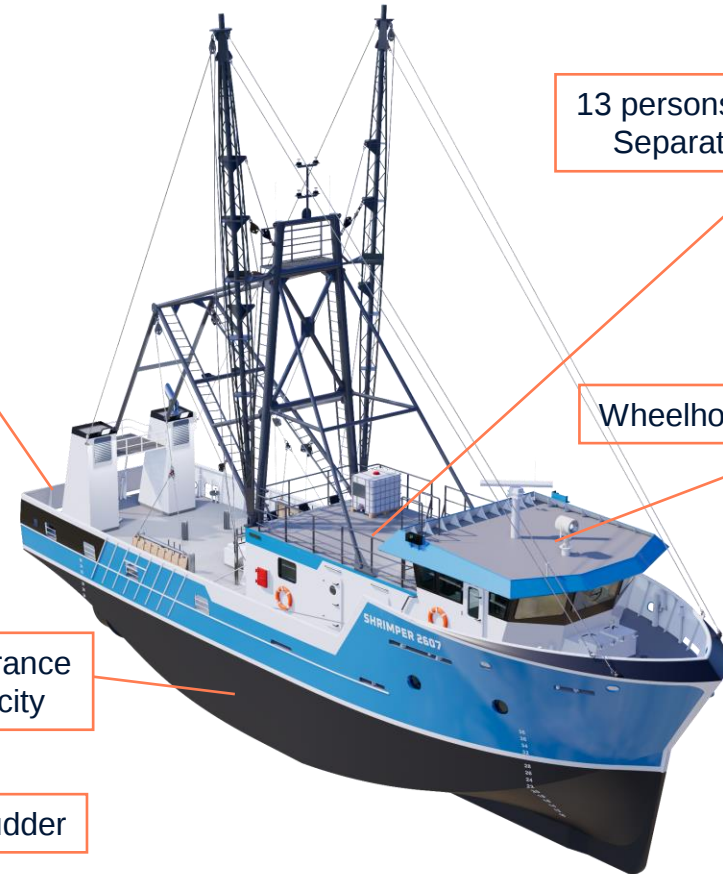
Optimised propeller
with high-catch nozzle

Covered
processing area

Low fuel
consumption

Long endurance
fuel capacity

Streamlined balanced rudder



13 persons accommodation
Separate crew-officers

Wheelhouse with proper view



SOLUTIONS

EFFICIENCY

RELIABILITY

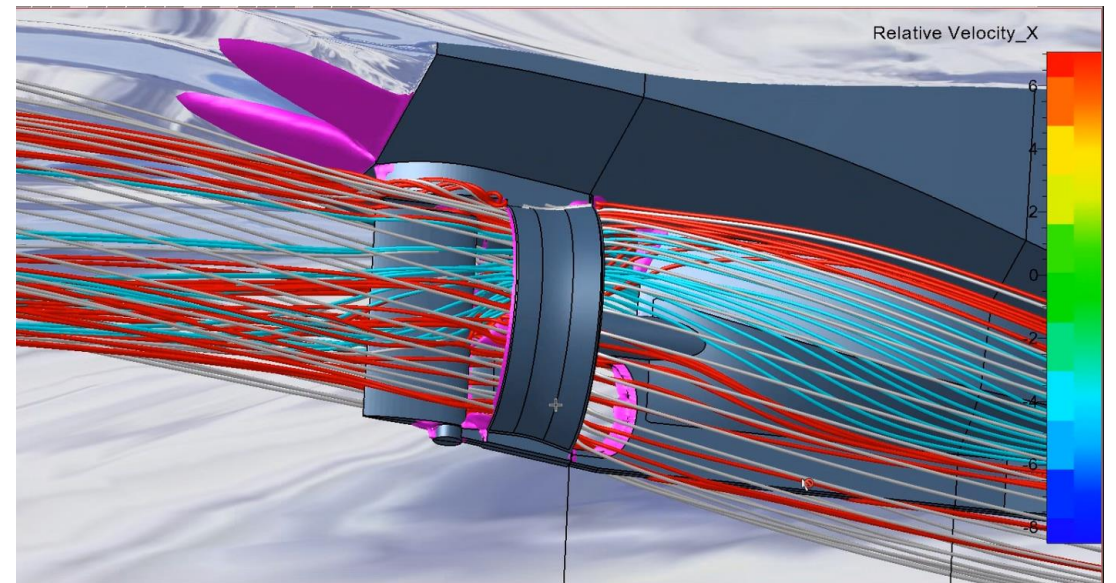
LOGISTICS

COMFORT

EFFICIENCY

Research and development

Before commencing with the design of the Shrimp Trawler 2607, Damen undertook thorough research of both the market and available knowledge. The result is a vessel combining computational fluid dynamics (CFD) with Damen's years of experience.



EFFICIENCY

Hull and propulsion

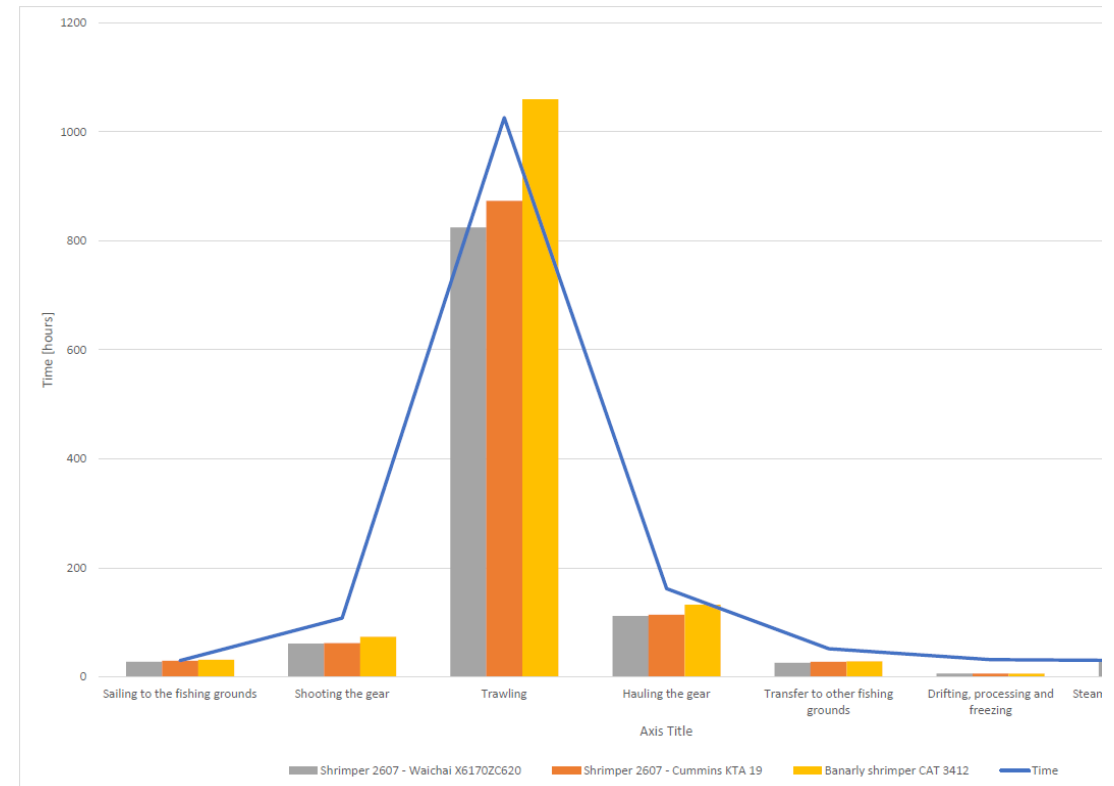
The result is a vessel ideally suited for the efficient fishing of (sub) tropical shrimp. With an optimised hull and propulsion, Damen has focused on reducing fuel consumption and emissions as much as possible.



EFFICIENCY

Low fuel consumption

During a fishing trip of 60 days, the vessel trawls for 70% of the time. During this phase 76% of the trips fuel consumption takes place. The most effective way to save fuel oil is achieved by optimizing the vessel for the trawling phase. For shrimp trawling, a speed of 2.5-3.0 kn is required. The free economic sailing speed is around 9.0 kn.





EFFICIENCY

Fuel consumption measurements

Operation	Consumption SHRTR 2607
Free sailing - Service Speed (9 knots) at 245 kW	62 (L/h)*
Fishing at a speed of 2.5 kn, 6 tons pull and 270 kW	66 (L/h)*



* The values of fuel consumption, speed, pull and used propulsion power stated are based on the average results of the measurements during the sea trials. No rights can be derived from the values:



SOLUTIONS

EFFICIENCY

RELIABILITY

LOGISTICS

COMFORT

RELIABILITY

The heart of the vessel

The engine room is positioned aft of the fish hold, thus shortening the propulsion line, without the shaft having to pass underneath the fish hold.



RELIABILITY

Maintenance friendly

All engine room equipment is easy accessible. A proper overview of systems and appendages enables accurate monitoring and control.



RELIABILITY

Quality

Simple and sturdy constructions based on the experience of Damen fishing vessels. Easy to maintain.



RELIABILITY

Fishing equipment

Proper accessibility of blocks, fishing gear, -rigging and navigational aids.



RELIABILITY

Fishing equipment

The shrimp trawl winch, located behind the deckhouse. Simple winch concept of proven principle. On starboard side the entrance to the processing area is visible with direct access to the horizontal plate freezer, the fish hold below.



RELIABILITY

Maintenance friendly

Technical space in the fore ship, under the accommodation with access to the various tanks for periodical maintenance in port.





SOLUTIONS

EFFICIENCY

RELIABILITY

LOGISTICS

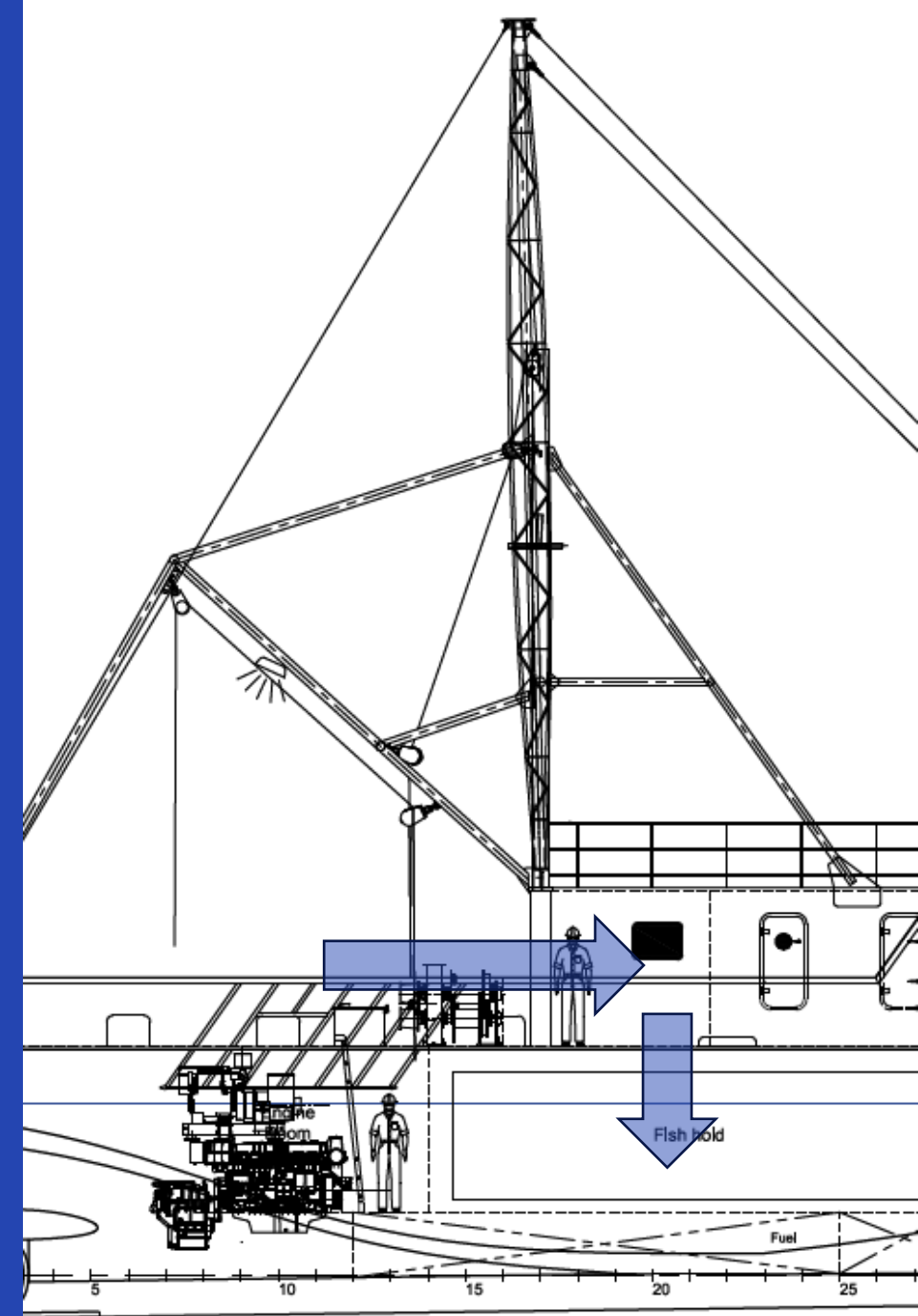
COMFORT

QUALITY AND EFFICIENCY

Logistics and storage

Processing and freezing of the shrimps is in the aft side of the deckhouse, directly above the entrance of the fish hold, for better logistics. On the existing vessels the plate freezer is located on the aft side of the working deck.

The fish hold is located under the deckhouse with a positive influence on trim of the vessel in different loading conditions.



LOGISTICS

Processing area

Processing and freezing of the shrimps takes place in a sheltered area in the aft of het deckhouse, directly above the entrance of the fish hold. Here the catch is protected from sunlight and heat.





LOGISTICS

Fish hold

The fish hold is located in the centre of the vessel, there where the volume is the largest and a rectangular hold can be created. This results in the best stowage capacity related to the volume with the least fluctuations in vessel's trim.

The hold has a volume of 90 m³ and takes 900 cartons of 18 kg shrimp, simultaneously with 1340 bags of 20 kg fish. Storage temperature is -20°C.

LOGISTICS

Large work deck





SOLUTIONS

EFFICIENCY

RELIABILITY

LOGISTICS

COMFORT



COMFORT

Wheelhouse

The spacious wheelhouse offers a wide view all around and is provided with a clear view screen in front of the steering wheel. The equipment comprises the following:

- A searchlight mounted on the top deck and controlled from the wheelhouse
- A horn operated by a push button
- A multi-functional display with a:
 - Marine radar equipment
 - GPS chart plotter
- Furthermore a magnetic compass, a colour fish finder, a VHF transceiver, a handheld GMDSS, AIS, EPIRB, SART and a barometer are provided.



COMFORT

Officer's pantry/mess

The officer's spaces accommodate two persons.

The officer's pantry/mess is fitted with a Formica covered table with upholstered seat with stowage inside, and a pantry equipped with an electric four-burner stove and a single basin stainless steel sink.





COMFORT

Officer's cabin

The officer's cabin is fitted with two bunks and two storage lockers. Entrance of the cabin is from the officer's pantry/mess. The bunks are provided with comfortable mattresses and personal gear can be stored in lockers.



COMFORT

Crew Cabin

The crew cabin is provided with eleven bunks and storage lockers. The space is accessible from the outside, on SB and PS deck. The bunks are provided with comfortable mattresses.





COMFORT

Crew pantry/mess

The crew pantry/mess is provided with a four-burner electric countertop stove and a single basin stainless steel sink. The mess space is arranged with a Formica covered table with upholstered seat with stowage inside.



DAMEN

