

Basic data

Vessel's type	Freezer trawler
Built	1996 г. (Germany)
Class. society	DNV (ex. RMRS)
Ice class	Ice 1B

The main engine was totally overhauled with new crankshaft, new liners, pistons, etc. in 2013., vessel complete painted in 2015, shaft generator renewed/classed w/ new clutch and bearings 2016, ME overhaul in 2017, propeller blades overhaul in 2022.



General characteristics

LOA	40,8 m
Beam	11,00 m
Depth	7,25 m
Draft	5,2 m
Tonnage (GT / NT)	837 / 262
Deadweight	400 tn
Speed	12,0 kn
Accommodation	21 men
Endurance	- days

Accommodations for 21 persons in 9 cabins, new stove, new walk-in freezer, new flooring, wheelhouse upgrades, 2 x meter head room in cabins, washer & dryer, ceilings height increased, etc.

Engine room

Main engine	MAN B&W 12V23/30A / 2.610 h.p. / 1.920 kWt @ 900 rpm *
Propeller	Propeller in nozzle, Ø 3100 mm. / 4 blades (overhauled in 2022)
Auxiliary engine	2 x Deutz TBD 616 V12 – 562 kWt @ rpm
Generator	-
Reduction gear	-
Shaft generator	EXISTS
Bollard pull	approx. 16 tn. @ 5 knots
Fuel separator	-
Oil separator	new installed in 2015
Bilge pump	2 new units installed in engine room in 2015

* - The main engine was totally overhauled with new crankshaft, new liners, pistons, etc. in 2013. New frequency converter in 2013 in order for the man engine to run on lower rpm which is expected to reduce fuel with abt. 10-15%. Overhauled in 10.2017. Consumption/trawling MGO 6,1 ts/day. Steaming full/slow power is abt. 6.1 / 4 ts/day.

Fishing and deck equipment

Trawling doors	9m. Tyborn and set of 7m. doors
Wire winch	Rapp Hydema AS, 2 x 27 tns. Hydraulic, wire 3.000m. @ Ø 26mm.
Net drim	Rapp Hydema installed

Outhaul winch	2,7tn. @ 100m./min.
Sweep line winch	4 x 9,2tn. @ 45m./min.
Wire	New wire (1000 fathom each side) added
Cod end winch	6,5tn. @ 50m./min.
Cable winch	-
Gilson winch	2 x 25 tns. installed new behind the wheelhouse
Windlass	4 tn., anchor HHP 1.425kg., chain NVK 2, Ø 30mm., total length 49,2m.
Deck crane	Palfinger Marine, PKM 360, SWL 3,0 tn. @ 12m.
Trawl	Midwater Swan Nets (used 2 years) – 2 units, one bottom trawl Western totally rebuilt

Fish factory

Heading/gutting machine	Toki heading & gutting, 70 fish per minute
Heading/gutting machine	616 Toyo heading & gutting, 110 fish per minute
Vacuum machine	system for guts attached to both machines
Heading/gutting machine	Baader 444S
Heading machine	Baader 33 round-cut heading
Sealing machine	-
Strapping machine	2 units
Forklift	3 forklifts for discharge

Freezing equipment

Freezer	4 x vertical plate freezers x 26 sections, 2 block, block size 530x530x100mm.
Compressor	120 Sabroe added (Stand alone ammonia compressor which makes 4 compressors total), freezing cap. abt. 60tns/24hrs.; 2 x generators for the freezer system new in 2014 - 2015., changed hoses and valves in 2014.
Coolant	ammonia

System for cooling seawater for receiving bin, sorting bin, and washing bin installed for better fish quality. Pipes in stainless steel from cooling device directly to receiving bin, sorting bin, and washing bin. Additional 4th receiving bin installed at factory, stainless steel, rsw-cooling.

Productive capacity

Frozen fish	32-40 tns/24 hrs.
Frozen subproducts	-

Capacities

Cargo hold (up to -28°C)	426 m ³
Oil tank	4,3 m ³
Fuel tank	180 m ³
Fresh water tank	19,5 m ³

Electronics

Great list of fishery and navigation equipment upgraded/replaced

