FACTORY TRAWLER 105

GENERAL
Basic functions: Stern trawler for pelagic and semi-pelagic, on board processing, freezing and packing, on board storage of fish products.
Classification: RMRS, KM, Fishing Vessel, Ice3, AUT2, (REF), BWM(T), Fishing Vessel

DIMENSIONS
Length o.a.: 105.10 m
Length b.p.p.: 99.83 m
Beam mid.: 20.30 m
Depth to main deck: 8.50 m
Depth to trawl deck: 12.20 m
Depth to A-deck: 15.00 m
Depth to B-deck: 17.80 m
Deadweight: 4100 ton

TANK CAPACITIES (service)
HFO: 1200 m³
MDO: 200 m³
Technical water: 120 m³
Lubrication oil: 45 m³
Sewage: 80 m³

HOLD/TANK CAPACITY (cargo)
RSW receiving bins: 350 m³
Lower freezer hold: 2100 m³
Upper freezer hold: 2200 m³
Fish meal hold: 750 m³
Fish oil: 80 m³

PERFORMANCES
Speed, max.: 15 kn
Bollard pull max: 90 tons
Endurance: 45 days

PROPULSION SYSTEM
Propulsion power: 6000 kW at 750 rpm
Gearbox: Reduction, with PTO
Propeller: 4500 mm CPP in a nozzle
Rudder: Flap type
Bow thruster: 1800 mm CPP 900 kW

AUXILIARY EQUIPMENT
Networks: 690/400/230 V 50 Hz
Shaft generator: 1x 3000 ekW / 3750 kVA
Main generator sets: 2x 1500 ekW / 1875 kVA
Emergency generator set: 1x 180 ekW / 2225 kVA

DECK EQUIPMENT
Anchor windlass: For 2x stockless anchor
Double derricks aft: 1x 5 tons
Double derricks fore: 1x 5 tons
Deck crane aft: 1x 5 tons SWL at 14 m

FISHING EQUIPMENT
Stern gantry: Monopod
Split trawl winches: 2x 60 tons @ 50 m/min, 3500 m/34mm
Net drum winches: 1x 30 m³, 10 tons @ 45 m/min
Glisson winches: 2x 25 tons @ 25 m/min
Cod end winches: 2x 12 tons @ 35 m/min
Outhaul winches: 2x 12 tons @ 35 m/min
Auxiliary winches: 2x 2 tons @ 40 m/min
Net sounding winch: 1x 4 tons @70 m/min
Auto-trawl system: 1x

PROCESSING (e.g.)
Processing area approx. 1170 m². Maximum input 500 tons/day of Pollock. Four processing lines for Pollock, Herring, Mackerel, Squid. Pacific Sardines are processed on the same lines.

FREEZING (e.g.)
Horizontal plate freezers, total capacity 200 tons/22hours of Pollock (H&G) to a core temperature of at -25°C. Cooling by means of direct expansion of NH3

FISHMEAL PLANT (e.g.) @ option
A fish meal plant with a capacity of approx. 200 ton raw material per day.

PRODUCTS (e.g.)
Pollock: H&G, fillet, roe, liver, fish mince, fish meal, fish oil
Herring: Whole, H&G, butterfly fillet, roe, fish mince, fish meal, fish oil
Squid: tube & tentacles, fish meal

ACCOMMODATION
A comfortable air-conditioned accommodation for up to 125 persons. It includes a large wheelhouse with technical space, ship’s office, leisure spaces and various stores and workshops, all in accordance with Russian sanitary rules.

NAV-NAUT, COMMUNICATION AND FISH FINDING EQUIPMENT
External communication system according to Northern Sea Areas A3. Internal communication systems, navigation systems and fish finding systems suitable for pelagic and semi-pelagic in moderate to cold areas.

OPTIONS (e.g.)
Several options are possible, such as diesel-electric propulsion, hydraulic deck cranes for (un)loading, fish pump, canning plant, ice gallow, upgrading freeze cap. to 300/12hrs, etc.

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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