



Globox Marine Engineering

PROJECT GM 5.01

CRAB CATCHING VESSEL 55,10 M



OPERATING CHARACTERISTICS

Type of the vessel	Crab catching vessel
Purpose	Carrying out and conducting the fishery for all types of crab using cone traps by hauling on board in the seas of the Far Eastern basin, followed by sorting, reloading into lattice baskets and transporting live crab in special isolated tanks with chilled sea water (RSW tanks).
Fishing objects	All types of crab
Operating areas	Navigation area and work are not limited
Special conditions in areas of operation	Water temperature: -3°C to +25°C Air temperature: -25°C to +34°C Humidity: 70-80%
Maximum distance to the fishing area	In accordance to vessel's endurance
Class	KM® Ice2 (hull; power) AUTI Fishing vessel

MAIN DIMENSIONS

LOA	55,10 m
Length between perpendiculars	49,20 m
Breadth	13,20 m
Estimated draft to the main line	6,20 m
Number of decks	4
Frame spacing	0,6 m

CAPACITIES

Max light displacement	2300 t
Deadweight	532 t
Cargo space volumes	540 m ³
Cargo capacity	160 m ³
Endurance	40 days
Fuel (MGO)	300 m ³
Fresh water	28 m ³
Number of crew members	21 persons

NAVIGATION EQUIPMENT

Complete set of modern radio navigation equipment

POWER PLANT AND PROPULSION

Power plant scheme	ME + SG + AE + EMDG + Harbour
Main engine	1935 kW
Shaftgenerator	1000 kW
Auxiliary engine	950 kW
Emergency diesel-generator	120 kW
Harbour diesel-generator	250 kW
CPP	ø 3100 mm
Max speed	14 knots

DECK AND FISHING EQUIPMENT

Hydraulic out-hauling machine	12 t
Hydraulic ridge winch	10 t
Hydraulic line stacker	0,5 t
Malgoger with tilt angle	
Boom for trap lifting	
Hydraulic bait grinder	
Electric rope conveyor for moving traps	
Deck crane (x2)	2-5 t

STORAGE OF THE CATCH

The productivity of one refrigeration unit allows to cool water in all RSW tanks (≈ 540 m³) from 20°C to 0°C within ≈ 24 hours