

# Crab Catcher 5712 Live Storage



## PICTURE OF SIMILAR VESSEL

### GENERAL

Basic functions	Crab fishing with conical pots, on-board storage in conditioned water tanks
Classification	RMRS KM ⚓, Ice2 (hull, machinery), AUT3 (REF) Fishing Vessel
Flag	Russian

### DIMENSIONS

Length overall	57.67	m
Length b.p.p.	55.37	m
Beam moulded	12.60	m
Depth moulded	7.50	m
Draught	4.60	m
Deadweight	175	t
Draft (swing thrusters down)	4.90	m
Deadweight		t
Cargo deck area		m <sup>2</sup>

### TANK CAPACITIES

Fuel oil (service)		m <sup>3</sup>
Potable water (service)		m <sup>3</sup>
Sewage		m <sup>3</sup>
Lubrication oil		m <sup>3</sup>

### FISH HOLD CAPACITIES

RSW tanks volume (9)		m <sup>3</sup>
Max Crab storage capacity (190kg/m <sup>3</sup> )		t

### PERFORMANCES

Speed	>12.0	kn
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### PROPULSION SYSTEM

Main engine	1x Yanmar 6EY26W
Propulsion Power	1620kW @ 750 rpm
Gearboxes	Reintjes LAF 1943P
Propeller	Ø2,800mm CPP
Bow thrusters	400 kW, CPP

### ELECTRICAL SYSTEM

Network	230/400 V 50 Hz
Main generator sets	2 x 650ekW/813kVA
Shaft generator	1 x PTO/PTI 650ekW
Emergency generator set	1 x 82ekW/103kVA

### DECK EQUIPMENT

Anchor system	2x HHP anchor 1300 kg with electric-hydraulic winch
Deck crane	1x Knuckle boom; 3.5t @ 18.0m

### FISHING EQUIPMENT

A pot hauling station is located at SB side, just aft of the deck house. Pots are hauled in with the help of a hydraulic line hauler system and emptied on a sorting table with a release gutter for female and juvenile crabs. The catch is directed via a weighing table and a movable roller conveyor into stainless steel cages, which are stored fully submerged in 9 refrigerated sea water storage tanks. Empty pots are transported to the aft deck where they are stacked and the lines are guided to a line bin at PS of the work deck aft.

Near the bait store a hydraulic bait crusher is installed

### WATER TREATMENT

RSW system layout	3x Chiller/condenser units, each with 50% of total cooling capacity.
RSW pumps	3x 250m <sup>3</sup> /hr @ 2.5 bar (+2°C max, 0°C min)
Bait freezer pump	1x 15m <sup>3</sup> /hr @ 2.0 bar (-18°C)
Air injection system	3x 390m <sup>3</sup> /hr @ 1.7 bar
UV sterilizing system	2x 80m <sup>3</sup> /hr, single pass
Deep water filling	1x 100m <sup>3</sup> /hr pump & 200m hose
Refrigerant	Ammonia

### ACCOMMODATION

The vessel is equipped with a spacious, SOLAS compliant, fully air conditioned deckhouse accommodating 24 persons. It includes cabins, service spaces, changing rooms, treatment room and a sauna. Also numerous storage spaces and lockers can be found throughout the whole vessel.

### NAUTICAL AND COMMUNICATION EQUIPMENT – According GMDSS A3

Radar system	2x X-band Furuno FAR 2228-BB
Fish finding sounder	1x Furuno FCV-295
GMDSS	Area 3
Electronic Chart system	MAXSEA Chart Plotter
Camera system	CCTV
Remote monitoring	Damen Triton

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