

# Canada 12.8m FRP Fishing Ship Technical Standard

## **Summarization:**

This is a FRP fishing ship with single layer bottom, single deck, one main engine and one propeller. The wheelhouse is in the middle-forepart. It is motivated by fixed propeller. This ship works on Norwegian coastal water and is mainly based on gillnet fishing.

## **General**

### **2.1 vessel particulars**

LOA:	12.8m
Beam:	5.48m
Depth:	2.59m
Draft:	2.13m

### **2.2 Capacity:**

Fish Hold:	3.65×4.72×2.7(m)	(Including the heat-retaining layer)
Fuel tank:	3000 L	(2×1500L)
Fresh Water Hold:	200 gallon	(800L)
Hydraulic oil tank:	400L	

### **2.3 Speed** 9kn

### **2.4 Passenger:** 5 persons

### **2.5 Holding force:** --

## **General Arrangement:**

1. The hull is divided into engine room, fish hold, and accommodation three parts. The crew cabin is under the wheelhouse. Behind wheelhouse is the galley house and toilet. (Details is supplied by the general arrangement drawing)

2. The hull is male mold and its surface is smeared with 1 FRP. The FRP panel is smeared with 3 layers of 450g/m<sup>2</sup> matt. Outside the boat is smeared with 5 layers of 450g/m<sup>2</sup> matt and 3 layers of 800g/m<sup>2</sup> woven. The keel and foundation should be smeared with 8 layers of matt and woven. The structure frame is smeared 3 layers of matt and 1 layer of woven.

### **3. Fitting-out**

#### **3.1 Anchoring and moor equipment**

The anchor is included in the quote.

4 anchoring piles, 1 towage pile, 2×Φ16×20m mooring rope should be fitted.

#### **3.2 Life saving and fire equipment**

1 × buoy quoit

- 4 × life jacket
- 1 × life raft (4p)
- 1 × fire hydrant
- 1 × fire nozzle 10m fire hose
- 2 × fire bucket
- 1 × fire axe
- 2 × 4kg dry powder fire extinguisher

### **3.3 Wheelhouses**

All the windows of wheelhouse are fixed. One door for wheelhouse and one door for galley.

**3.4** The wheelhouse and crew cabin should be decorated in a medium-top quality, There are close stool and shower head in the toilet and 4-hole stove ,1 sink,1 fridge should be equipped in galley house, The vessel is also equipped with one TV and one DVD, propane heater, close circuit TV.

### **3.5**

- 1 × steering pole
- 1 × top and bottom steering bearing
- 1 × steering blade
- 1 × rudder carrier
- 1 × steering column
- 1 × autopilot

**3.6** Staircase, armrest and railing should be made of 321# stainless steel.

## **4. Engine room equipment**

4.1 The main engine should be made in Daewoo South Korea. (315ps, 2300r/min), long-range control, double control, alarming system

4.2 The gear case should be made in Daewoo South Korea and the speed ratio is about 3:1

4.3 Bilge pump is the style of CWZ, DN 40, one fire pump.

4.4 The front shaft is equipped with B shape pulley( two shafts belt or three shafts belt), The propellant screw shaft is the material of 321# stainless steel.

4.5 Resin bearing adopts the method of water lubrication. The propeller adopts the material of Cu4 and has four blades.

4.6 Sea cock, sea water pipe, oil pipe and sewage pipe adopts 321# stainless steel. Hydraulic pipe chooses seamless steel tubes. The valve is bronze.

4.7 Fuel tanks are made of ordinary panel.

## **5. Electrics and Cables**

5.1 The boat is DC and AC two powers. It adopts 9.4kw AC generator set. DC and AC two sources

provide power separately.

5.2 Electrics: Two main distribution boards, one for AC, One for DC. One low voltage charging and discharging panel, one wheelhouse control board, two distributor boxes.

There are totally 5 pieces of 195 type accumulators, Two pieces are used to drive main engine, two are prepared for facilities and lightings, one is for emergency use.

5.3 5 signal lights, 4 navigation lights, 4 lightings, 1 emergency light, 1 searching light, a shore electricity box, a divided electricity box of ship light, all of these are set according to criterion.

5.4 Cables adopts the style of CEF 80/DA.

5.5 The lightings are installed according to the general arrangement.

