


Rev. date : Jan. 2015	<b>TECHNICAL SPECIFICATION</b>		
	<b>ITEM : LIFEBOAT</b>	<b>MODEL : HDFN25T</b>	

## INDEX

1. Rules and Regulations
2. Certification
3. Dimensions-Overall
4. Engine
5. Electric system
6. MATERIALS
7. DRAWINGS

### **1. Rules and Regulations**

This free-fall lifeboat has been designed and approved in accordance with ;

- a. SOLAS 1974 with protocol 1978 and amendments up to 2010
- b. Resolution MSC.81(70) with amendments up to 2010
- c. LSA Code adopted by Resolution MSC.48(66) with amendmensts up to 2010

### **2. Certification**

This lifeboat has been tested in accordance with IMO Resolution MSC.81(70), Part 1 and MSC/Circ.980 and approved by notified body. The boat is provided with EC TYPE EXAMINATION (MODULE B) CERTIFICATE and EC (MODULE D) CERTIFICATE OF CONFORMITY.

Rev. date : Jan. 2015	<b>TECHNICAL SPECIFICATION</b>		
	<b>ITEM : LIFEBOAT</b>	<b>MODEL : HDFN25T</b>	

### 3. Dimensions-Overall

- a. Max. capacity ----- 25 persons
- b. Min. speed ----- 6 knots
- c. Outside color ----- Orange
- d. Dimension
  - Length ----- 7.95m
  - Breadth ----- 3.07m
  - Depth ----- 1.55m
  - Height ----- 3.19m
- e. Weight
  - Light load with fuel and equipment ----- 4,585 Kg
  - Total load(35 persons) ----- 6,648 Kg
- f. Max. launching height ----- 25.7m

### 4. Engine

- a. Model ----- HB29D1
- b. Power / Output (kW(HP)/rpm ) ----- 21.6(29) / 2800
- c. Type ----- Vertical, water-cooled 4 cycle diesel engine
- d. Working principle ----- 4 stroke
- e. Number of cylinder ----- 3
- f. Bore and stroke (Ø x mm ) ----- 80 x 92.4
- g. Combustion chamber ----- Spherical type
- h. Compression ratio ----- 22:1

### 5. Electric system

Two batteries are provided for engine starting, searchlight, and interior light and so on. Two battery chargers for each battery are also provided for recharging lifeboat batteries from the ship's power supply at a supply voltage 24V which can be disconnected at the lifeboat embarkation station. (In case the electric jacket heater is used for engine, the supply voltage from the ship's power is 42V.)

Rev. date : Jan. 2015	<b>TECHNICAL SPECIFICATION</b>		
	<b>ITEM : LIFEBOAT</b>	<b>MODEL : HDFN25T</b>	

## 6. MATERIALS

- a. Hull and Deck ----- FRP(Fiber glass reinforced plastic)
- b. Buoyancy material ----- Polyurethane foam
- c. Fittings
  - Hatch hinge ----- ALUMINUM ALLOY
  - Hatch handle ----- SUS304
  - Window ----- POLYCARBONATE
  - Side handrail ----- SUS304
  - Water spray pipe ----- NOT SUPPLY
  - Nozzle and sprinkler ----- NOT SUPPLY
  - Rudder ----- SUS304
  - Shore piece for rudder ----- GALVANIZED STEEL
  - Propeller ----- ALUMINUM ALLOY
  - Lifeline ----- SUS304
  - Lashing eye ----- GALVANIZED STEEL
  - Towing eye ----- GALVANIZED STEEL
  - Lifting eye ----- GALVANIZED STEEL
  - Sliding rail ----- GALVANIZED STEEL
  - Bolts & nuts ----- SUS304

Rev. date :  
Jan. 2015

# TECHNICAL SPECIFICATION



ITEM : LIFEBOAT

MODEL : HDFN25T

## 7. DRAWINGS

