
**SPECIFICATION FOR
270'X 80'X16'DECK CARGO BARGE**

DECK LOADING: 7T/M2

HULL NO.:

DRAWING NO.: G-100-01SPEC

Rev. 1

26,04,2013

1. GENERAL DESCRIPTOIN

The vessel is an unmanned dump barge suitably equipped for carrying deck cargo for unrestricted services. The barge is all welded steel construction .It has flush deck and twin skegs. The main hull is divided by 7 transverse W.T. bulkheads and 3 longitudinal Bulkheads into 30 compartments.

2. PRINCIPAL PARTICULARS:

Length O.A.	:	270'
Breadth MLD	:	80'
Depth MLD	:	16'
Deck loading	:	7T/M ²

3. CLASSIFICATION

The vessel is designed suitable for registration as a cargo barge and constructed In accordance with the latest rules and regulations of ABS for unrestricted services. Class Notation: + A1 BARGE

4. MATERIAL & WORKMANSHIP

All material & workmanship will be of the highest quality, with all steel plates, sections, hull forgings and castings met with ABS Classification requirements and approval.

5. WELDING

The vessel will be welded constructed. Welding is to be carried out in accordance with the Classification's requirements and to the attending surveyor's satisfaction.

6. TEST

Prior to the delivery, the hull and other fittings etc. to be thoroughly tested to the satisfaction of the Classification's attending surveyor.

7. STABILITY BOOKLET

The stability booklet is to be prepared and supplied by the builder based on the estimated lightship weight or the results from lightship Survey if when required by the Classification.

8. SCANTLINGS:

Deck plate	12mm
Bottom plate	12mm

Side shell	12mm
Transom (Fwd)	12mm
Transom (Aft)	12mm
Longitudinal BHD	8mm
Transverse BHD	8mm
Skeg	12mm
Bulwark	8mm
Deck longitudinal	L125X75X8
Bottom longitudinal	L125X75X9
	L125X75X9 (Fr35~Fr45)
Side longitudinal	L125X75X8
	L125X75X9 (Fr35~Fr45)
Long. BHD longitudinal	L125X75X7
Transverse stiffener	L125X75X7
Deck transverse	L450X10/100
Deck girder	L450X9/100
Bottom transverse	L400X9/100
Bottom girder	L400X9/100
Side web frame	L400X9/100
Long. BHD web	L400X8/100
Side stringer(short)	L400X8/100

Stanchion	FLG250X250X9.5
Diagonals	FLG150X150X9.5/FLG200X200X9.5
Bilges chine	Φ38 round bar

9. OUTFITTINGS

1).Sideboard:

L x B x H	75.03×21.96×3.0M
Plate	8mm
Longitudinal	L100X75X7/L125X75X9
Stays	H150x150x31.9Kg/m

2).Mooring bollards:

Mooring bollards of 10" N.B. Heavy Duty Pipe are fitted on main deck as shown on drawing.

3).Manholes

Flush type watertight manholes of 600x400 on main deck are to be provided for every Compartment. Studs, washer and nuts are to be stainless steel.

4). Four (4) 20T SWL Smite towing brackets are fitted on main deck Fwd & Aft (P&S).

5) Anchor winch

One unit of 5T hand winch to be fitted onboard.

Anchor Wire Rope

150m x 28mm dia. Anchor wire rope to be supplied and installed.

Anchor

One unit of 1750Kg stockless bower anchor stowed on anchor rack.

6) Fender:

Suitable numbers of tyres c/w 20mm dia. galvanized chain, plastic cover and shackles are to be provided.

7).One set of navigation lights. Include p & s lights and aft light.

8).Tyre Fender: Approx forty (40) pieces of old tire fenders. Galvanised chain and shackle are to be provided.

9). Flange doubles: flange doubles of size L380X100X8 should be installed along the main deck edge.

10. PAINTING OF OUTSIDE.

All steel plates of hull (out of bottom/side/deck plates) and all steel materials of sideboard are to be sand blasted.

All part of steel materials are to be cleaned to as a high standard as possible in order to remove all the dust prior to painting with marine primer. All steel surfaces are to be free from grease and free from moisture before priming coats are applied. All coats are to thoroughly dry before further coats are applied on top.

11. CATHODIC PROTECTION

Forty (40) zinc anodes (15kg/pc) are to be fitted to protect the external hull below the waterline against corrosion.