
**SPECIFICATION FOR
250x80x16FT DECK CARGO BARGE
DECK LOADING: 7T/M²
HULL NO.: JSFT2013-20/21/22/23/24/25
DRAWING NO.: G-100-01SPEC**

Rev. 2

30, 03, 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 29 compartments.

2. PRINCIPAL PARTICULARS:

Length O.A.	:	250'
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
Bulwark	8mm
Deck longitudinal	L125X75X7
Bottom longitudinal	L125X75X9
Side longitudinal	L125X75X7
Long. BHD longitudinal	L125X75X7
Transverse stiffener	L125X75X7
Deck transverse	L450X9.5/100
Deck girder	L450X9.5/100
Bottom transverse	L450X9/100
Bottom girder	L450X9/100
Side web frame	L450X9/100
Long. BHD web	L450X9/100
Side stringer(short)	L450X9/100
Stanchion	L250X250X9.5
Diagonals	L200X200X9.5/ L150X150X9.5
Bilges chine	Φ38 round bar

9. OUTFITTINGS

1).Sideboard:

L x B x H	68.32×22.876×3.0M
Plate	8mm
Longitudinal	L100X75X7/L150X90X9
Stays	H150x150x7/10

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 630x430 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 10T diesel engine driven winch to be installed on the bow deck in winch house.

Anchor steel wire

Φ28mm, 4 x 27.5m, U2 anchor chain to be provided and stowed in chain locker.

Anchor

One unit of 1440Kg stockless bower anchor to be stowed in anchor pocket.

6) Fender:

Suitable numbers of tyres c/w 20mm dia. galvanized chain, plastic cover and shackles are to be provided. The eye lugs should be made of 16MM steel plate.

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

8). Tyre Fender: Suitable numbers of old tire fenders to be installed as shown in the GENERAL ARRANGEMENT. Galvanised chain and shackle are to be provided.

9). Fender plate: fender plate of size FB450X8 should be installed along the main deck edge.

10). Ramp door

One ramp door to be installed at bow center with dimension of 9144mm long and 5000mm width.

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

Fourty (40) zinc anodes (12kg/pc) are to be fitted to protect the external hull below the waterline against corrosion.