



SPECIFICATION
FOR
300'X 80'X18'DECK CARGO BARGE

HULL NO.:

DRAWING NO.: G-100-01SPEC

DECK LOADING: 8T/M²

Rev. 1

25 Oct., 2023



SECTION 1 GENERAL

1) General description

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 skeg. The main hull is to be divided by eight (8) transverse W.T. bulkheads and three (3) longitudinal W.T. bulkheads into thirty three (34) void compartments.

2) Principal particulars

Length overall	300 ft (91.50m)
Beam moulded	80 ft (24.40m)
Depth moulded	18 ft (5.50m)
Deck cargo	8T/m ²

3) Classification

The vessel is designed suitable for registration as a deck cargo barge and constructed in accordance with the latest rules and regulations of ABS for Unrestricted Services and to their special notation symbol **+A1 BARGE**

4) Certificates & Registration, Construction Drawings and Stability Booklet.

The following certificates are supplied to the owner in duplicate at the delivery of the Vessel.

- Builder Certificate
- Classification Certificate
- Load Line Certificate
- Survey for loadline

5) Welding

The vessel is all welded construction. Welding is carried out in accordance with the classification's requirements and to their attending surveyor's satisfaction.

6) Inspection

Throughout the construction period and at anytime prior to the delivery, the classification's surveyors, representatives and the consultants are to given free access, within normal working hours, to the builder's yard for supervision and inspection.

7) Draft mark

Draft mark shall be provided at 3 different locations, i.e., front, middle and back of the side hull.

8) Testing of tank and Bulkheads

Pressures testing of all tanks are to be carried out in accordance with Class requirements. Air test shall be used.

9) X-Ray

X-ray of welding shall be carried out in accordance with recommendations from the class surveyor and buyer representative.

SECTION 2 – STRUCTURE

1) General

The steel hull and deck erection are of all welded construction. All vertical welding shall be as per class requirement.

Deck scantling designed for 8t/m².

2) Plating thickness (Details see the approved drawings by ABS)

Deck	14mm
Bottom	12mm/14mm (At bow bottom)
Sides	12mm
Transverse BHD	8mm
Longitudinal BHD	8mm

3) Supportive Structure thickness

a. Web Flange& Girder

Deck	450×9+FL 150
Side	450×8+FL 150
Bottom	450×9+FL 150
Bulkhead	450×8+FL 150 & 450×8+FL 150

b. Stiffener (Long.)

Deck	L150 x 90x10
Side	L125 x 75 x10
Bottom	L150×90×9
Bulkhead	L125×75×9

c. Stanchion H250X250X9/14 BEAM

Diagonals FL150 x150 x12

d. Round Bar (Double Chine) 50mm Dia.

SECTION 3 – DECK MACHINERY & EQUIPMENT

1) General

All deck machinery and equipment are supplied (c/w certificate) and installed as far as classification is connected.

2) Deck fittings

- Mooring Bollards

Twenty-one (21) mooring single bits type bollards of 300mm N.B. heavy pipe shall be fitted on main deck as shown on GA drawing



EXTERNAL HULL – TOPSIDE (ABOVE WATERLINE)

- 1 full coat of Jotaprime 510, Red 100 mic
- 1 full coat of guard FC , black 150 mic

EXTERNAL MAIN DECK AND SIDEBORD

- 1 full coat of Jotamastic 80, Red 100 mic
- 1 full coat of guard FC , black 100 mic

VOID TANK

- 1 full coat of grey coating (HUSHAN or Jinling PAINTING) 50 mic

2) Catholic Protection

12kgx52pcs of zinc anodes will be welded to the immersed loaded hull as catholic protection.