

General Specification for Landing Craft

Purpose	Container Shifting
Main Dimensions	
Length OA	38 – 42 m
Beam OA	08 – 09 m
Depth	2 – 3m
Class	Should be approved by a Classification Society
Cooling System	Conventional Cooling
Performances	
Speed	Min 08 knots (Full Load)
Propulsion System	
Main Engines	2x Yanmar, Volvo, Caterpillar, Cummins (UK/US), or Renowned brand
Propulsion	2x Conventional Propeller (Fixed Pitch)
Auxiliary Equipment's	
AC Generator	2 x 220 V / 380 V, 50Hz @ 1500 RPM Volvo, Caterpillar, Cummins (UK/US), or Renowned brand
Air Conditioning	YES
Deck Lay-Out	
Deck Space	Should be able to carry minimum 12 TEU's
Deck Load	Minimum 8T/m ²
Deck Area	Fixed with Pinewood (minimum 2 inch)
Gross Tonnage	250-300 T
Anchor & Ramp Winch	2 x Electric Driven (Anchor chain with min 5 length)
Fendering	Tire Fenders at Sides and Aft
Manholes	Each subdivision shall be provided with watertight manholes for inspection and repair
Firefighting system (Detection & Alarm)	YES
Accommodation	
Capacity	Minimum 9 PERSON
Toilet	YES
Galley / Pantry	YES
Store	YES
Capacity	
Fuel Capacity	18,000 – 24,000 L (minimum)
Water Capacity	5000 L (minimum)
Sewage Tanks	YES

Painting & Navigational Equipment's

- The interior and exterior of the barge vessel be provided with marine protective coating according to standards.
- The outer finishing coat shall be black.
- Under Water Area shall be coated with Anti-Fouling according to standards
- Should have all the required Navigational Equipment's in accordance with the Local Transportation Authority regulations (Category A) including the following:
 - Magnetic Compass
 - Gyro Compass
 - Marine Radar 48NM Range
 - Marine GPS with Chart
 - Marine VHF with DSC
 - Rudder Indicator
 - Echo Sounder
 - Search Light
 - Heading Sensor
 - Life Raft
 - Life Jacket

Recommendations

- All Specification Sheets must be presented with Relevant Technical Drawings including GA Plans with Profiles along with bid documents.
- Pre-delivery & Post-delivery inspection / Sea trial must be carried out.