

141m Landing Ship Tank



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 **Singapore Technologies
Marine**
A company of Singapore Technologies Engineering

“COMPACT YET VERSATILE”

The 141m “Endurance” Class Landing Ship Tank (LST) is equipped with state-of-the-art technology to provide a wide range of support capabilities. Compact, yet versatile, the 141m LST is one of the most sophisticated support vessel to meet the challenges of today’s navies.



Hangar



Well Dock



Tank Deck

PRINCIPAL MISSIONS

As a multi-purpose support ship, the 141m LST can be readily equipped and deployed for the following missions :

- Provide sea transportation for personnel in support of overseas military training and exercises; eg Naval Midshipman Training cruises and passage exercises with foreign navies.
- As a multi-purpose Logistics Support and Command ship in support for naval operations.
- Search and Rescue operations and Civil Disaster Relief during peace time emergencies.
- Undertaking Humanitarian and Relief missions in support of United Nations peace-keeping efforts.

PRINCIPAL PARTICULARS

Length Overall	: 141 metres
Breadth Moulded	: 21 metres
Mean Draft	: 5 metres
Speed	: in excess of 15 kts
Range	: 5000 nm at 15 kts
Displacement	: 6000 tonnes (approx)

KEY DESIGN FEATURES

- Twin screw displacement hull with bulbous bow and bow thruster.
- A well-dock with wide stern door/ramp for embarkation and disembarkation of equipment and personnel.
- State-of-the-art bow door/ramp capable of transloading tracked and wheeled (RoRo) vehicles of up to MLC 60 onto the tank deck.
- Two 25-tonne deck cranes
- Highly automated and integrated platform and advanced Command and Control System onboard enhance safety and operations efficiency which enable reduced manning for the ship.

HELICOPTER OPERATIONS

- Large flight deck with state-of-the-art Aircraft Ship Integrated Securing and Transversing system.
- Day and night Landing and Take-off operations for 2 x 10-tonne helicopter.

NAVIGATION AND COMMUNICATIONS

- Sophisticated navigation systems fitted – Gyro; Speed-Log; Echo-Sounder; Differential Global Positioning System.
- Fully Integrated Bridge Console built into cockpit include :-
 - Dynamic Ship Control System
 - Ship Control Monitoring and Management System
 - Electronic Chart Display Information System
 - Advanced Surveillance Radar
 - Navigation Radar

WEAPONS

Anti-Surface and Anti-Air Self Defence Systems include :-

- 76mm Oto Melara Super Rapid Naval Gun
- 2 x Mistral Surface-to-Air Missile System
- Gun Fire Control System
- Electro – Optic Director
- 2 x 0.5 inch Machine Gun

MAIN MACHINERY

- Main Engines : 2 x Diesel Engines
- Generators : 4 x 875 KVA (approx)
- Propellers : 2 x Controller Pitch Propellers

SURVIVABILITY

- Vital areas hardened to withstand certain degree of shock.
- Major shipboard Navigation, Communications and Combat Systems mounted on shock mounts.
- Mechanical and Electrical Systems arranged with sufficient redundancies to allow uninterrupted operations during emergencies.



Heli Control Room



Integrated Bridge Console



Machinery Control Room



Aft Engine Room