LHD
Landing Helicopter Dock
The Landing Helicopter Dock’s (LHD) main mission is the transport of people, vehicles and loads, their transfer on land in port areas through on board systems and in not equipped areas by means of helicopters and various types of vessels (such as Landing Craft Mechanized units - LCM - with a load capacity up to 30 tons, 4 of which can be stowed in a dedicated flooded basin, located astern, and be launched and recovered through it). The LHD’s military operational profile allows the transport and landing, in equipped and non-equipped areas, of troupes, military vehicles, logistic equipment. The civil operational profile includes:

- healthcare and hospital support
- transfer and landing of people and wheeled or crawled vehicles in equipped and non-equipped areas
- supply of drinking water to land through on board desalination plants or storages
- supply of electricity to land (up to 2000 kW of power) and its distribution through containerized conversion and distribution units
- possibility of accommodation for specialized staff on board or hosting up to 700 people, plus the same number in containerized residential units
- rescue operations by means of helicopters and organic boats.

### Main Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Measurement</th>
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</thead>
<tbody>
<tr>
<td>Length overall</td>
<td>245.00 m</td>
</tr>
<tr>
<td>Length between perpendiculars</td>
<td>213.40 m</td>
</tr>
<tr>
<td>Beam at flight deck</td>
<td>36.00 m</td>
</tr>
<tr>
<td>Depth</td>
<td>27.70 m</td>
</tr>
<tr>
<td>Speed (max/range)</td>
<td>25/16 kn</td>
</tr>
<tr>
<td>Range</td>
<td>7,000 nm</td>
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<tr>
<td>Endurance</td>
<td>30 days</td>
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<tr>
<td>Crew + transported personnel</td>
<td>1,064 people</td>
</tr>
</tbody>
</table>

### Energy and Propulsion Systems

- Propulsion system: CODOG (2 x DE + 2 TAG and 2 EM up to 10 knots / 2 x FCPP)
- Generating sets: 4 + 2 Shaft generators

### Combat System

- 1 Integrated Navigation System
- 2 Navigation Radars
- 1 Combat Management System (CMS)
- 1 Internal Networking System (INS)
- 1 Dual Band Radar (DBR) (X band)
- 1 Early Warning Radar (L band)
- 1 IFF Interrogator System
- 1 IFF Transponder System
- 1 Distributed Static Staring - InfraRed Search and Tracking
- 3 Fire Control System (FCS) - ADT NG
- 3 Main Caliber Gun - 76 mm SR
- 1 Quick Point Device System (2 Pointing Devices)
- 1 EW System (RESM/CESM/RECM)
- 1 Decoy Launching System (2 Launchers)
- 1 Reaction Management System (RMS)
- 3 Secondary Caliber Guns - 25 mm
- 2 Long Range Acoustic Devices
- 1 Obstacle Avoidance Sonar
- 1 Diver Detection Sonar
- 1 Torpedo Detection System
- 1 Bathy Termograph Unit
- 6 Stand-alone Small Caliber Guns 12.7 m**
- 1 Remotely piloted aircraft System (RPA)**
- 1 Precision Approach and Landing System (PALS)**
- 1 Integrated Int/Ext Communication System
- 1 Precision Approach Radar (PAR)
- 1 Tactical Air Navigation System (TACAN)
- 1 Dual Band Radar (DBR) (C band)*
- 1 SAAM-ESD (CAMM ER option)*

* predisposition
** GFE