



LHD
Landing Helicopter Dock

FINCANTIERI
The sea ahead



LHD

Landing Helicopter Dock

_ main characteristics

— 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.

Length overall.....	245.00 m
Length between perpendiculars.....	213.40 m
Beam at flight deck.....	36.00 m
Depth.....	27.70 m
Speed (max/range).....	25/16 kn
Range.....	7 000 nm
Endurance.....	30 days
Crew + transported personnel.....	1 064 people

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

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

* predisposition

** GFE

