

LHD JUAN CARLOS I



MAIN CHARACTERISTICS

·Length overall	230.8 m	·Full load draught with FGM	7.1 m
·Length at water line	207.2 m	·Maximum sustainer speed	21 k
·Beam moulded	32.0 m	·Range	9,000 miles at 15 kt
·Beam Waterline	29.9 m	·Crew	243
·Depth to flight deck	27.5 m	·Total accommodation capacity	1,443
·Full load Displacement with FGM	27,560 t		



AIR CAPACITY

- Flight deck of 216 m x 32 m. to operate a combination of:
 - Planes: AV-8B Plus or Joint Strike Fighter and V-22 Osprey.
 - Helicopters: NH-90, SH-3D, CH-47 Chinook and AB 212.

MORE THAN DEPLOYING TROOPS ON LAND

- The capacities of the LHD include the ability to rapidly deploy, sustain and recover military forces. This capability includes:
 - The transport of an expeditionary force fully equipped, including: ammunition, oil, water, provision and other supplies needed to maintain its operational capability for a long period of time.
 - The positioning of that force in the surrounding area of action.
 - The systems to place the force in land.
 - The increase in the strategic lift capability will ensure the navies to have the right assets available to rapidly deploy the forces needed to meet the challenges of the future.

DIFFERENT SITUATIONS, DIFFERENT MISSIONS

- Because a ship of characteristics should not be used only for deployment of troops, the Strategic Projection is designed for:
 - Mission 1: marines forces projection (amphibious operations).
 - Mission 2: army forces projection operations.
 - Mission 3: eventual platform for aircraft carrier operations.
 - Mission 4: non combatant and peacetime operations.

CAPACITIES DEFINED BY OPERATIONS DIVERSITY

- Air > platform for helicopters and VSTOL (up to 20 planes).
- Amphibious > platform for marines, vehicles, landing crafts (4x LCM-1E / 4x LCM8) and support elements.
- Transport & expeditionary > capable for troops, tanks and helicopters.
- Humanitarian and rescue > capable to transport goods and provide assistance and medical support (aid containers + full medical facilities).

PROPULSION

- Gas turbine 19,750 kw
- Diesel generators 2x 7,680 kw
- POD's propellers 2x 11,000 kw
- Bow thruster 2x 1500 kw

TRANSPORT CAPACITIES

·Hangar	985 m2
·Light weight (garage)	1,880 m2
·Heavy weight (garage)	1,480 m2
·Well dock	1,165 m2
·Flight deck	5,440 m2
·Ammunition stores	580 m2
·General stores	325 m2
·Provision stores	650 m2
·Spare parts stores	120 m2

COMBAT SYSTEM

- Scomba CMS, Link 11/16, landing crafts link, MCCIS.
- AMPHIBIOUS OPERATIONS COMMAND & CONTROL.
- Radars: 1x 3D AIR, 1x SAAS LPI, 1x PAR, 1x Nav. LPI.
- 1x FLIR.
- 1x EO FCS.
- RADAR & COMMUNICATIONS ESM/ECM.
- DECOY LAUNCHERS, 1X TOWED TORPEDO DECOY.
- 4x 20/25/30 mm Guns, 2x 12.7 mm Machine guns.
- 2x PDMS (Weight & Space).

PROVEN DESIGN

- 1 unit operating for the Spanish Navy
- 2 unit operating for the Australian Navy
- 1 additional unit under construction for the Turkish Navy

