

# LHD CANBERRA



## MAIN CHARACTERISTICS

·Length overall	230.8 m	·Draft end of life	7.18 m
·Length at water line	205.7 m	·Maximum speed	more than 20 kt
·Beam moulded	32.0 m	·Range at 15 kt	more than 6000 nm
·Beam waterline	29.9 m	·Crew	243
·Depth to flight deck	27.50 m	·Total accommodation capacity	more than 1,400
·Full load Displacement with FGM	27,831 t	·Lloyds Register Classification to the Naval Ship Rules	



## AIR CAPACITY

- Flight deck of 202.3 m x 32 m. to operate a combination of:
  - Helicopters: Sea king, ARH-Tiger, S-70A -9, CH-53, MRH-90, etc
  - Fix wing: VSTOL aircraft and Joint Strike Fighter

## MORE THAN DEPLOYING TROOPS ON LAND

- The capacities of the ALHD 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).
  - Mission 2: army forces projection operations.
  - Mission 3: eventual platform for aircraft carrier operations.
  - Mission 4: non combatant and peace time 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 and 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 19,160 kw
- Diesel generators 2x 7,448 kw
- POD's propellers 2x 11,000 kw
- Bow thrusters 2x 1500 kw

## TRANSPORT CAPACITIES

·Hangar	990 m <sup>2</sup>
·Light weight (garage)	1880 m <sup>2</sup>
·Heavy weight (garage)	1410 m <sup>2</sup>
·Well dock	1165 m <sup>2</sup>
·Flight deck	4750 m <sup>2</sup>
·Ammunition stores	650 m <sup>2</sup>
·General storerooms	1076 m <sup>2</sup>
·Provision stores	

## COMBAT SYSTEM

- SAAB CMS, Link 16, tactical Common Data Link (FFBNW)
- Amphibious Operations Command & Control
- Radars: 3D air search and navigation radars
- Radar & Communications ESM/ECM (FFBNW)
- 1 x Torpedo Decoy System
- 25mm Guns
- 12.7 mm Machine guns
- 1 x Vertical Launching System (future growth)
- 1 x Active Missile Decoy System (future growth)

## 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

