

Landing Platform Helicopter (LPH)



Principal Functions

Designed for carrying an embarked force of Royal Marine (RM) Commandos together with some supporting arms, ammunition and vehicles. The ship can also carry an embarked air squadron.



Principal Characteristics

Design & Construction

The ship is built as a multi-deck vessel with an internal hangar and separate vehicle deck. Aircraft are transported to flight deck by hydraulic lifts.

Special Systems

Aircraft Refuelling Systems
Replenishment At Sea Systems
Passive & Active Defence Systems
Landing Craft storage and maintenance facilities

Crew facilities

Naval Complement (RN)	234
Embarked Force (RM)	803
Maximum On Board	1275

Roles & Function

The LPH is the first ship for Royal Navy service to be built to partially commercial standards.

LPH can:

- Provide accommodation and services for the principal elements of a Commando Group (up to 803 personnel), including a proportion of its supporting arms, ammunition and vehicles
- Embark, support, operate and hangar a Helicopter Squadron of medium helicopters in support of an Amphibious force
- Embark, operate and provide services for six Lynx helicopters
- Land, operate and provide services for Chinook helicopters

In addition, the ship will also be able to fulfil the following functions:

- Embark, support and deploy an Anti-Submarine Warfare (ASW) helicopter squadron.
- Provide an afloat base for mounting maritime counter-terrorist operations
- Ferry Sea Harrier aircraft or transport reserve aircraft.

The ship will also have the following civil functions:

- Civilian Evacuation
- Export electrical power
- Fresh water generation
- Medical and surgical facilities

Main Dimensions

Length overall	203.32
Length bp	192.76 m
Breadth (moulded)	32 m
Depth (moulded)	21.79 m
Draught (Load)	6.5 m
Draught(Scantling)	6.55 m

Performance

Speed	17.5+ knots
Aircraft	18 Helicopters
Vehicles	40 half-tonne equivalents

Classification

LR 100 A1, LMC, Ice Class 1D,
Aviation Fuel Exceeding 600C

Navigation & Communication Equipment

To Naval Standards

Flag

UK

Propulsion & Machinery

Main engine	
Medium Speed Diesel Engines	2
Generators	
Main Diesel Gensets	4
Emergency Genset	1

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