



Cavour Class  
Aircraft Carrier

**FINCANTIERI**  
The sea ahead



# Cavour Class

## Aircraft Carrier

### \_ main characteristics

— The ship has highly flexible operational capabilities, which enable her to carry out the functions of an aircraft carrier, as well as transport wheeled and tracked vehicles. The vessel is equipped with a flight deck designed for operating with helicopters and V/STOL aircraft. There is also a hangar/garage of 2,500m<sup>2</sup>. The ship's conventional non-nuclear plant propulsion system is the most powerful (88 MW) built to date, and her controllable pitch propellers are at the cutting edge of naval technology.

Length overall .....	244.00 m
Length between perpendiculars .....	215.60 m
Moulded breadth .....	39.00 m
Full load displacement .....	28,100 t
Flight deck .....	232.60 x 34.50 m
Hangar .....	134.20 x 21 m
H.T. Steel hull and Superstructures	
Stability and buoyancy according to Italian Navy std.	
NBC Protection	
Shock Protection of vital equipment	
Low Underwater Radiated Noise Signature Control	
Aviation facilities for fixed-wing aircraft AV-8B Harrier and JSF and helicopters EH101, AB212, NH 90, SH3D	
AVIO/GE LM2500 Gas Turbines (COGAG)	
Max Continuous Power .....	4 x 22 MW
Fincantieri Feathering CP propellers .....	2
Max sustained speed [85 % MCR] .....	> 29 kn
Range at 16 kn .....	7,000 nm

#### AUXILIARY SYSTEMS

<b>6</b> Generating sets Wärtsilä CW 12V200	<b>6</b> Reverse osmosis desalinators (70 t/day each)
<b>2</b> 200 kW each	<b>2</b> Couples of active-fin stabilizers
<b>2</b> Shaft generators 2,200 kW each	Bow and stern thrusters
Primary power 660V - 50Hz through passive distribution ring	Stern and side ramps
<b>2</b> Rudders	<b>2</b> Aircraft lifts (forward and stb. aft)
HVAC in all living and operational spaces	<b>4</b> Landing crafts (LCVP)

#### CREW

Flag Officers and VIP's .....	5	Aircrew .....	211
Ship's Complement .....	486	Troops .....	360 + 90
Amphibious Command Task Force .....	140	Total .....	1,202 + 90

### \_ combat system

**FINCANTIERI**  
The sea ahead



#### Head Office

Via Genova, 1 - 34121 Trieste (Italy)  
ph. +39 040 3193111

#### Naval Vessels

Via Cipro, 11 - 16129 Genova (Italy)  
ph. +39 010 59951 - MM-COM@fincantieri.it

fincantieri.com

<b>1</b> 2D Surveillance Radar	<b>1</b> Underwater Telephone
<b>1</b> 3D Multifunctional Radar	<b>2</b> Radars for Aero Mobile Control
<b>1</b> 3D Long Range Surveillance Radar	<b>1</b> Command Management System including SATCOM and Tactical Data Links
<b>2</b> Navigation Radars	<b>1</b> Integrated Int/Ext Communication System
<b>1</b> Mine Avoidance Sonar	<b>2</b> Main Calibre Guns - 76 mm SR
<b>1</b> EW System (RESM/CESM, RECM)	<b>3</b> Secondary Calibre Guns - 25 mm
<b>1</b> Anti Torpedo Defence System (SLAT)	<b>1</b> Sylver SAM Vertical Launching System (2 x 2 x 8)
<b>2</b> Radar/EO Fire Control System	<b>1</b> Decoy Launching System (2 Launchers)
<b>2</b> IFF Systems	<b>1</b> Tactical Air Navigation System (TACAN)
<b>1</b> IR Surveillance System	