



# AIDAprima: Cruiseship with air lubrication

Shipbuilder: ..... **Mitsubishi Heavy Industries, Nagasaki Shipyard & Machinery Works, Japan**  
 Vessel's name: ..... **AIDAprima**  
 Hull No: ..... **2300**  
 Owner/Operator: ..... **Costa Crociere / AIDA Cruises**  
 Country: ..... **(Owner) Italy / (Operator) Germany**  
 Designer: ..... **Mitsubishi Heavy Industries Japan**  
 Model test establishment used: ..... **MHI Nagasaki R&D Center, HSVA**  
 Flag: ..... **Italy**  
 IMO number: ..... **9636955**  
 Total number of sister ships already completed (excluding ship presented): ..... **0**  
 Total number of sister ships still on order: ..... **1**

On 14 March 2016, AIDA Cruises took delivery of the 11th ship in the AIDA fleet from Mitsubishi Heavy Industries Ltd. (MHI), Nagasaki, Japan.

AIDAprima is the first of a new generation of cruiseships raising environmental protection standards. The newbuilds have an extensive filter system for reducing emissions, with an exhaust treatment technology that filters all three emission types – soot particles, nitrogen oxide, and sulphur oxide.

A revolutionary hull design significantly enhances energy efficiency, while an additional first in the cruise industry is the use of the Mitsubishi Air Lubrication System (MALS). This modern technology enables the ship to glide on a cushion of air, thus further reducing fuel consumption. The vessel's state-of-the-art pod drives also significantly lower fuel consumption.

In addition, the new generation AIDA ships are the world's first cruiseships to feature dual-fuel engines, which, depending on availability at port, can also be operated with virtually zero-emission liquefied natural gas.

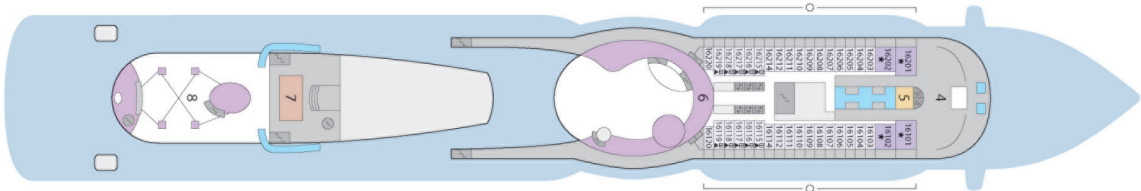
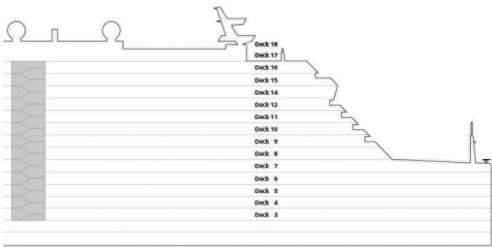
Ultramodern resource-saving technologies are also used in the hotel and restaurant area, i.e., from light management and using heat recovery to operate air conditioning systems, to laundry facilities with highly efficient tunnel washers that use even less electricity and water than cutting-edge household washing machines.

## TECHNICAL PARTICULARS

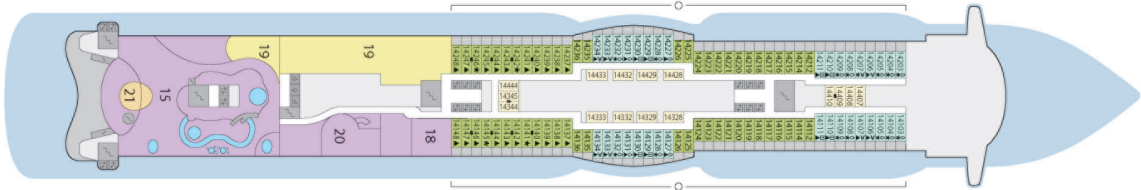
Length oa: ..... 299.95m  
 Length bp: ..... 290.90m  
 Breadth moulded: ..... 37.60m  
 Depth moulded  
 To Deck 3: ..... 11.40m  
 To Deck 6: ..... 19.80m  
 Draught  
 Scantling: ..... 8.25m  
 Design: ..... 8.05m  
 Gross: ..... 125,572gt  
 Deadweight

Scantling: ..... 11,068tonnes  
 Speed, service (– %MCR output): ..... 14knots  
 Bunkers: ..... Total 3,800m<sup>3</sup>  
 Water ballast: ..... 3,500m<sup>3</sup>  
 Classification society and notations: ..... GL  
 \* 100 A5 Passenger Ship IW, \* MC AUT RP3  
 50%, GL Environmental Passport,  
 BWM(D2) RINA C+  
 passenger ship; unrestricted  
 navigation; +AUT-UMS; +AVM-IPS;  
 FIRE; GREEN STAR 3;  
 INWATRSURVEY  
 Heel control equipment: ..... 4 x heeling tanks  
 Roll-stabilisation equipment: ..... 2 x stabiliser fins  
 Main engine(s)  
 Design: ..... Caterpillar Motoren  
 GmbH & Co. KG  
 Model: .... 12V43MC & 12V46DF (DF engine)  
 Manufacturer: ..... Caterpillar Motoren  
 GmbH & Co. KG  
 Number: ..... 12V43MC x 3, 12V46DF x 1  
 Type of fuel: ..... HFO or MGO  
 Output of each engine: ..... 12V43MC,  
 12,000kw / 12V46DF, 10,800kw  
 Propeller(s)  
 Material: ..... NiAl bronze  
 Designer/Manufacturer: ..... ABB/Fundilusa  
 Number: ..... 2  
 Fixed/Controllable pitch: ..... Fixed pitch  
 Diameter: ..... 5.8m  
 Diesel-driven alternators  
 Number: ..... 4  
 Engine make/type: ..... (see main engine)  
 Type of fuel : ..... MGO  
 Output/speed of each set: ..... (see  
 main engine)  
 Alternator make/type: ..... ABB, AMG  
 1600QM12LSE x 3,  
 AMG 1600LK12LSE x 1  
 Output/speed of each set: ..... 13,000kVA/  
 500rpm x 3, 11,700kVA/500rpm x 1  
 Exhaust-gas scrubbing equipment  
 Manufacturer: ..... Ecospray  
 Technologies, S.r.l.  
 Type: ..... ECO-SOX Scrubber  
 On main engines? .... Yes, two 12V43MC engines  
 On auxiliary engines? ..... No  
 Boilers  
 Number: ..... 2  
 Type: ..... FMB-VF / One of two  
 boilers is DF boiler  
 Make: ..... Saacke Marine Systems  
 Output, each boiler: ..... 5tonnes/h  
 Mooring equipment  
 Number: ..... 2 windlass/mooring winch,  
 9 mooring winch  
 Make: ..... Hatlapa Marine Equipment

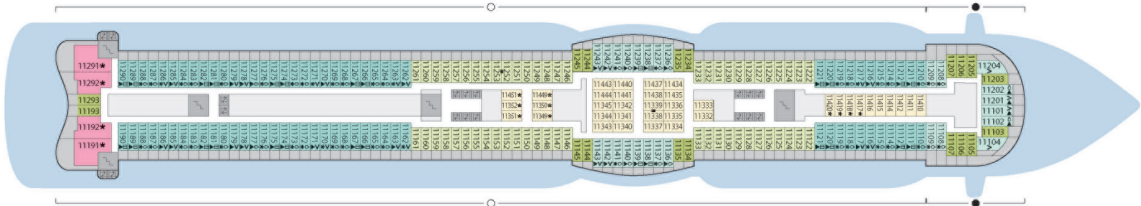
Type: ..... Electric  
 Special lifesaving equipment (eg MES, free-fall lifeboats)  
 Number of each and capacity: ..... 500 persons  
 Make: ..... Viking  
 Type: ..... MES  
 If MES, vertical or sloping chutes: .... Vertical  
 Water ballast treatment system  
 Make: ..... Headway Technology  
 Capacity: ..... 300m<sup>3</sup>/hr  
 Complement  
 Crew: ..... 950 persons  
 Passengers  
 Total: ..... 4,350 persons  
 Number of cabins: ..... 1,643 cabins  
 Percentage/number outboard: ..... 81%  
 Stern appendages/special rudders: ..... PODS  
 Bow thruster(s)  
 Make: ..... Brunvoll  
 Number: ..... 3 sets  
 Output (each): ..... 3,000kW  
 Bridge control system  
 Is bridge fitted for one-man operation? ...No  
 Fire detection system  
 Make: ..... Microdata Due Srl  
 Type: ..... MD9800-LC  
 Fire extinguishing systems  
 Engine room:  
 Make/Type: ..... Minimax GmbH&Co./CO<sub>2</sub> &  
 Minifog Marine XP  
 Cabins:  
 Make/Type: ..... Minimax GmbH&Co.  
 /Minifog Marine XP  
 Public spaces:  
 Make/Type: ..... Minimax GmbH&Co.  
 /Minifog Marine XP  
 Radars  
 Number: ..... 5  
 Make: ..... SAM Electronics  
 Model(s): ..... NACOS Platinum  
 Integrated bridge system? ..... Yes  
 Make: ..... SAM Electronics  
 Model: ..... NACOS Platinum  
 Waste disposal plant  
 Incinerator  
 Make: ..... Deerberg Systems  
 Waste compactor  
 Make: ..... Deerberg Systems  
 Waste shredder/crusher  
 Make: ..... Deerberg Systems  
 Sewage plant  
 Make: ..... Wärtsilä Water Systems  
 Contract date: ..... 2 November 2011  
 Launch/float-out date: ..... 3 May 2014  
 Delivery date: ..... 14 March 2016



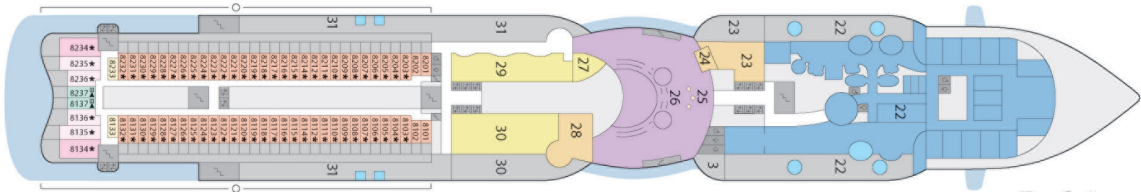
Deck 16



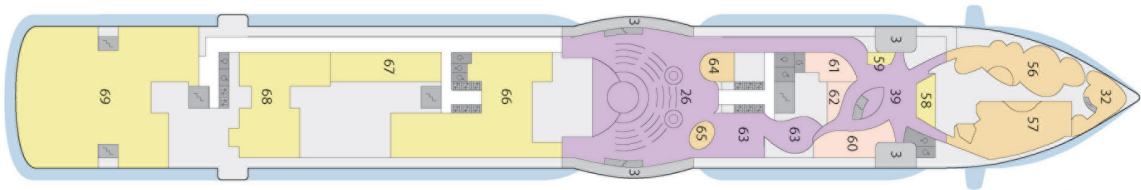
Deck 14



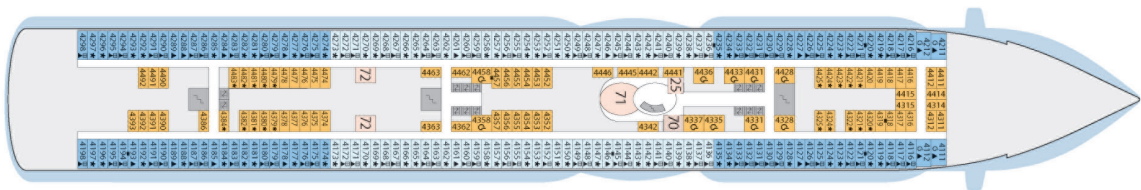
Deck 11



Deck 8



Deck 6



Deck 4