



M/S Crystal Harmony

General:	Crystal Harmony was designed for NYK/Crystal Cruises, USA, and has a gross tonnage of over 48,000 tonnes. Built by Mitsubishi Heavy Industries, Japan, she was delivered to Crystal Cruises in 1992 and at her launch she could accommodate 960 passengers and 505 crew. She was refurbished in 2000 at Vancouver Shipyard, Canada. In 2006 she was transferred to parent company Nippon Yusen Kaisha and renamed MS Asuka II. As of 2009 she was the largest cruise ship operating from Japan.		
Main Particulars:	Length o.a.		240.90 m
	Length p.p.		205.00 m
	Breadth moulded		29.60 m
	Depth		19.25 m
	Draught moulded		7.50 m
	Gross tonnage		4,862
Capacity:	No. of passengers		960 pax
	No. of crew		505 pers.
	No. of outside cabins		264 pcs
	No. of inside cabins		440 pcs
	No. of suites		60 pcs
Speed:	Service speed		22.00 kn
Machinery and Equipment:	Diesel electric		
	Main engines	4 x Mitsubishi MAN diesel (44,600 kW)	
	Propulsion motor	2 x ABB	
	Propulsion power	2 x 12,000 kW	
	Propellers	2 x Mitsubishi KaMeWa	
Miscellaneous:	Classification		Lloyd's Register
	Number of vessels built		1
	IMO number		8806204
Scope of Work:	Conceptual and Basic Design Approval of drawings Approval of calculations Theoretical calculations incl. stability and strength Miscellaneous supervision to the Owner during construction HVAC design in connection with conversion of health area		
Ref. No.:	KEH 88031		