



USCGC POLAR SEA SHIPS CHARACTERISTICS

Built by	Lockheed Shipbuilding & Construction Co. Seattle, Washington
Keel Laid	21 November 1973
Launched	4 June 1975
Length Overall	399 Feet
Beam	83.5 Feet
Draft	33.5 Feet
Compliment:	
Crew	16 Officers 125 Enlisted
Helicopter Detachment	4 Officers 10 Enlisted
Scientific Party	20 Scientist/Technicians
Height of Bridge Above Waterline	55 Feet (approx.)
Height of Aloft Conn Above Waterline	104 Feet (approx.)
Displacement	13,190 Tons fully loaded
Horsepower	18,000 in Diesel-Electric Mode 75,000 in Gas Turbine Mode
Sustained Sea Speed	17 Knots in Diesel-Electric Mode 22 Knots in Gas Turbine Mode
Propellers	Allis-Chalmers 16' diameter, 4-bladed controllable pitch
Gas Turbines	3 Turbo Power Marine FT4A-12
Propulsion Diesels	6 Alco 251-V16
Main Generators	Westinghouse 60AC, 2610KVA @, 97PF
Main Motors	3 Westinghouse DC6, 000SHP @ 900V
Icebreaking Capability:	
Diesel Mode Continuous	4' New Hard Ice
Gas Turbine Mode Continuous	6' New Hard Ice
Gas Turbine Mode Ramming	21' + New Hard Ice