

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
Complement:	
Crew	17 Officers 140 Enlisted
Helicopter Detachment	4 Officers 10 Enlisted
Scientific Party	13 Scientists/Technicians
Height of Bridge above Waterline	55 Feet (approx.)
Height of Aft Conn above Waterline	104 Feet (approx.)
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 DC 6, 000SHF@ 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