

USCGC Polar Sea (WAGB 11)

Ships Characteristics

Built by	Lockheed Shipbuilding & Construction Co. Seattle, Washington
Keel Laid	21 November 1973
Launched	4 June 1975
Length Overall	399 Feet
Draft	33.5 Feet
Beam	83.5 Feet
Height of Bridge above Waterline	55 Feet (approx.)
Height of Aloft Conn above Waterline	104 Feet (approx.)
Displacement	12,190 Tons fully loaded
Horsepower	18,000 in Diesel/Electric Mode 75,000 in Gas Turbine Mode



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, 2610 KVA @ .97PF
Main Motors	3 Westinghouse DC 6,000 SHP @ 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
	Compliment:
Crew	14 Officers 125 Enlisted
Helicopter Detachment	4 Officers 11 Enlisted
Scientific Party	10 Scientists/Technicians