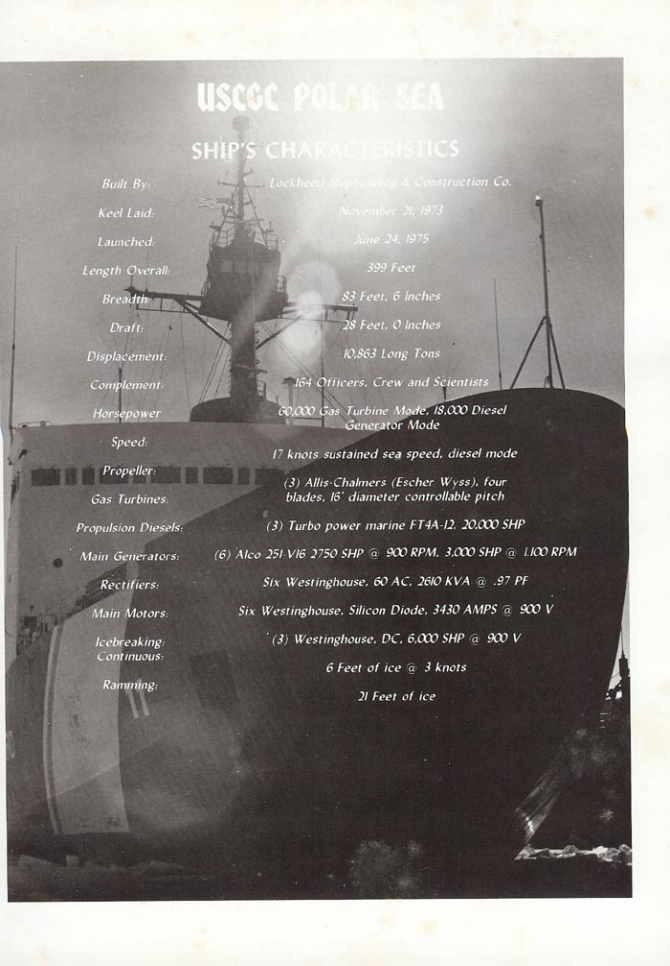


USCGC POLAR SEA

SHIP'S CHARACTERISTICS



Built By:	Lockheed Shipbuilding & Construction Co.
Keel Laid:	November 21, 1973
Launched:	June 24, 1975
Length Overall:	399 Feet
Breadth:	83 Feet, 6 Inches
Draft:	28 Feet, 0 Inches
Displacement:	10,863 Long Tons
Complement:	164 Officers, Crew and Scientists
Horsepower:	60,000 Gas Turbine Mode, 18,000 Diesel Generator Mode
Speed:	17 knots sustained sea speed, diesel mode
Propeller:	(3) Allis-Chalmers (Escher Wyss), four blades, 18' diameter controllable pitch
Gas Turbines:	(3) Turbo power marine FT4A-12, 20,000 SHP
Propulsion Diesels:	(3) Turbo power marine FT4A-12, 20,000 SHP
Main Generators:	(6) Alco 251-V16 2750 SHP @ 900 RPM, 3,000 SHP @ 1,100 RPM
Rectifiers:	Six Westinghouse, 60 AC, 2610 KVA @ .97 PF
Main Motors:	Six Westinghouse, Silicon Diode, 3430 AMPS @ 900 V
Icebreaking: Continuous:	(3) Westinghouse, DC, 6,000 SHP @ 900 V
Ramming:	6 Feet of ice @ 3 knots 21 Feet of ice