UNITED STATES COAST GUARD
HOMELAND SECURITY CUTTER LIGHT (HSC-L)

DIMENSIONS	US
Length, Overall	69.6 ft
Beam, Overall	21.5 ft
Depth, To Focsle Deck	11.0 ft
Depth, To Main Deck	9.0 ft
Design Draft (DWL)	6.0 ft
Full Load EOSL Draft	6.3 ft
Air Draft - Folded	17.8 ft
Air Draft - Unfolded	25.6 ft

PERFORMANCE	
Icebreaking @ 3 kts	12 in
Ice Breaking % MCR	90%
Cruise Speed	10.0 kts
Range @ 12 knots	720 NM
Endurance	3 days

WEIGHTS	WEIGHT	VCG
SWBS 100	45.0 LT	7.0 ft
SWBS 200	7.6 LT	4.2 ft
SWBS 300	5.2 LT	6.0 ft
SWBS 400	1.8 LT	16.8 ft
SWBS 500	12.3 LT	9.4 ft
SWBS 600	9.6 LT	9.0 ft
Lightship (LS)	81.5 LT	7.5 ft
Margins		
Total Margin	13.3 LT	12.1 ft
LS w/ Margin	91.6 LT	8.1 ft
Icebreaking Load Condition		
Icebreaking Loads	14.8 LT	
Full Load (BOSL)	109.7 LT	7.5 ft
SLA (7.5% LS)	7.0 LT	0.5 ft
Full Load (EOSL)	116.7 LT	8.0 ft
Aids To Navigation Load Condition		
ATON Loads	25.7 LT	
Full Load (BOSL)	120.5 LT	7.7 ft
SLA (7.5% LS)	7.0 LT	0.5 ft
Full Load (EOSL)	127.5 LT	8.2 ft

ARRANGEMENTS	
Crew Mess	6 persons
WC w/ Shower	1
Deck Head	1
ATON Workshop	1

ACCOMMODATIONS	
4 person	1
2 person	1
Total	6

TOWING

1 x 36,500 lb RBS Tow Hawser w/ Bridle

PROPULSION SYSTEMS	
Propulsion Engine	2 x CAT C18 B Rating (500 kW)
Propeller	2 x 45 in, 4 Blade, Fixed Pitch
Reduction Gear	2 x ZF W3350
Total BHP	1,340 HP

ELECTRIC SYSTEMS	
Generator	2 x CAT C4.4 (65 kW)
Total ekW	130 ekW

AUXILIARY SYSTEMS	
Firefighting	Watermist
Machinery Cooling	Keel Coolers
Auxiliary Cooling	Fresh Water Loop

BUOY TENDING	
Buoy Crane	4,500 lb SWL
Largest Buoy	5 x 11 LR
ATON Deck Load	16,340 lbs
Cross-deck Winch	2 x 2,000 lb SWL

MATERIAL	
Hull	Steel
Superstructure	Steel

DESIGN STANDARD

ABS First Year Ice Class IC (Hull Structure)

TANKAGE		
Fuel Oil	2,700	gal
Potable Water	500	gal
Sewage	500	gal

6/11/2026

Distribution Statement A. Approved for public release: distribution is unlimited.