

MULTIMISSION-READY POLAR SECURITY CUTTER

KEY FEATURES AND CAPABILITIES

- Ice Breaking
- Seakeeping
- Operating Range
- Flight Operations
- Boat Operations
- Flexible Mission Space
- Aft Working Space

TECH SPECS:

Length: 460.0Ft

Beam: 88.0Ft

Displacement: 22,900Lt

Propulsion:

Diesel electric at over
45,200 horse power

Icebreaking capabilities exceed
threshold requirements

Enhanced Mission Capabilities

- Large flight deck
- Configurable workspaces
- Supports 9 20Ft ISO containers
- Accommodations for 186
- Significant weight margins support future missions



Proven Hull Design

- Based on Polar Class 2 Icebreaker under construction
- Customized through 6 design spirals & model tests
- ABS "Approval in Principle"

Improved Crew Safety

- Damage Control Deck 51Ft above baseline
- Crew can traverse entire ship without exposure to weather

Integrated Power System

- 2 proven ABB Azipod drives+1 shafted centerline propeller
- Meets threshold icebreaking with loss of largest propulsor
- Redundant 3 generator sets:
 - Enhanced power flexibility
 - Optimized fuel consumption/range
- Power margins exceed objective requirements

OPTIMALLY BALANCED BETWEEN ICEBREAKING AND SEAKEEPING