

M/V Sea SLICE

SPECIFICATION FOR LOCKHEED MARTIN HIGH-SPEED SWATH



PERFORMANCE:

Speed maximum:..... 30 knots
 Speed Cruise..... 24 knots
 Range at Cruise 850 miles
 Motions: - Stable and unrestricted operation to Sea State 4-5
 - Operational to Sea State 6
 - Natural motions equal to ship three times as large

GENERAL DIMENSIONS:

Length over all 105'
 Length of hulls below the water (4ea) FWD: 42' - AFT: 41''
 Length between perpendiculars 82'
 Beam overall 55'
 Beam on deck 55'
 Open deck area¹ 55w' x 57L' = 3,135sqft
 Draft operating 14'
 Draft minimum 11.5'
 Main deck height above WL 11'
 01 deck height above WL 19'
 Main cabin interior (ATD configuration) 39'w x 28'l
 Displacement operating 212LT
 Displacement light ship 138LT
 Hull Tube Diameters:..... 84''
 Struts:
 Transverse angle Vertical
 Forward angle Vertical
 Max thickness 36''

CONSTRUCTION:

Material Marine aluminum 5083 H111 welded
Plate Thicknesses 1/8" - 1"
01 deck Custom plank extrusion

PROPULSION AND AUXILIARIES:

Main engines.....MTU 16V396 TB94
Horsepower.....3,500bhp each
Gear boxes..... Western Gear
Ratio-fixed 6.0:1
Propellers (2) Lips CPP, 7.1', 5-blade, highly skewed,
..... feathering, with shaft brake
Generators(2) Caterpillar 3306 180kw DGENSETS

TANK CAPACITIES:

Ballast tanks 22,136 gallons
Fuel 11,004 gallons
Potable water 800 gallons
Lube oil 400 gallons
Hydraulic oil 125 gallons
Sewage 680 gallons

SYSTEMS:

Electrical..... 480VAC 4-wire 3-phase
Hydraulics 4ea 10hp Independent Hydraulic Power Units
Stabilizing fins Lockheed Martin Asymmetrical
Steering Hydraulic with stable rudders
Steering & ride control Inboard diagonal canards fwd hulls,
..... Diagonal rudder / stabilizers aft hulls
Ballast system Pump type
Pumps4ea 30hp electric
Pump rate..... 450 gpm
Electronics Commercial stand-alone components
Monitoring Lockheed TASC II PC-based system
Automatic Motion Control (Fins and Ballast) MDI PC-based system

COMMUNICATIONS:

- (1) ICOM IC-M700PRO SSB HF Radio
- (2) VHF Marine Band Radios
- (1) VHF Handheld
- (1) SATPHONE - IRIDIUM
- (1) Cellular Phone

NAVIGATION:

- 1 Furuno Radar Model 1942 Mk-2
- 2 GPS Navigation Systems