

NAVATEK I

SPECIFICATION FOR 40 METER SWATH



Personnel Capacity430 passengers and crew

PERFORMANCE:

Speed maximum: 16 knots
 Speed Cruise: 13.5 knots
 Range at cruise.....1000 miles
 Range for transit/delivery.....3000 miles
 Motions: - Stable and unrestricted operation to Sea State 4
 - Operational to Sea State 6
 - Natural motions equal to ship three times as large
 - Heave measured at 0.05g in SS 3-4 conditions

GENERAL DIMENSIONS:

Length over all 131'
 Length lower hull..... 120'
 Length at waterline 112'
 Beam overall 53'
 Draft operating..... 12'
 Draft minimum 10'
 Main deck height above WL..... 8'
 01 deck height above WL 16'

GENERAL DIMENSIONS cont:

Main cabin interior approx. 51'w x 70'l
01 deck interior approx. 51'w x 60'l
Displacement operating365LT
Displacement light ship.....310LT
Hull Tube Diameters:
 Mid section 8'h x 11'w
 Forward 6'
 Aft Tapers to propeller hub
Struts Vertical with two struts per side

CONSTRUCTION:

Carrier Vessel (Main deck and below)

 MaterialSteel
Cabin House (module)
 Material Marine grade aluminum
Cabin House to Carrier Vessel Attachment
 Material Marinized seismic building mounts

PROPULSION AND AUXILIARIES:

Main engines..... Deutz MWM 16V-816CR
 Horsepower 1325bhp each
Gear boxes/PropellersUlstein Controllable Pitch
Generators:2ea 100kw GM 6-71

TANK CAPACITIES:

Ballast tanks 23,000 gallons
Fuel 5,000 gallons
Potable water 1,000 gallons
Sewage 500 gallons

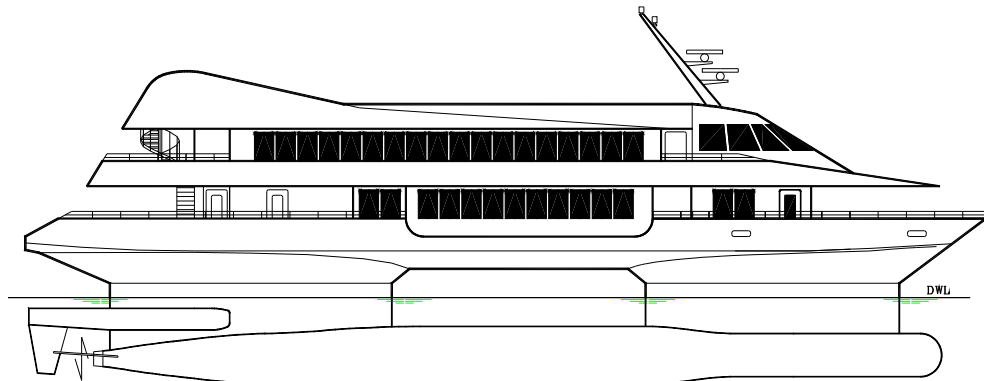
SYSTEMS:

Electrical.....110/220/440 4-wire 3-phase
Anchor windlass Electric
Stabilizing fins Koopnautics 3050
SteeringHydraulic
Ballast systemBlow type, 10psi
 Blowers Roots type hydraulic
 Blow rate 1,000 gpm
Electronics Commercial marine stand-alone components

CLASSIFICATION/CERTIFICATION:

USCG CertifiedCFR Subchapter T; 430 persons
ABS+A1 AMS a

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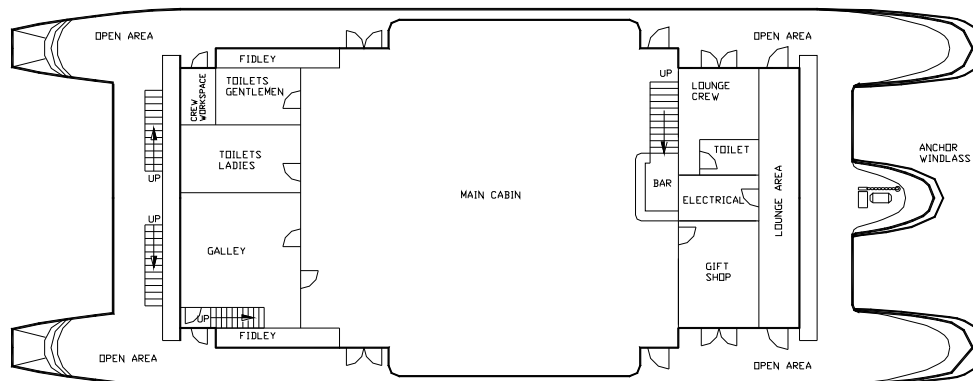
PROFILE
138'x53' SWATH NAVATEK I

NAVATEK®

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138'x53' SWATH NAVATEK I
PROFILE
DRAWN: M. ZAPKA
SCALE 1/16" = 1'-0"
JUNE 21, 1990
FILE : 16INF021

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MAIN DECK

NAVATEK I - SUPERSTRUCTURE

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NAVATEK I - SUPERSTRUCTURE
MAIN DECK - LAYOUT
SCALE 1/16" = 1'-0"
OCTOBER 16, 1990 MZ
FILE : 16INF011

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