

Algorythm Specifications

LOA:	92'0" (28 m)	Min. Draft:	
LWL:	72'0" (21.9 m)	Max. Draft:	4'10" (1.5 m)
LOD:		Clearance:	19'8" (6 m)
Beam:	21'0" (6.4 m)	MFG Length:	

Speed, Capacities and Weight

Cruise Speed:	25 kts.	Displacement:	136,000 lb (61,689 kg)
Max Speed:	32 kts.	Gross Tonnage:	
Fuel Capacity:	1,700 gal (6,435 l)	Ballast Weight:	
Water Capacity:	350 gal (1,325 l)	Ballast Material:	
Holding Tank:	250 gal (946 l)		

Hull and Deck Information

Hull Material:	Fiberglass	Hull Designer:	Dick Lazzara
Deck Material:	Fiberglass	Hull Color:	Blue
Hull Configuration:		Hull Finished:	

Engine Information

Manufacturer:	Volvo	E Type:	Inboard
Model:	IPS 900	Fuel Type:	Diesel

	Horse Power	Year	Approx. Hours	Condition	Overhaul Hours	O/H Date
#1	900			Original		
#2				Original		
#3				Original		
#4				Original		

Accommodations

Total Cabins:	4	Crew Cabins:	2
Total Berths:	5	Crew Berths:	4
Sleeps:	8	Crew Sleeps:	4
Total Heads:	6	Crew Heads:	1
Captain Cabin:	Yes		

Construction

Composite Construction:

- Hand-laid, "vacuum bagged" unidirectional fiberglass with balsa cored hull
- Hand laid, "vacuum bagged" E-glass and graphite balsa cored deck – one mold piece (patent pending)
- Solid fiberglass chine, center line and all hull penetration areas

- Blister resistant gelcoat under the waterline
- Vinylester resin for hull and deck
- Bottom paint
- High performance UV resistant exterior gelcoat
- Light weight balsa cored reinforced stringer system
- Light weight balsa cored bulkhead and floors, lower sole plywood
- Solid vinyl/PVC rub rail with stainless steel insert
- Quad engine stringer system

MECHANICAL

•Air Conditioning System:

- Six zone 124,000 BTU air conditioning system with air handlers and thermostats for each zone; touch pad controls
- Insulated copper piping supply and return lines
- Individual head exhaust fans

•Bilge System:

- 24 VDC automatic bilge pumps (2 aft, 1 fwd, 2 engine room)
- 24 VDC high-water alarm (2 aft, 1 fwd, 1 engine room)
- Five (5) Emergency bilge pumps,

•Black Water System:

- 250 US gallon black water storage tank
- Headhunter toilets
- Holding tank level indicator
- Dockside and pump out overboard
- Ozone Treatment Machine

•Grey Water System:

- Sump box w/pump, 24V-shower/drains

- Sump box w/pump-air conditioning condensate drains
- Control & Instruments, Main Engines:
 - Volvo display all engines
 - Station transfer panels
 - Shift & throttle controls, electronic with engine sync
 - Volvo joystick control for docking and slow speed maneuverability
 - Volvo electronic steering
 - Key switch start/stop
 - Cockpit control station
 - Joystick control Volvo
 - Station transfer panels
 - Start/stop panels
- Engines & Transmissions:
 - Four (4) Volvo IPS 850 Systems
 - Volvo duo-prop per drive
 - Extra pair of props
- Engine Room:
 - Epoxy coated engine room, white Flooring, metal diamond plate
 - Volvo control panel for engines and drives
 - Start/stop panels
 - Station transfer panels
 - Freshwater hose & spigot
 - Emergency access
 - Forward engine room stateroom access
 - Lazzara engineered “ultra sound®” engine room

- Powered ventilation system
- Exhaust System, Main Engines:
 - Underwater, through drive units
- Fire Extinguishing System:
 - Fire suppression system – automatic with engine shutdown, override and manual pull
 - Carbon monoxide detectors in crew cabin and master head
 - Four (4) mounted fire extinguishers
- Fresh Water System:
 - 350 US gallon potable water tank: FDA approved
 - Aft deck shower – hot and cold
 - Pressure water, MACH 5 240V
 - Water filtration system
 - Water heater, 240V (40 gallon)
 - Individual station water maintenance shutoff
 - Anchor/foredeck wash down system – fresh water
 - Aft wash down system
 - Aft cockpit shower
 - Dockside water inlet-aft deck
- Fuel System:
 - 1700 gallon fuel tank
- Fuel filters:
 - 1 x 30 micron (generator)
 - 4 x 10 micron (main engine)
 - Two (2) priming pumps electric
 - Four (4) priming pump motors (main engines)

- Four (4) Racor FG 900
- Two (2) Dual 900
- Lube Oil System:
 - Oil change system
 - Lube Oil Tank
- Noise, Thermal and Vibration Control:
 - Lazzara engineered “Ultra Sound®” engine room system
 - Interior “Isolation Dampening” System
 - Thermo barrier foil
- Sea Water Cooling System:
 - Four (4) sea strainers
 - Seacocks on all underwater fittings
 - Two (2) Generators
 - Air conditioning
 - Watermaker
- Steering System:
 - Volvo Electronic System
 - Steering wheel with wood accent
 - Volvo joystick, two (2) stations
 - One (1) Steering wheel

ELECTRICAL

- Exterior Lighting:
 - Overhead LED lights aft deck
- Navigation Lights:
 - Forward steaming light

- Port / Starboard side running lights
- Stern running light
- Anchor light
- Exterior LED deck lights
- Aft deck LED transom stairs
- Boat deck LED lighting
- Searchlight, chrome
- Generator:
 - Two (2) Onan 27.5 kW Diesel: 240 VAC/ 60 Hz, single phase, with sound enclosure and control panels
 - Engine fitted with alternator and muffler
- Electrical Grounding:
 - AC and DC Bonding and Grounding system with large zinc hull plate
 - IPS with separate drive and hull zincs
- Interior Lighting:
 - Overhead LED lighting (low voltage DC)
 - Emergency 24 volt DC lighting
- Shore Power:
 - Glendenning cablemaster @ 100 Amp/240V/60 cycle with 100' cord and wireless remote
 - Isolation transformer, 240V/24 KVA/100 Amp
 - Shore Power "smart Y" box
 - Switchboards, Load Banks & Control Panels:
- Batteries, (AGM) Group 31):
 - 2 GPL 3100T for generator
 - 8 GPL 3100T/M for engines
 - 2-GPL 40L for house

- Three (3) battery chargers (40 Amp Charles Chargers)
 - Panel, AC main selector – 240V
 - Panel, main distribution – AC/DC
 - Lazzara engineered engine room DC distribution panel
 - Standard E-Plex System
- Wire and Cables:
 - All wire to approved specifications
 - All cables marked with circuit number
 - Wire chase runs throughout

ELECTRONICS

- Alarms/Monitors:
 - Lazzara 64-channel ISIS 500 vessel monitoring system, including:
 - Dynamic diagnostics
 - One (1) 15" LCD monitor at helm, (1) 19" LCD monitor in engine room
 - ECM output from engine monitor/alarm electronics
 - Generator systems alarm/monitoring
 - Tank level readout and alarms
 - Fire Zone Alarm for engine room
 - Bilge Alarms and pump run indication
 - Auto fire discharge alarm
 - Volvo engine alarms
 - Fire & carbon monoxide smoke detectors
- Communications:
 - Two (2) VHF Radio/ Fog Horn / Hailers
 - Telular cell phone GSM 850/1900 with 3db cell antenna

- Entertainment:

- Main Salon:

- Sharp 60" LED TV
- Denon home theater system with surround sound
- Samsung Bluray player
- Docking station for iPod

- Master Stateroom:

- Samsung 47" LED TV
- Denon home theater system with surround sound
- Samsung bluray player
- Docking station for iPod

- VIP Staterooms:

- LG 26" LED TV
- Samsung bluray player
- Docking station for iPod

- Aft deck:

- 32" Samsung LED TV
- Four (4) speakers and two (2) subwoofers

- Crew Staterooms:

- Samsung 19" LED TV
- Samsung bluray player
- Docking station for iPod

- KVH satellite antenna with six (6) receivers

- Navigation:

- Flybridge Helm Station

- Fully instrumented helm console, including electronic engine controls
- Three (3) single custom electric helm chairs
- GPS/plotter/radar/sounder-Navnet 3D
- Autopilot- Simrad
- Compass/Depth Sounder display - Furuno
- Three (3) 17" LCD displays
- Two(2) Volvo EVC's
- Hardtop mountings for:
 - Electronics
 - Antennas
 - Radar
 - Lighting
 - Horns
 - Navigational lighting

MAIN DECK OUTFITTING

- Anchor and Anchor Handling:
 - Anchors, stainless steel
 - Anchor chain storage in forepeak locker
 - Anchor chutes, stainless steel
 - Anchor wash down system
 - 150 lb Windlasses, chain with controls
- Deck Hardware:
 - Air Horn
 - Lazzara custom 16" bow, spring and stern cleats, 316L stainless steel
 - 8 cleats 2 pop up 2 fairleads

- 1 ½" stainless steel 316L steel rails on main deck
 - Burgee staff, custom stainless steel, with burgee flag
 - Forward hatch to bow cabin
 - Acrylic panel with stainless steel edge trim, Algorithm logo, LED edge lit
 - Logo, stainless steel
 - Bulwark boarding doors port and starboard
 - Teak aft deck and swim platform deck
- Doors and Hatches:
 - Weather-tight engine room access
 - Crew access hatch
 - Foredeck access hatch
 - Stainless steel aft main salon sliding door
 - Aft deck bar with remote controlled hydraulic lift window
 - Aft garage door hydraulically actuated
- Port lights and Windows:
 - Recessed hull windows
 - Main deck windows are tinted glass, laminated and chemically strengthened
 - Windshield are high "Thermal E" glass, laminated and chemically strengthened
- Rails, Ladders and Gangways:
 - Stainless steel (316L) round hand rails on all exterior decks
 - Boarding ladder with handrail
 - Solid PVC rubrail with stainless steel insert
 - Swim ladder
 - Bulwark doors port and starboard
- Storage Locker Foredeck:

- Foredeck locker for line and fender storage

AFT DECK/TRANSOM OUTFITTING

•Aft Deck:

- Deck self-bailing
- Flooring, teak
- Lighting, indirect
- Aft stateroom access hatch
- Teak steps
- Table
- Speakers, overhead
- Overhead cockpit lights
- Low level courtesy lights
- Aft deck bar with appliances
- Baby gates
- Storage compartments
- Boat name engraved on ½" abrasion resistant acrylic panel with stainless steel frame – illuminated LED edge lit technology by Yachtsign
- Docking Station with controls

•Aft Sport Deck:

- Hydraulically operated garage door
- Garage to store jet ski
- Fresh water inlet
- Cable TV/phone connection
- Retractable cleats for tender
- Shore power cord outlet
- Engine room windows with standard glass

FLYBRIDGE

- Helm station with three(3) monitors
- Three (3) helm chairs
- Air conditioning at helm
- Windscreen
- Port side bar with sink and refrigerator
- Stbd. side settee with teak table and storage below
- Jacuzzi
- Grill on port side with storage below
- Teak decking on forward part of flybridge
- Access to aft deck stairwell
- Lounge area aft with lounge chairs
- Non-skid deck in lounge chair area
- Overhead LED lighting
- Courtesy LED lighting
- Hardtop with skylights
- Full flybridge enclosure

MASTER STATEROOM

- Walk around Lazzara-size king bed with innerspring mattress
- Six (6) storage cabinets on port side
- Two (2) dressing bureaus
- Veneered night stand, port and starboard, with wood tops and drawers/bureaus, port and starboard, with “soft close” drawers
- Upholstered loveseat starboard side
- Shades over panoramic windows
- Carpet

- Majilite overhead panels w/foam backing
- Majilite wall coverings, removable panels
- Panoramic windows
- Direct and indirect lighting
- Receptacles: 120 VAC duplex
- Decorative sconces

MASTER HEAD

- Wood vanity top with two (2) vessel sinks
- Single lever lavatory faucets, polish chrome finish
- Marble flooring with a six (6) inch wood border
- Marble enclosed full size shower/jacuzzi with seamless glass enclosure
- Headhunter marine toilet
- Towel bars, tissue holders, wall mounted soap dishes and tumbler holders
- Contemporary shower set, polish chrome finish
- Exhaust fan
- Recessed warm white LED down lights
- Two 120 VAC duplex receptacles with ground fault breakers
- Linen closet

MASTER BALCONY ROOM

- Teak flooring
- Hydraulic actuated Private Terrace
- Full Height Glass windows
- Water tight door for access to Private Terrace

PORT VIP STATEROOM

- Lazzara sliding twin-size beds with innerspring mattresses

- Glass window on inboard cabin wall
- Headboard
- Hanging locker with full-length mirrored door
- Nightstand with drawers
- Storage drawers under bed
- Carpet
- Majilite overhead panels with foam backing
- Blinds over window
- “Horizon” panoramic windows
- Direct and indirect lighting
- Receptacle: 120 VAC duple

STARBOARD VIP STATEROOM

- Lazzara double-size bed with innerspring mattress
- Glass window on inboard cabin wall
- Headboard
- Hanging locker with full-length mirrored door
- Nightstand with drawers
- Storage drawers under bed
- Carpet
- Majilite overhead panels with foam backing
- Blinds over window
- “Horizon” panoramic windows
- Direct and indirect lighting
- Receptacle: 120 VAC duplex

PORT AND STARBOARD VIP HEADS

- Headhunter marine toilet
- Power vent fan
- Glass towel shelf with rails
- Storage
- Custom vanity with wood countertop and vessel sink
- Marble flooring
- Contemporary shower set, polish chrome finish
- Single lever faucet in polish chrome
- Shower with seamless glass enclosure
- Wall mounted soap dish, tumbler and tissue holder
- 120 VAC duplex receptacles (GFI protected)

FORWARD VIP STATEROOM

- Lazzara queen bed with innerspring mattress
- Hanging locker
- Storage, cabinet with drawers and shelves
- 24V reading lights (12 volt) Halogen
- Lighting low voltage warm white LED
- Deck hatch/screen/blackout
- Carpet
- Storage under bed
- 120 VAC duplex receptacles
- Polish chrome fixtures

FORWARD VIP HEAD

- Marble flooring
- Lighting low voltage AC halogen

- Power vent fan, 24 volt
- Contemporary shower set, polish chrome
- Shower with seamless glass enclosure
- Headhunter marine toilet
- Storage, medicine cabinet
- Vanity with wood countertop and back splash
- Wall mounted soap dish, tumbler and tissue holder
- 120 VAC duplex receptacles (GFI protected)

CREW LOUNGE

- Settee
- Storage Lockers
- Refrigerator
- Microwave
- Monitor for ISIS/Furuno Navnet with controls
- Access to main deck
- Access to engine room

CREW STATEROOMS (2)

- Bunk, lower with storage below
- Bunk, upper
- Flooring, carpet
- Lighting, low voltage warm white LED
- Outlets, 120V GFI protected
- Storage, drawers

CREW HEAD

- Headhunter marine toilet

- Shower and sink
- 120 vac duplex receptacles (GFI protected)

DAYHEAD (SALON)

- Custom vanity with wood countertop and sink
- Single lever faucet in polish chrome finish
- Headhunter marine toilet
- Mirror
- Wood flooring
- Storage

SALON

- Overhead lighting, LED
- High gloss wood interior
- Storage cabinets
- Wood flooring
- Starboard custom sectional
- Port lounge chairs (2)
- Pop-up TV cabinet
- Hunter Douglas pleated shades
- Bar storage, cabinet with bottle and glass racks
- Coffee table (pop-up)
- 120 vac duplex receptacles
- Dining table with seating for eight (8) with two(2) barstools

GALLEY/DINETTE

- Microwave/convection oven
- Designer range hood

- Stainless steel appliances
- Refrigerator with icemaker
- Wine chiller
- Ice maker
- Silestone countertops
- Cook-top, recessed four-burner
- Coffee maker, Krups®
- Storage cabinets, upper and lower
- Settee with storage
- Expandable custom dinette table
- Glass serving area
- Lighting, indirect
- Wood plank flooring
- Two (2) barstools
- 120 vac duplex receptacles (GFI protected)
- Stainless steel under mount sink with single lever faucet

FORWARD EQUIPMENT ROOM

- Fresh water system - filters
- Access to forward stairs
- Access to AC units
- Access to isolation transformer
- Lighting/storage available
- Black water overboard discharge valve and pump

LAUNDRY ROOM

- Miele side by side washer/dryer

- Storage lockers

INTERIOR DECOR

- Headliner:

- Majilite Cachet

- Flooring:

- Salon: hardwood flooring
- Staterooms: carpet
- Day head: hardwood flooring
- Crew stateroom: hardwood flooring
- Master and VIP heads: marble
- Crew head: hardwood flooring
- Galley: wood flooring

- Wall Coverings:

- Head walls: wallpaper
- Throughout – foam-backed wall fabric and/or vinyl

- Furniture:

- Salon: sofa, lounge chairs and cocktail table
- Galley: two (2) barstools and built-in settee

- Window Treatments:

- Pleated shades

- Soft goods:

- Bedsreads, shams, and throw pillows

- Linens:

- Four (4) sets of bath, hand, and face towels per head, one (1) bath mat per stateroom head, two (2) hand towels for day head, six (6) beach towels

- One (1) set of custom fitted cotton sateen sheets per bed, two (2) medium firm down sleeping pillows; two (2) sham pillows, pillow protectors for sleeping pillows, one (1)blanket and one (1) mattress pad per bed

- Yacht Provisions:

- Galley equipment, yacht equipment and housekeeping equipment provided;

- Equipment includes cookware, bake ware, utensils, knives, and small appliances: table top service for eight (8) includes dinnerware, flatware, and glassware

- Lighting:

- In addition to overhead recessed lighting, included are master stateroom sconces, and VIP stateroom sconces
