



## North Star 100 Cockpit Motoryacht

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Naval architect	Jack Sarin
Length overall	100'1"
Length at waterline	87'1"
Beam	24'
Draft	5'10"
Displacement	254,000 lbs
Fuel	4,050 gals
Water	640 gals
Holding tank	475 gals
Berthing Accommodations	3 Staterooms/5 heads
Crew Accommodations	2 Stateroom/shared head

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### CONSTRUCTION

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1. Hull & deck superstructures is hand laid molded fiberglass with vacuum bagged structural coring built to engineering specifications & ABS guidelines; stringers are fiberglass encapsulated foam
  2. All of hull and deck outer layers of fiberglass are laminated with an anti-blister type resin up to core
  3. Solid fiberglass keel & reinforced chines
  4. Structural bulkheads & soles are vacuum bagged coring bonded to hull
  5. Propeller pockets for reduced draft
  6. Five (5) year limited hull & superstructure warranty
  7. Overall construction process using light weight materials for reduced weight
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### MECHANICAL & ENGINE ROOM EQUIPMENT

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1. Twin Caterpillar C32 1650hp; other engine options available
2. Electronic controls in pilothouse, flybridge, port & starboard docking stations
3. Two fiberglass sea chests fitted with Lexan tops with cross-over tube with main primary shut off valves and secondary valves to supply raw water to main engines, generators and various equipment
4. American hydraulic bow thruster, 16"- 65hp
5. American stabilizers
6. American ships integrated hydraulic package
7. Chilled water air conditioning with reverse cycle heating with air handlers & temperature controls in each room
8. Delta T engine room ventilation with demisters
9. Lube tank, 120 gal new & used with oil change system
10. Engine room start/stop panel

11. Jastrum hydraulic power steering
12. Bronze Nibral 5 bladed propellers
13. Propeller shafts, 4" Aquamet 22HS
14. Struts: high test bronze with cutlass bearings
15. Tides dripless shaft & rudder seals
16. Rudders: stainless steel 3" shafts with molded urethane fins
17. Underwater exhaust with stainless steel risers
18. Fuel priming pump for main engines
19. Hour meters on main engines & generators
20. Bilge high water alarm system
21. Fire extinguishing system with manual & automatic discharge, engine shutdown/override system & discharge alarm
22. Engine driven emergency bilge pump system
23. Fuel water separator filters for main engines & generators
24. Aluminum fuel tanks with sight glass & monitored with ship's monitor system
25. Fuel distribution manifold with transfer pump
26. Bronze sea water strainers
27. Sound abatement: extensive use of Soundown, Nida-Core & other sound abatement materials are used during construction throughout the vessel including engine room insulation, sound absorption tiles in strategic locations of the hull, exhaust engineering, insulation of wire ways & plumbing, & extensive machinery & drive train alignment.
28. Craftsman 5 gal air compressor
29. Central vacuum system

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## PLUMBING

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1. Stainless steel fresh water tank with Head Hunter water pump
2. Two (2) 30 gallon stainless steel hot water tanks, 240 volt plus heat exchanger from main engines
3. Sealand Vacuflush heads with HD commercial grade pump
4. Integral fiberglass holding tank with dockside & overboard discharge systems
5. Electronic ship's monitoring tank indicator
6. Bilge high water alarm system
7. Common drain system for sinks and showers
8. Sea Recovery watermaker, 1,200 gallons per day

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## ELECTRICAL

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1. Northern Lights generators, shielded; (1) 55kw & (1) 40kw
2. 24 volt engine start batteries; four (4) 8D's
3. 24 volt house batteries twelve (12) 6 volt deep cycle
4. 12 volt generator start batteries; one (1) per generator
5. One (1) 4000 watt inverter
6. 12 volt/24 volt DC & 120 volt/240 volt AC systems
7. 12 volt & 24 volt battery chargers with isolation system
8. One (1) Glendenning Cablemaster with 100' of 100 amp 110V/220V shore power cable
9. Electrical distribution & control panels with magnetic circuit breakers, amp meters & volt meters

10. Duplex 120 volt outlets with GFI's in heads, galley & exterior outlets
11. Internal bonding system with zinc anode protection
12. Phone & CTV system with shore hookups
13. Alarm system; main engines & bilge alarms

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## ELECTRONICS

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An \$100,000.00 electronics budget is provided so that specific equipment may be selected to owner's choice.

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## PIOLTHOUSE

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Two (2) Pompanette helm chair's
6. Raised settee with pedestal mount table with light weight granite
7. Helm station with all electronics custom installed into low profile console
8. Complete electronics package (per budget in allowance schedule)
9. Compass 6" Ritchie
10. Electronic ships monitoring system; tanks, bilge pumps, smoke
11. Kahlenberg dual air horn
12. Jabsco searchlight, remote-control 255SL halogen dual-bulb 200,000 candlepower
13. Windshield wipers, fresh water washer & defoggers
14. Port & starboard side deck pilothouse doors
15. Access to flybridge

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## SALON

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. L-shaped sofa with cocktail table
6. Two (2) occasional chairs with ottomans
7. Entertainment center with 42" flat screen TV with sat-receiver, surround sound
8. Privacy blinds & window treatments
9. Stainless steel aft sliding door

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## DAY HEAD'S

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Light weight granite counter tops with under mount sink
5. Amtico flooring or similar

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## DINNING

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Recess ceiling with decorative light
5. Halogen lighting
6. Dinning table with six (6) dinning chairs
7. Built in storage cabinet

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## GALLEY

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Large Country kitchen bar
5. Light weight granite counter tops
6. Stainless steel sink, under-mount
7. Grohe fixtures
8. GE profile side-by-side refrigerator/freezer
9. GE profile four burner range
10. GE profile microwave
11. GE profile dish-washer
12. GE profile Trash compactor
13. GE garbage disposal
14. Cabinets with roller glide drawers & sea lock hardware
15. Amtico or similar flooring

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## BAR ACROSS FROM DINNING

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Light weight granite counter top
6. Refrigerator/icemaker combo; (U-Line)
7. Storage locker

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## MASTER STATEROOM

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Vinyl wall-covering with whisper wall tracking
6. King-sized berth with custom innerspring mattress
7. Custom design headboard

8. Nightstands with wall lamps
9. Work station with cabinets, drawers & chair
10. Flat screen 22" TV with sat-receiver, DVD/CD player
11. Settee, custom built-in
12. Walk-in cedar lined lockers
13. Stainless steel port lights with screens

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#### MASTER HEAD

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Vinyl wall-covering
5. En-suite his & hers heads with Jacuzzi tub & shower
6. Medicine cabinets
7. Sealand Vacuflush heads
8. Exhaust fan
9. Grohe shower fixtures, towel bars & paper holders
10. Stainless steel port lights with screens
11. Light weight granite counter top with Kohler under mount sink
12. Stone flooring

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#### VIP STATEROOM

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Vinyl wall-covering with whisper wall tracking
6. Queen-sized berth with custom innerspring mattress
7. Custom design headboard
8. Nightstands with wall lamps
9. Flat screen 20" TV with sat-receiver, DVD/CD player
10. Settee, custom built-in
11. Stainless steel port lights with screens
12. Cedar lined lockers

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#### VIP HEAD

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Vinyl wall-covering
5. En-suite heads with custom fitted showers
6. Sealand Vacuflush heads
7. Exhaust fan
8. Grohe shower fixtures, towel bars & paper holders
9. Stainless steel port lights with screens

10. Avonite counter top with Kohler under mount sink
11. Amtico or similar flooring

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#### GUEST STATEROOM #2

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Vinyl wall-covering with whisper wall tracking
6. Twin berth with inner spring mattress
7. Stainless steel port holes with screens
8. Flat screen 20" flat screen TV with sat-receiver

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#### GUEST HEAD #2

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Vinyl wall-covering
5. En-suite heads with custom fitted showers
6. Sealand Vacuflush heads
7. Exhaust fan
8. Grohe shower fixtures, towel bars & paper holders
9. Stainless steel port lights with screens
10. Avonite counter top with Kohler under mount sink
11. Amtico or similar flooring

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#### LOWER FOYER

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1. Art niche with storage below
2. Stack GE washer & dryer
3. Vinyl headliner with whisper wall tracking
4. Quality carpet & pad
5. Halogen lighting
6. Linen wardrobe

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#### CAPTAINS QUARTERS

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Vinyl wall-covering with whisper wall tracking
6. Queen berth with inner spring mattress
7. Stainless steel port holes with screens
8. Flat screen 20" flat screen TV with sat-receiver

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## CREW'S STATEROOM

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Vinyl wall-covering with whisper wall tracking
6. Three (3) single berth's with inner spring mattress
7. Stainless steel port holes with screens
8. Flat screen 20" flat screen TV with sat-receiver

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## CREW HEAD

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Vinyl wall-covering
5. En-suite heads with custom fitted showers
6. Sealand Vacuflush heads
7. Exhaust fan
8. Grohe shower fixtures, towel bars & paper holders
9. Stainless steel port lights with screens
10. Avonite counter top with Kohler under mount sink
11. Amtico or similar flooring

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## CREW GALLEY & LOUNGE

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1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Vinyl wall-covering with whisper wall tracking
5. Avonite counter top with stainless steel sink
6. Microwave, refrigerator
7. Built in settee with Avonite table
8. Flat screen 20" TV with sat receiver
9. Stainless steel port lights with screens
10. Amtico or similar flooring

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## EXTERIOR FEATURES & HARDWARE

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1. All 316L stainless steel exterior hardware
2. All 316L 1 1/2" stainless steel cap rail with 1 1/4" stations
3. Deck surface is a low maintenance gel-coat non-skid stipple finish
4. Stainless steel port lights with screens
5. Windows glue in tempered safety glass, 3/8" tinted on deck sides with 1/2" clear on front windshields
6. Halogen deck lighting

7. Hawse cleats, bow and quarter

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## FLYBRIDGE

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1. Control console with full controls and gauges including engine alarms with weather cover
2. Wing station port & starboard with weather cover
3. Lexan venturi wind screen
4. Two (2) Pompanette helm seat's with weather covers
5. U-shaped settees, port and starboard with Avonite tables & weather covers
6. Jabsco searchlight, second station
7. Radar arch, aluminum with mast for electronics
8. Halogen deck lights
9. Deck surface is a low maintenance gel-coat non-skid stipple finish

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## BOAT DECK

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1. Nick Jackson 2,500# electro/hydraulic boat davit, lift and hoist
2. 15' Novurania with Yamaha 90hp with weather cover
3. Install customer supplied wave runner
4. Stairs with teak treads leading down to aft deck
5. Deck surface is a low maintenance gel-coat non-skid stipple finish
6. All 316L 2" stainless steel handrails, loop style, removable for launching tender

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## FORE-DECK

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1. Maxwell 4500 hydraulic anchor windlass w/ 210# anchor and 300' 5/8" HT chain w/ Freeman access hatch to chain locker
2. Anchor wash down system
3. Large foredeck with built-in settee & sun pad
4. All 316L 1 1/2" stainless steel cap rail with 1 1/4" stations
5. Deck surface is a low maintenance gel-coat non-skid stipple finish
6. Fresh water outlet for wash down
7. Bollard cleat with haws rings

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## AFT DECK

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1. Large built-in settee with teak tables & weather covers
2. Storage locker with refrigerator/icemaker combo & wet sink
3. Stairs with teak treads leading to boat deck
4. Deck surface is a low maintenance gel-coat non-skid stipple finish
5. Stainless steel salon door
6. Halogen overhead lighting

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## COCKPIT

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1. Large boarding transom door
2. Steps to aft deck, port & starboard side
3. Deck surface is a low maintenance gel-coat non-skid stipple finish
4. Engine room access with Freeman door
5. Hot and cold shower
6. Fresh water wash down
7. Hatch (24"x36") fitted with hydraulic lift
8. 100 gallon gasoline tank with pumping station

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## SWIM PLATFORM

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1. Swim platform with 2" stainless steel stern rails with center opening gates
2. Deck surface is a low maintenance gel-coat non-skid stipple finish
3. Two (2) pop-up tender cleats

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## SAFETY AND MOORING

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1. Owner's manual with wiring & plumbing diagrams & complete documentation of all construction & systems
2. Two (2) ten (10) person life rafts in fiberglass container with hydrostatic release
3. Twenty (20) adult & six (6) child life jackets
4. Two (2) 24" Life ring
5. Six (6) mooring & spring lines
6. Six (6) fenders 12" x 34"
7. Flare kit
8. First aid kit
9. Twenty (20) portable fire extinguishers mounted in accessible places
10. Smoke detector's
11. Boat hook
12. Bell 8"

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equipment without written notice  
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