



NorthStar 105 Tri-deck Motoryacht

Naval architect	Jack Sarin
Length overall	105'0"
Length at waterline	92'0"
Beam	25'0"
Draft	6'1"
Displacement	290,000 lbs
Fuel	5,300 gals
Water	800 gals
Holding tank	510 gals
Berthing Accommodations	6 Staterooms with heads
Crew Accommodations	2 Staterooms, shared head

CONSTRUCTION

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

1. Twin MTU 2000hp; 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

PLUMBING

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

ELECTRICAL

1. Northern Lights generators, shielded; two (2) 55kw
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. Two (2) 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

ELECTRONICS

An \$110,000.00 electronics budget is provided so that specific equipment may be selected to owner's choice.

PIOLTHOUSE

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. Side deck pilothouse doors to wing stations

SKY LOUNGE

1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Sofa & love seat with cocktail table
6. One (1) barrel chairs
7. Entertainment center with pop-up 42" flat screen TV with sat-receiver & surround sound
8. Service bar with wet sink, refrigerator/icemaker combo & dry storage
9. Office work station
10. Privacy blinds & window treatments
11. Stainless steel aft sliding door
12. Day head

SALON

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) sofa's with cocktail table
6. Two (2) barrel chairs
7. Entertainment center with pop-up 42" flat screen TV with sat-receiver, surround sound
8. Privacy blinds & window treatments
9. Stainless steel aft sliding door
10. Day head

DAY HEAD'S

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

FORMAL DINNING

1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Custom built dinning table with eight (8) dinning chairs
6. Lots of dry storage

GALLEY

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

RAISED DINNETTE

1. Raised settee with light weight granite table
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Amtico or similar flooring

BAR

1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Stone floor
4. Halogen lighting
5. Light weight granite counter top with under stainless steel sink
6. Refrigerator/icemaker combo
7. Four (4) bar stools

MASTER STATEROOM

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. Flat screen 30" TV with sat-receiver, DVD/CD player
10. Settee, custom built-in
11. Stainless steel port lights with screens
12. Cedar lined lockers

MASTER HEAD

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. Grohe shower system with designer towel bars & paper holders
9. Light weight granite counter top with Kohler under mount sink
10. Stainless steel port lights with screens
11. Stone flooring

VIP STATEROOM

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. Flat screen 20" TV with sat-receiver, DVD/CD player
10. Stainless steel port lights with screens
11. Cedar lined lockers

VIP HEAD

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. Grohe shower system with designer towel bars & paper holders
8. Stainless steel port lights with screens
9. Avonite counter top with Kohler under mount sink
10. Amtico or similar flooring

GUEST STATEROOM'S

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

GUEST HEAD'S

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. Grohe shower system with designer towel bars & paper holders

8. Stainless steel port lights with screens
9. Avonite counter top with Kohler under mount sink
10. Amtico or similar flooring

MAIN DECK FOYER

1. L Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Port & starboard aluminum doors to side deck
5. Coat locker
6. Stairs down to guest staterooms and up to pilothouse

LOWER FOYER

1. Light weight cherry cabinet
2. Vinyl headliner with whisper wall tracking
3. Quality carpet & pad
4. Halogen lighting
5. Linen wardrobe

CAPTAIN'S STATEROOM

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. Flat screen 20" flat screen TV with sat-receiver
8. Stainless steel port holes with screens

CREW HEAD

1. Light weight cherry cabinetry; other wood options available
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Vinyl wall-covering
5. Custom molded fiberglass shower
6. Sealand Vacuflush heads
7. Grohe shower system with designer towel bars & paper holders
8. Avonite counter top with Kohler under mount sink
9. Stainless steel port holes with screens
10. Amtico or similar flooring

CREW'S STATEROOM

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. Two single berth's with inner spring mattress
6. Stainless steel port hole with screens
7. Flat screen 20" flat screen TV with sat-receiver

CREW'S GALLEY & LOUNGE

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

EXTERIOR FEATURES & HARDWARE (MAIN DECK)

1. Windows tempered safety glass, 3/8" tinted on deck sides with 1/2" clear on front windshields
2. All 316L stainless steel exterior hardware
3. Hawse cleats, bow, quarter & aft
4. Side rails: 1 1/2" cap with 1 1/4" stations 316L stainless steel
5. Stainless steel rectangular port holes with screens
6. Fresh water outlet fore and aft
7. Foredeck fender lockers
8. Foredeck seating
9. Deck lighting
10. Deck surface is a low maintenance gel-coat non-skid stipple finish
11. Pop-up tender cleats on swim step

FLYBRIDGE

1. Control console with full controls and gauges including engine alarms with weather cover
2. Lexan venturi wind screen
3. Two (2) Pompanette helm seat's with weather covers
4. L shaped settees, port and starboard with Avonite tables & weather covers
5. Radar arch, aluminum with mast for electronics
6. Halogen deck lights

7. Stairs with teak treads leading down to boat deck
8. Deck surface is a low maintenance gel-coat non-skid stipple finish

BOAT DECK

1. Nick Jackson 2,500# electro/hydraulic boat davit, lift and hoist
2. 15' Novurania with Yamaha 90hp with weather cover
3. Stairs with teak treads leading up to flybridge & down to aft deck
4. Deck surface is a low maintenance gel-coat non-skid stipple finish
5. All 316L 2" stainless steel handrails, loop style, removable sections for launching tender
6. Built in fiberglass cabinet with Jen-Air BBQ, refrigerator/icemaker combo & stainless steel sink
7. Deck surface is a low maintenance gel-coat non-skid stipple finish

FORE-DECK

1. Maxwell 6000 hydraulic anchor windlass with 210 lbs anchor and 300' 5/8" HT chain with Freeman access hatch to chain locker
2. Large foredeck with built-in settee
3. Side rails: 1 1/2" cap with 1 1/4" stations 316L stainless steel
4. Deck surface is a low maintenance gel-coat non-skid stipple finish
5. Fresh water outlet for wash down
6. Bollard cleat with haws rings

AFT DECK

1. Large built-in settee with teak tables & weather covers
2. Storage locker with refrigerator/icemaker combo
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

COCKPIT

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

SWIM PLATFORM

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

UTILITY ROOM

1. Light weight cabinetry
2. Vinyl headliner with whisper wall tracking
3. Halogen lighting
4. Vinyl wall-covering
5. Freezer, upright, GE
6. Stack washer/dryer GE
7. Avonite counter tops with wet sink
8. Durable rubber vinyl flooring
9. Opening s/s porthole with screen
10. Lots of dry storage

SAFETY AND MOORING

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"

NorthStar Yachts reserves the right to make changes to the specifications or equipment without written notice April 2006