

BERING B70-004

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1. Dimensions		
1-01	Length Overall (LOA):	70'3" (21.44 m)
1-02	Length On Deck (LOD)	69'5" 21.18 (m)
1-03	Waterline Length (LWL):	67' (20.42 m)
1-04	Beam	18'27" (5.57 m)
1-05	Bridge Clearance	22" (6.70 m)
1-06	Displacement (FULL LOAD)	140,000 lbs (70 metric T)
1-07	Draft (FULL LOAD)	4'10" (1.3 m)
1-08	Cruise Speed	9 knots
1-09	Maximum Speed	12 knots
1-10	Active Stabilization	Seakeeper M16
1-11	Twin Engines	Cummins QSB – 6.7
1-12	Bow Thruster	Side Power 528lbs
1-13	Stern Thruster	Side-Power 528lbs
1-14	Watertight Bulkheads	4
1-15	Fuel	1,262 gal (4,780 L)
1-16	Water	245 gal (930 L)
1-17	Gray Water	140 gal (530 L)
1-18	Black Water	140 gal (530 L)
1-19	Range	2,500 + nautical miles

2. Hull	
2-01	Hull made of marine steel A-36. Bottom plates and integrated tanks sides - 6mm, hull sides - 6mm. Superstructure, flybridge and mast are made of fiberglass.
2-02	The hull is divided by four watertight bulkheads creating five compartments.
2-03	All steel bulkheads are acoustically and thermally insulated.
2-04	Hull below the water line painted with three layers of Teknomarin antifouling paint.
2-05	Alexseal paint for Hull and Superstructure
2-06	Yacht quality fairing above the waterline with Alexseal paint finish.
2-07	All watertight bulkheads are made of reinforced steel, with sound and thermal insulation per Bering Yachts drawings.
2-08	All the interior steel surfaces of the vessel are treated with epoxy primer after thorough surface preparation.
2-09	Appropriate zinc plates installed for galvanic protection.

3. Engines	
3-01	(2) Cummins QSB - 6.7- 305 HP marine diesels, M2 rated. Combined total power of 610 HP. Glendinning EEC4 electronic engine controls pilot house and flybridge. Dual engine color display in the in pilot house and flybridge
3-02	(2) ZF 280-1 A marine transmissions with 2,5:1 reduction gear.
3-03	(2) Dia. 60mm duplex quality shafts.
3-04	(2) Five blade 30/30 propellers
3-05	(2) Sea water intake with Groco strainers for engines.
3-06	Reverso GP-3014-24 (4 valves 24V) oil change system for engines.
3-07	Reverso GP-3012-24 (2 valves 24V) oil change system for gear boxes.
3-08	(2) Racor 75/1000 dual fuel filters for the main engines.
3-09	(2) Groco sea water strainers for main engines cooling system.
3-10	(3) Reverso fuel manifolds.
3-11	(2) DeAngelo wet exhaust mixers. Exhaust outlets on portside of the hull.

4. Steering System	
4-01	(2) 6 square foot air foil steel rudders with 60mm diameter, stainless steel rudder stock mounted on rudder shoe bearings.
4-02	(1) Hydraulic Hidromarin HDM300 power steering, with emergency manual tiller. Power steering system contain: Hidromarin helm station, DC power steering unit, hydraulic cylinders.
4-03	Zinc anodes on rudders to ensure galvanic corrosion protection.

5. Mooring System	
5-01	(2) 80 Kg H -type stainless steel anchors. Fitted using 316 stainless steel pockets - port and starboard.
5-02	Divided chain locker with drains overboard.
5-03	125m of 14mm zinc coated anchor chain per side. Rated for high working loads.
5-04	316 polished stainless steel bow protection plate.
5-05	(2) Electric anchor winches, Quick 24 V/3500, 14mm, with electric motor, with foot switches, two chain stoppers/rollers.
5-06	(2) Quick Capstan Windlass 800W, 24V
5-07	(6) 12" Heavy duty stainless steel bollards installed on bow and aft deck on each side of the boat. (4) Stainless steel cleat/chocks 12" for fore and mid ship docking lines placed on the bulwark forward and midship. All mooring components are polished stainless steel with chafe guards.
5-08	Side Power electric bow and stern thrusters SEP240/300TC THRUSTER 24V, 15 HP, 11.4kw equipped with proportional control joysticks .

6. Electrical system	
6-01	a. Main features
6-02	Entire AC and DC electrical system designed and installed in compliance with CE electrical standards.
6-03	50 Hz 220V AC power standard.

6-04	24V DC power standard.
6-05	Primary distribution 220V AC and 24 V DC electrical panels, inverters, battery chargers, batteries and battery management panels are located in the engine room.
6-06	Secondary 220VAC, 24VDC and 12VDC panels are located in the pilot house and salon.
6-07	All wires are labeled at each end.
6-08	All wire connections are properly insulated.
6-09	All electrical hardware is bonded to the hull.
6-10	Dedicated circuit breaker for each circuit
6-11	b. Power source
6-12	GENERATORS
6-13	(1) Onan 22.5 kW 230V 50Hz four cylinder generators enclosed in sound shields installed in engine room.
6-14	(1) Onan 13.5 kW 230V 50Hz four cylinder generators enclosed in sound shields installed in engine room.
6-15	(2) Sea water intake with Groco strainers for generators.
6-16	Both generators have digital display controls in saloon.
6-17	Both generators have automatic safety shutdowns with fault indicators.
6-18	(2) Racor 1000 fuel filters with 30 micron elements.
6-19	ALTERNATORS
6-20	(2) 60 A alternators on the main engines for charging starting battery bank under way.
6-21	SHORE POWER
6-22	Shore power receptacle 50 A, 230 V.
6-23	(1) 50 Amp shore power breaker box.
6-24	INVERTERS
6-25	(2) Victron Multiplus 24/5000/120-100 inverter-charger, 50Hz
6-26	BATTERIES
6-27	High quality Victron AGM type, deep cycle, 12V DC batteries
6-28	(2) 230 A/h Victron AGM batteries for the engines and generators start. Connected in series for 24 VDC.
6-29	(8) 230 A/h Victron batteries for house system and nav/com electronics.
6-30	(4) 230 A/h Victron batteries for Bow thruster and anchor winches.
6-31	(1) Victron 24/60 charger for bow thruster and anchor winches.
6-32	(1) Victron 24/30 charger for stern thruster with starting batteries emergency parallel
6-33	All starting batteries charged by engine or generator driven alternators
6-34	House batteries charged by generator and/or shore power.
6-35	Battery cut-off switches located in the engine room.
6-36	
6-37	c. Lighting system and power outlets
6-38	All interior lights are 24VDC LED.
6-39	Exterior lights (LED) are waterproof to IP-67 standards.
6-40	(9) 24VDC halogen deck flood lights mounted forward, aft and sides.
6-41	(2) 24VDC, LED flood lights facing mast.
6-42	LED rope lights and courtesy lights for selected areas
6-43	(4) LED lights for engine room 60 W each
6-44	(2) 220 V AC fluorescent lights for the engine room
6-45	(1) Jabsco Search light 24V
6-46	
6-47	d. Controls and alarms
6-48	(2) Onan generators digital LCD displays mounted on salon electrical panel, each with start/stop button.
6-49	(2) Glenninning twin engine throttle controls in pilothouse and flybridge.
6-50	Cummins engine 7" color monitors mounted on pilothouse dash.
6-51	Cummins engine 7" color monitors mounted on flybridge dash.
6-52	Racor fuel filters have pressure gauges.
6-53	(2) Hidromarin manual hydraulic steering pump in the pilothouse and on the flybridge.
6-54	All electric bilge pumps have manual/auto rocker switches.
6-55	Bilge pump system display panel with "ON" indicators with bilge pump and high water sensor audible alarms.

6-56	(3) Exalto windshield wiper controls in pilothouse.
6-57	Exalto windshield washdown control in the pilothouse.
6-58	Search light switch with remote controls in the pilothouse
6-59	Dual trumpet marine horn switch in the pilothouse and on the flybridge.
6-60	(3) Furuno analog fuel tank level gauges and (2) visual fuel gauges on each day tank.
6-61	Furuno analog level gauge for fresh water tank.
6-62	Furuno analog gray water tank level gauge.
6-63	Furuno analog black water tank level gauge.
6-64	Fireboy FR-1000 engine room smoke alarm system with one monitor.
6-65	Fireboy Xintex fire fighting system in engine room.
6-66	Solar System
6-67	Victron Solar system 1,500W 24V (10 m2).
6-66	
7. Navigation Electronics	
7-01	Furuno TZ touch – TZTBB electronic system
7-02	(2) Furuno TZTBB black box
7-03	(2) 19" Asus monitors in pilot house
7-04	(1) 19" Hatteland marine monitor in flybridge
7-05	(3) FI70 Furuno Color LCD display
7-06	(1) Furuno XN 12A 12 KW open array radar antenna.
7-07	(1) Furuno GP 330B GPS receiver and sensor
7-08	(1) Furuno SC30 Satellite compass
7-09	(1) Sailor SE406-II EPIRB Class A
7-10	(1) Furuno thru-hull transducer
7-11	(1) Furuno FA 50 AIS Class B Transponder
7-12	Furuno NAV711C autopilot with computer heads in the pilot house and fly bridge
7-13	(3) VHF antennas
7-14	(1) Color camera in the engine room
7-15	(1) Color camera on the mast , looking aft
7-16	(2) Icom VHF radio model M506-41 (Rear Mic), compliant to new FCC Class D DSC.
7-17	(1) Icom HM-195 VHF remote microphone for flybridge
7-18	(1) Airmar 220WX Weather station
7-19	
8. Fire alarm and safety system	
8-01	Fireboy FR-1000 safety alarm monitor located in the pilot house.
8-02	(7) Independent smoke detector with alarm in each cabin.
8-03	Fireboy Xintex automatic deployment fire suppression canisters in the engine room.
8-04	Remote control pull handle for manual deployment of Fireboy system in engine room.
8-05	Fireboy system includes automatic shut off for engines, generators and air blowers.
8-06	
9. Bilge pump system	
9-01	(10) Johnson 2,200 gallons/hour bilge pumps.
9-02	Each bilge has an Ultra SR automatic high water alarm bilge pump switch installed.
9-03	Vented loops, MF 839-1-1/4", on bilge pump discharge hoses.
9-04	Bilge pump system display panel with "ON" indicators with bilge pump and high water sensors audible alarms.
9-05	
10. Fuel system	
10-01	(2) Main fuel tanks. Total 956 gal (3,620 L)
10-02	(2) "Day Tank" fuel tanks. Total capacity 306 gal/ 1,160 liters
10-03	(4) 1" ventilation hose for each tank.
10-04	Furuno fuel level sentry four tanks monitor with analog sensor in each main fuel tank. Visual fuel gauges on two main tanks.
10-05	Reverso MA-6 fuel intake manifold with Parker 1/2" fuel hoses.
10-06	Reverso MA-6 fuel outflow manifold with Parker 1/2" fuel hoses.
10-07	Reverso MA-4 aluminum fuel feed manifold with 1/2" valves and Parker fuel hoses to each engine and generator.

10-08	Reverso fuel polishing and transfer system - 210 GPH, Series - 'S' Class, marine version, 7 day digital timer, with fuel conditioner.
10-09	Central fueling station with stainless steel pipe connections and Trident 2" hoses for the 2 main tanks.
10-10	Day tanks provide fuel feed for all engines and generators.
10-11	Cummins engines equipped with Racor 75/1000 dual filter/separators using 30 micron filter elements and including vacuum pressure gauges.
10-12	Onan generators equipped with Racor 1000 fuel filter/separators using 30 micron filter elements and including vacuum pressure gauges.
10-13	

11. Fresh water system

11-01	Built-in 264 gallons/1,000 liters fresh water tank. Steel construction with baffles and inspection plate, coated with FDA approved enamel.
11-02	1" water tank ventilation hose.
11-03	Fresh water tank includes inspection hatch, shut-off valves, and 1 1/2" hose water fill.
11-04	(2) Jabsco fresh water pumps 24V, 6 gallons per minute.
11-05	Reverso MA-6 cold water manifold with valves.
11-06	Reverso MA-6 hot water manifold with valves.
11-07	PPR piping for fresh water lines.
11-08	(2) Raritan 20 gallons marine water heaters.
11-09	Pontoon HP SC 140V water maker 2,000 L per day.

12. Black and gray water systems

12-01	Furuno level control system
12-02	Dometic discharge operating system
12-03	140 gallons/530 liters integrated gray water enamel coated steel tank with Furuno level indicator. Overboard pump.
12-04	140 gallons/530 liters integrated black water enamel coated steel tank with Furuno level indicator. Overboard pump.
12-05	1" ventilation hoses for each tank - Gray water and Black water. One vent on each side of the boat for cross flow circulation.
12-06	UPVC piping (D40mm) for Black water plumbing lines.

13. Sea water system

13-01	Engines and generators are sea water cooled with stainless steel sea cocks and Groco strainers.
13-02	(2) Sea chests 490X450 mm. integrated to the hull. Located in the engine room.
13-03	Sea water intake with Groco sea water intakes for engines, generators, air conditioning and water maker.
13-04	All through hull fittings and sea cocks are stainless steel.
13-05	All sea waterlines are made of flexible hoses rated for salt water.

14. Air-conditioning, heating, ventilation systems

14-01	Central chilled water system – total capacity 50,000 BTU with reverse cycle heating.
14-02	Air conditioning units: Saloon - 24,000 BTU (2x12,000 BTU); Pilot House/Galley - 12,000 BTU; Master Staterooms - 12,000 BTU; Guest Staterooms VIP - 9,000; Guest Staterooms (Port) - 9,000 BTU. Bow Crew - selfcontained chiller unit 6,000 BTU
14-03	(2) Independent exhaust ventilation systems from heads - two on Starboard side and the other on the Port side using (3) MSI QuiteVent fans FC-3-24, 3" inlet and outlet, 24VDC.
14-04	Engine room both feature intake and outflow blowers. (2) CEM fans, 24VDC.

15. Insulation

15-01	Engine room insulated with 50mm rockwool insulation per Bering Yachts drawings
15-02	Dampaste sound and vibration insulation is used for engine room and fore bulkheads.

15-03	Stainless steel perforated panel for ceiling and walls in the engine room
15-04	Engine exhaust pipes wrapped and finished with carbon fiber covers.
15-05	Sound insulation between the engine room and living quarters per Bering Yachts drawings
15-06	All bulkheads, ceiling, hull sides have acoustic and thermal insulation.

16. Outfitting	
16-01	a. Flybridge
16-02	Teak deck.
16-03	Fiberglass dash console.
16-04	19" Hatteland monitor with Furuno TZTBB remote control
16-05	Cummins 7" dual engine monitor
16-06	Furuno IF 70 multipurpose display
16-07	Glendinning engine control
16-08	Side power stern thruster control
16-09	Buell horn button
16-10	20" diameter stainless steel destroyer steering wheel.
16-11	Llebrock helm chair with white leather and folding foot rest.
16-12	Scupper drains for rapid evacuation of water overboard.
16-13	Fiberglass molded-in settees with storage beneath.
16-14	(1) Table in front of settees.
16-15	Fiberglass built-in sink with faucet.
16-16	(1) Barbeque grill electrical
16-17	(1) Isotherm Refrigerator installed in drawer
16-18	(1) Isotherm Freezer installed in drawer
16-19	(1) SteelHead ES1000 hydraulic davit 450 kg capacity
16-20	Custom fabricated stainless steel socket dinghy cradle.
16-21	Stylized FRP mast to support and mount navigation antennas, radar arrays, communication domes and lights.
16-22	(19) LED flood lights mounted aft, forward and sides (TBD)
16-23	(2) LED flood lights facing mast (TBD)
16-24	LED courtesy lighting along walk way.
16-25	LED Ceiling lights.
16-26	Dual trumpet air horn.
16-27	Hella NaviLED navigation lights.
16-28	Hella NaviLED Anchor lights.
16-29	Bering 70 name insignia signs mounted on both sides of the flybridge.
16-30	Steelhead ES-1500 four function hydraulic yacht crane with 12' reach and 1,500 lbs. lifting capacity with remote control.
16-31	SS dinghy's cradle with tie down securing straps.
16-32	Dinghy
16-33	Fresh water hose bib for wash down.
16-34	(2) 8 person life rafts installed, one to port, one to starboard.
16-35	b. Bow deck
16-36	Teak deck
16-37	44" high stainless steel 2" safety rails.
16-38	66" tall 1.5" diameter stainless steel ensign staff.
16-39	Fresh water hose bib for wash down.
16-40	Flush deck FRP hatch (490 x 490) access to bow crew cabin.
16-41	Flush deck FRP hatch (400 x 400) access to chain locker.
16-42	(2) Quick 3500 electrical winches with on deck foot switches. Dual chain stoppers. Stainless steel, grooved bow rollers.
16-43	(4) Heavy duty stainless steel bollards.
16-44	(4) Chock / cleat on the bulwark
16-45	c. Main deck
16-46	Teak deck.
16-47	44" high stainless steel 2" safety rails.
16-48	(2) Stainless steel chock cleats on the bulwark on each side of the boat.

16-49	Vents for all fuel tanks and fresh, gray, black water tanks.
16-50	Central fueling station located at cabinet in the cockpit
16-51	Deck fill for fresh water tank on starboard side.
16-52	Gray and black water pump-out station on port side.
16-53	Fresh water hose bib for wash down.
16-54	Cushioned settee in the cockpit.
16-55	Portside and starboard gates at the cockpit
16-56	Courtesy lights.
16-57	Passerelle Opacmare 1141/35
16-58	600x600 hatch to the engine room.
16-59	d. Swim platform
16-60	Teak deck.
16-61	Access from swim platform to cockpit via starboard stairs .
16-62	Hot/cold transom shower.
16-63	(4) 12" stainless steel fold-down cleats.
16-64	
17. Interior	
17-01	a. Pilothouse
17-02	Owner's choice of 1/2" thick engineered wood flooring.
17-03	Custom painted interiors
17-04	(2) Bofor aluminum weathertight doors - port and starboard.
17-05	Side windows are tinted glass with pleated window blinds.
17-06	Owner's choice of upholstery covered overhead panels.
17-07	All overhead lights are dimmable.
17-08	Array of red LED lights above the dash console.
17-09	LED courtesy lights.
17-10	The dash console is covered with leather
17-11	Dash console comprises efficient layout of all the vessel electronics and machinery controls.
17-12	20" diameter stainless steel destroyer steering wheel.
17-13	Built-in leather upholstered helm bench settee for two people.
17-14	Staircase to Forward VIP stateroom on lower deck.
17-15	Vimar electrical outlets.
17-16	12,000 BTU air conditioning unit.
17-17	Wood overhead louvers for air conditioning.
17-18	Independent smoke alarm sensor.
17-19	Fire extinguisher.
17-20	
17-21	b. Saloon and Galley
17-22	Owner's choice of 1/2" thick engineered wood flooring.
17-23	Custom colour lacquered interiors
17-24	Bofor weathertight French door to aft deck.
17-25	Staircase to lower deck.
17-26	Tinted 19 mm windows with pleated window blinds.
17-27	Owner's choice of upholstery covered overhead panels.
17-28	Dimmable overhead lights.
17-29	LED kickboard lights below the sink and oven.
17-30	LED courtesy lights.
17-31	Built-in wood cabinetry for media center featuring a wood with frame for 40" flat screen LCD TV
17-32	Samsung 40" flat screen LCD TV
17-33	Built-in L-shaped settee on port side (with storage lockers under).
17-34	Coffee table in front of the settee.
17-35	Corian/Granite counter tops in galley.
17-36	Abundant storage lockers and drawers for storing dishes and galley ware.
17-37	Bosch Electric cooktop.
17-38	Stainless steel basin sink with garbage disposal, pull out retractable stainless steel rinsing faucet.
17-39	Bosch Dish drawer.
17-40	Bosch Electric oven with built in microwave

17-41	Isotherm freezer
17-42	Isotherm refrigerator
17-43	
17-44	Samsung Combo Washer and Dryer.
17-45	Vimar electrical outlets.
17-46	2 x 12,000 BTU air conditioning units.
17-47	Wood overhead louvers for air conditioning.
17-48	Independent smoke alarm sensor.
17-49	Fire extinguisher.
17-50	
17-51	c. Companionway lower deck
17-52	Owner's choice of 1/2" thick engineered wood flooring.
17-53	Custom colour lacquered interiors
17-54	Owner's choice of upholstery covered overhead panels.
17-55	Watertight doors to master staterooms and engine room.
17-56	Hatches to bilge compartment.
17-57	Storage cabinets.
17-58	All overhead lights are LED.
17-59	LED courtesy lights.
17-60	Independent smoke alarm sensor.
17-61	Fireboy CMD-4MR CO alarm.
17-62	
17-63	d. Master stateroom
17-64	Owner's choice of 1/2" thick engineered wood flooring.
17-65	Custom colour lacquered interiors
17-66	Watertight door to the companionway.
17-67	Mirror on the entry door.
17-68	Pleated window blinds are covering windows on both sides.
17-69	Owner's choice of upholstery covered overhead panels.
17-70	All overhead lights are dimmable.
17-71	LED courtesy lights.
17-72	(2) LED reading lights over the bed.
17-73	Queen-size bed.
17-74	Large wardrobe.
17-75	Night stands with drawers.
17-76	Built-in settee in front of the bed.
17-77	Vimar electrical outlets.
17-78	Air conditioning unit - 18,000 BTU.
17-79	Wood overhead louvers for air conditioning.
17-80	Independent smoke alarm sensor.
17-81	Fireboy CMD-4MR CO alarm.
17-82	Fire extinguisher.
17-83	
17-84	e. Master head
17-85	Ceramic tile floors
17-86	Wall panels are lacquered panels
17-87	Overhead panels are lacquered panels.
17-88	All overhead lights are LED.
17-89	Vanity with Corian countertop.
17-90	Ceramic sink with SS faucet.
17-91	Mirrors above the vanity.
17-92	Shower cabin with glass door.
17-93	SS shower.
17-94	Drawer for shampoo, towels, etc.
17-95	SeaLand (Dometic) MasterFlush 8700 electrical fresh water toilet.
17-96	Vimar multiple duplex electrical outlets GFCI.
17-97	Electric towel dryer.
17-98	Exhaust ventilation.
17-99	Independent smoke alarm sensor.

17-100	Escape hatch 380x500
17-101	f. Forward VIP stateroom
17-102	Owner's choice of 1/2" thick engineered wood flooring.
17-103	Custom colour lacquered interiors
17-104	Pleated window blinds are covering windows on both sides.
17-105	Owner's choice of upholstery covered overhead panels.
17-106	All overhead lights are dimmable.
17-107	LED courtesy lights.
17-108	LED reading lights.
17-109	Queen size bed.
17-110	Wardrobe with mirror on inside door.
17-111	Vimar electrical outlets.
17-112	12,000 BTU air conditioning unit.
17-113	Wood overhead louvers for air conditioning.
17-114	Independent smoke alarm sensor.
17-115	Fireboy CMD-4MR CO alarm .
17-116	Fire extinguisher.
17-117	
17-118	g. VIP head
17-119	Ceramic tile floors
17-120	Wall panels are lacquered panels
17-121	Overhead panels are lacquered panels.
17-122	Deadlight with pleated window blinds.
17-123	All overhead lights are LED.
17-124	LED courtesy lights.
17-125	Vanity with Corian countertop.
17-126	Ceramic sink with SS faucet.
17-127	Mirrors above the vanity.
17-128	Shower cabin with glass door.
17-129	SS shower.
17-130	Drawer for shampoo, towels, etc.
17-131	SeaLand (Dometic) MasterFlush 8700 electrical fresh water toilet.
17-132	Vimar multiple duplex electrical outlets GFCI.
17-133	Electric towel dryer.
17-134	Exhaust ventilation.
17-135	Independent smoke alarm sensor.
17-136	Escape hatch 380x500
17-137	h. Port guest stateroom
17-138	Owner's choice of 1/2" thick engineered wood flooring.
17-139	Custom colour lacquered interiors
17-140	Pleated window blinds are covering window on the port side.
17-141	Owner's choice of upholstery covered overhead panels.
17-142	All overhead lights are dimmable.
17-143	LED courtesy lights.
17-144	LED reading lights.
17-145	Double size bed.
17-146	Storage lockers under bed.
17-147	Bunk bed.
17-148	Large wardrobe with mirror on inside door.
17-149	Desk under window.
17-150	Vimar electrical outlets.
17-151	9,000 BTU air conditioning unit.
17-152	Wood overhead louvers for air conditioning.
17-153	Independent smoke alarm sensor.
17-154	Fireboy CMD-4MR CO alarm .
17-155	Fire extinguisher.
17-156	
17-157	i. Port guest stateroom head.
17-158	Ceramic tile floors

17-159	Wall panels are lacquered panels
17-160	Overhead panels are lacquered panels.
17-161	All overhead lights are LED.
17-162	LED courtesy lights.
17-163	Vanity with Corian countertop.
17-164	Ceramic sink with SS faucet.
17-165	Mirrors above the vanity.
17-166	SS shower.
17-167	Drawer for shampoo, towels, etc.
17-168	SeaLand (Dometic) MasterFlush 8700 electrical fresh water toilet with bidet.
17-169	Vimar multiple duplex electrical outlets GFCI.
17-170	Exhaust ventilation.
17-171	Independent smoke alarm sensor.
17-172	
17-173	j. Bow crew cabin
17-174	Vetus electrical fresh water toilet with bidet
17-175	Webasto 6,000 BTU selfcontained air conditioning unit.
17-176	Half size bed
17-177	Wall panels are plastic panels
17-178	Intake ventilation.
17-179	Exhaust ventilation.
17-180	Vimar multiple duplex electrical outlets GFCI.
17-181	Independent smoke alarm sensor.
	18. Miscellaneous
18-01	CE certificate class "A".
18-02	Owner's manual.
18-03	Set of warranty certificates.
18-04	Set of material and equipment manuals, certificates.
18-05	Tool box.
18-06	Spare parts provided by manufacturers of equipment.