

## Granocean Luxury Yacht W-68 Power Catamaran Specifications

Length Overall	22.0 M	72.0 Ft.
Length Waterline	19.8 M	65.0 Ft.
Beam	10.0 M	32.8 Ft.
Draft	1.30 M	4.27 Ft.
Displacement (Light)	45 Tons	99,208 Lbs
Displacement (Heavy)	52 Tons	114,640 Lbs
Fuel Capacity (Standard)	5,000 Liters	1,320 US gallons
Fuel Capacity (Long Range)	8,000 Liters	2,113 US gallons
Water Capacity	1,000 Liters	264 US gallons
Engines	2 x Cummins 425HP Diesel Engine (Standard) 2 x Cummins 715HP Diesel Engine (Option) 2 x CAT 1135HP Diesel Engine (Option) 2 x Volvo Penta IPS 600, 950, 1200 (Option)	
Naval Architect	Howard Apollonio	
Structure Designer	Gurit SP/ High Modulus	
Boat Category	CE Category A	

## **Structure**

1. Hull lamination according to EN ISO 12215-5 structure standard
2. Built in accordance with HPI Verification services
3. Composite fiberglass infused hull & deck
4. Hull, deck & superstructure built of light weight fiberglass composite with closed cell PVC foam/honey comb as core material
5. Interior structural components all properly bonded to hull & deck

## **Hull & Deck Exterior General**

1. White gel coat on all superstructure and hull (Option: colored gelcoat / painted hull)
2. International Interlux antifouling paint
3. Main deck non skid deck (Option: teak decking or Flexiteek PVC teak decking)
4. Electric windlass Lewmar V6 24V with chain counter & footswitches
5. One 80kg stainless steel Delta anchor fitting at bow with chain stopper
6. 100m 13mm din 766 galvanized anchor chain
7. 316 stainless steel safety stainless steel handrails throughout
8. Anchor bridle with shackle & pad eyes fitted
9. Eight (8) heavy duty 12" 316L stainless steel cleats
10. Two (2) pop-up 6" 316L stainless steel cleats on transom platform
11. One stainless steel Sampson post at bow
12. One stainless steel two ring at transom
13. Eight (8) fender locks
14. Double layer tinted safety glass windows
15. Two (2) Lewmar large low profile deck hatch
16. Fixed large portlights with safety glass fitted
17. Six (6) Lewmar flush openable portlights
18. Two (2) Vetus escape hatch underside
19. Wide opening triple stainless steel sliding doors to salon
20. Stainless steel rub rail along transom
21. Freshwater deck wash-down
22. Dual freshwater & seawater anchor chain wash down
23. Two (2) Whale transom shower with hot/cold water
24. Stainless steel folding swimming ladder
25. Two zinc anodes on transom for bonding system
26. Two (2) stainless steel deck water fillers
27. Two (2) stainless steel deck fuel fillers
28. Two (2) stainless steel deck waste pump outs
29. Stainless steel flag post on flybridge
30. 316 stainless steel thru hull fittings above waterline
31. Bronze through-hull fittings below waterline

32. Boat name in custom designed 316L stainless steel
33. Soffkin Marine vinyl exterior upholstery
34. Mooring kit includes six (6) fenders and five (5) 24mm Moorings lines
35. (Option: Upgrade exterior upholstery to Sunbrella)
36. (Option: Upgrade exterior upholstery to Ultraleather)

### **Cockpit**

1. Covered aft deck with overhead lights
2. Large C-shaped flip-able backrest settee with Soffkin Kalmin marine vinyl cushions
3. Two (2) Teak cockpit dining tables
4. L-shaped settee with Soffkin Kalmin marine vinyl cushions
5. Teak coffee table
6. Storage under seating
7. Watertight engine access hatches
8. Custom shoe/sandal storage locker
9. Storage lockers on deck
10. Teak grate at entry to salon
11. Day Head below molded staircase
12. Molded Staircase with teak steps to flybridge
13. LED Courtesy floor lighting throughout
14. LED Flood lights for transom platform
15. Vimar water-proof sockets
16. Two (2) waterproof Fusion FR6021 6 inch speakers connected to inside helm stereo
17. (Option: Vitrifrigo undercounter fridge in cockpit storage)
18. (Option: Kenyon Electric BBQ)
19. (Option: Tenderlift transom hydraulic platform 650kg or 900kg)

### **Foredeck**

1. Weathertight door built to CE Area IIA to bow lounge
2. Two (2) large sunbathing L shape settee with Soffkin Kalmin marine vinyl cushions
3. Cup holders integrated into settee
4. Anchor chain locker
5. Insulated icebox locker under settee
6. Two large fender lockers under deck
7. Two (2) waterproof Fusion FR6021 6 inch speakers connected to inside helm stereo
8. Vimar water-proof sockets
9. (Option: Two (2) Quick pop-up lights next to sunpads)
10. (Option: Vitrifrigo undercounter fridge under settee)
11. (Option: Jacuzzi)

### **Flybridge**

1. Molded stairs with teak steps to flybridge with SS handrail
2. Hatch cover over staircase opening
3. Hard top covered flybridge with LED overhead lights
4. Wet bar including Corian top with built-in sink, tap
5. Large C-shaped settee with Soffkin Kalmin marine vinyl cushion and storage underneath
6. Two (2) Teak dining tables
7. Helm with double seats complete with steering, throttle, VHF and chart-plotter
8. Acrylic windshield
9. Sun lounges with Soffkin Kalmin marine vinyl cushions next to helm
10. Large storage locker
11. Vimar water-proof sockets
12. LED Courtesy floor lighting throughout
13. Instrument mast on hard top
14. Two (2) waterproof Fusion DR6021 6 inch speakers connected to inside helm stereo with separate volume controller
15. (Option: Vitrifrigo Undercounter fridge)
16. (Option: Four (4) sun loungers)
17. (Option: Kenyon Electric BBQ grill)
18. (Option: Besenzoni flybridge extendable hydraulic crane 500kg)
19. (Option: Solar Panels on hardtop max total 2000W together with battery upgrade)

### **Upper Deck Option: Enclosed Flybridge Version**

1. Enclosed Flybridge with 16k BTU Cruisair air conditioning equipped
2. Two (2) helm chairs
3. Two (2) three person settee with soffkin marine vinyl cushion
4. Teak coffee table
5. Wide open stainless steel sliding door to aft upper deck
6. Head with Tecma toilet, sink & shower
7. (Option: 32 inch TV with TV lift)

### **General Interior Finishes**

1. General interior finishing to be in soft vinyl leather and wooden veneer with satin finish
2. Furniture to be combination of solid wood and veneer with satin finish
3. Overhead finished in soft Soffkin vinyl leather panels
4. Composite non porous membrane flooring with non-slip stripes for staircases
5. Cedar wood for all hanging closet's backing panel
6. (Option: Hardwood floor throughout)
7. (Option: Removable custom shaped carpet in cabin areas)
8. Heads finished with gel coat with Corian countertops

9. High quality entrance chrome door lock and stainless steel cabinet door locks subjected to shipyard's standard selections
10. High quality Lamp interior hardware
11. DC LED ceiling and courtesy lighting throughout. Lighting fixtures subjected to shipyard's standard selections
12. Roll down shades for all cabins and heads
13. (Option: Genuine leather sofa cushions)
14. (Option: Granite tops with honeycomb backing (galley and heads))

### **Salon**

1. Panoramic view through large laminated fixed windows
2. Wide open triple stainless steel sliding salon doors
3. Roca windscreen wipers with spray wash, on/off/3 speeds function
4. Large C-shaped settee on stbd side
5. Two (2) coffee tables on port side
6. Dining tables on stbd side
7. Two (2) observation settee facing forward
8. 50 inch Samsung salon flip down or pop up TV subjected to final GA
9. Cabins access companionways with SS handrails
10. U-shaped Galley adjacent to cockpit on aft stbd side
11. Corian countertops with storage
12. Double Kohler stainless steel sinks
13. Siemens full height fridge and freezer unit
14. Siemens three burner electric convection cooktop
15. Siemens Extraction hood
16. Siemens Oven and microwave combination under counter
17. Fusion RA770 player entertainment system with two FR6021 6 inch Fusion speakers
18. (Option: Indoor helm with double seats complete with steering, throttle, VHF and chart-plotter)
19. (Options for appliances: Icemaker, washer/dryer combo, dishwasher)

### **Salon Layout Option: Full beam Master forward Version**

1. Queen size berth on starboard side
2. Forward door connected to foredeck
3. Observation L shape settees on portside
4. Head with Tecma toilet, sink & shower

### **Lower deck**

Standard Layout:

Portside

- i. Two VIP suites
- ii. Crew Cabin with head

Starboard Side

- i. Two VIP suites
- ii. One ensuite head and one shared head

5. Optional Layout: Four (4) standard VIP suites
6. Optional Layout: Four (4) guest cabins with two (2) crew cabins

### **All Staterooms (Subject to final choices of layout)**

1. Queen size berth (153cm x204cm)
2. Single or Hi-low bunks for crew cabin
3. Large closet with drawers and closed shelving
4. Vanity desk with seat and flip up mirror
5. Wall/reading LED lamps on both side of headboards
6. Pull-down blinds over portlights
7. (Option: Lewmar overhead deck hatches with shades and screens)
8. (Option: 32" LED Samsung TVs in cabins)

### **All Heads & Showers**

1. Corian counter tops with Kohler ceramics sinks (Double sinks for master suite, choice of top mount or undermount sinks)
2. Storage unit below counter
3. Separate shower compartment
4. Standard size Tecma toilets with electric freshwater flushed
5. Kohler faucet and shower unit
6. Chrome towel bars and toilet paper holders
7. Exhaust fan in all heads
8. Teak grates in all shower stalls
9. Mirrors above counter top

### **Engine & Equipment**

1. Two Cummins QSB 6.7 425hp 3300rpm inboard diesel engines with instrument panels & throttle at flybridge helm
2. Two (2) Hungshen four blade bronze propellers
3. Aqua 17 high tensile direct transmission shafts
4. Hydrive electrical hydraulic Steering system, compatible with autopilot system

5. Stainless steel emergency tillers
6. Fiberglass rudders with stainless steel shaft & reinforcement
7. Manship engine compartment ventilation natural intake of air with mechanical extraction of air
8. Engine room with sound insulation materials
9. Engine alarm system for low oil pressure and high water temperature
10. Cruisair air-conditioning system total 88,000 BTU (Salon with 48,000 BTU in total, lower deck with 20,000 BTU in total for each hull)
11. (Option: Spurs Rope cutter)
12. (Option: Two (2) Lewmar electric bow thruster 15HP)
13. (Option: Additional 16KBTU for enclosed flybridge version)
14. (Option: Docking station in cockpit)
15. (Option: Yacht Master wireless docking control system)

### **Plumbing**

1. Two (2) integral FRP fuel tanks total volume 5000L with electrical gauge (Option: Additional 3500L, total 8,000L fuel tanks)
2. Racor 500 series fuel filter/water separators for each engine
3. Diesel emergency shut off valve
4. Jabsco fuel transfer pumps between fuel tanks
5. Two (2) integral FRP water tanks total 1000L with electrical gauge
6. Two (2) 24V Electric Jabsco freshwater pump and pressure accumulator
7. Freshwater crossover back up system with control valves
8. Two (2) 80L Quick water heater
9. Two 72L PVC holding tanks
10. All black water discharge overboard directly from holding tank or pump-out from deck
11. Shower drain to greywater sump pump
12. Six (6) RULE#2000 electric bilge pumps with separate flow switches
13. One manual Jabsco bilge pump for emergency in each hull
14. (Optional: Two (2) Reverso 210GPH (795LPH) Fuel polishing system)
15. (Option: Schenker Watermaker 100L/h with commercial filters)

### **Electrical**

1. 24V/230V or 24V/110V electrical system
2. Kohler Generator set 20.5KW/50HZ/1PH or 21KW/60Hz/1PH, with sound guard, silencer, fuel filter & separator
3. (Option: 9 KW Kohler second night time generator)
4. (Option: Two (2) Kohler 12KW/50HZ/1PH with Decision Maker 3500 Paralleling system)
5. Wiring - marine cables approved by Lloyds and ABS
6. Czone NMEA 2000 network backbone system ready for connection to 3rd party navigation,

engine systems and other NMEA 2000 network equipment.

7. Batteries - house and engine starting
8. House: 6 deep cycle total 24V 1000AH
9. Two extra 24V 200AH batteries for electric windlass
10. Engine Start: 2 set 24V – 200 AH lead acid batteries
11. Generator start: 12V 120AH battery
12. Separate Victron chargers for starting batteries
13. Victron Quattro 24V/5000W/120A battery inverter/charger Combo
14. LED Lighting throughout 24V DC
15. 63 amp single phase shore power inlet with galvanic isolator
16. Power circuits protected by circuit fuse and breakers
17. Main AC/DC electrical distribution panels
18. 24V monitoring alarm panel
19. Electrical gauge with indicator at chart table
20. Electrical Vimar outlets located throughout including engine room
21. Electrolysis bonding system via copper strap
22. (Option: Four (4) Aqualuma underwater lights two at each stern)

### **Navigation & Electronics**

1. One (1) 4-1/2" Ritchie compass
2. One set of Hella navigation lights include head, stern, port, starboard & anchor
3. 12" Garmin navigation chart plotter at main helm (Option: upgrade size to 16" and/or dual plotters)
4. Garmin 20nm-36nm Radome
5. Garmin depth/speed/fishfinder combo transducer
6. Garmin VHF
7. Garmin Autopilot
8. Garmin Wind Meter
9. Two (2) rudder indicators
10. Roca Wiper system
11. Engine console with all gauges
12. Jabsco remote control searchlight
13. Marco single stainless steel ship horn
14. (Option: Garmin Fishfinder)
15. (Option: Garmin AIS)
16. (Option: Garmin CCTV cameras in engine rooms / cockpit / flybridge)
17. (Option: Other choice of Navigation system)



## **Safety**

1. Automatic Seafire fire extinguishers in engine room
2. Hardwire Smoke/heat detectors
3. High water alarm in all water-tight bilge area
4. Engine & generator with high water temp/ low oil pressure alarm
5. Fuel shut-off valve fitted with additional control outside of engine space
6. Portable CE approved 2kg fire extinguishers throughout
7. Twelve (12) ISO Life Jackets
8. (Option: Plastimo Cruiser Standard Liferaft - Canister - 6 Person)