



## HORIZON - PC52 CATAMARAN MOTOR YACHT

2022 Standard Specification (USA)

Effective date: January 1st, 2022

### Principal dimensions (approximate):

◆ L.O.A.	:53'-2"	(16.21 m)
◆ L.W.L	:48'	(14.65 m)
◆ Beam	:22'	(6.75 m)
◆ Draft (half load)	:4'-5"	(1.35 m)
◆ Height (half load, W.L to hardtop)	:18'-5"	(5.63 m)
◆ Displacement (half load)	:73,418 lbs	(33.3 tons)
◆ Fuel	:960 US gal.	(3634 ltrs)
◆ Fresh water	:270 US gal.	(1022 ltrs.)
◆ Engines	:Twin Cummins QSB 6.7-550HP	
◆ Generator	:17 kW (60Hz)*1	

### A. Hull and Main Structure:

1. White Gelcoat finish for hull above water line, exterior deck, furniture and superstructure.
2. One-piece hull lamination and longitudinal girders
3. Hull is built with licensed process SCRIMP™ for improved strength and less weight.
4. High density foam cored construction bottom and topsides.
5. Solid fiberglass laminate stem, keel.
6. Main engine girders with high density foam coring
7. Deck & superstructure foam cored reinforcement for rigidity
8. International anti-fouling bottom paint, w/ anti-osmosis treatment

### B. Exterior Deck and Equipments:

#### Fitting

1. Nonskid main deck (option: teak deck)
2. Teak covered aft deck & steps (option).
3. Fiberglass cap rail.
4. S/S rub rail around hull deck joint.
5. Heavy-duty S/S #316 1-1/4" handrail w/1"( stanchions)
6. 10 mooring cleats on deck.
7. Flag staff on back of flybridge.
8. Fuel and water inlets.

#### Mooring System

9. Locker for 24V anchor windlass.
10. 50KG Stainless anchor.
11. 200ft of high tensile 3/8" chain and 100ft warp.



12. Roller for anchor.

#### **Doors, Hatches, Windows & Port Holes**

13. S/S sliding salon door.
14. Two bow storage lockers with access through flush FRP deck hatches.
15. 2 x deck hatches with blinds & screens.
16. Engine access through manual deck hatches in cockpit floor with manual struts.
17. Two large hull side frameless window.
18. Six oval portholes.

#### **Aft Deck Area**

19. FRP curved seat with cushions at aft deck.
20. Hi-gloss finished teak cockpit table.
21. Comfortable stairs from aft deck to flybridge.
22. Two steps down to dive/swim platform.
23. Cockpit lockers for storage.
24. 2 side boarding doors.
25. Second location bases for aft. deck table.
26. S/S transom door with Horizon Logo.
27. Dimmer switch for aft. deck ceiling lighting.
28. Pre-wire for stern LED nameplate.
29. Locks on 3x storage lockers on aft. deck.
30. FRP aft deck bar with basin, fridge, icemaker and overhead locker
31. Install OS five fishing rod holders
32. JL Audio 10" subwoofer\*1, FUSION Apollo Marine stereo with two 7" JL speakers on aft. deck and two 7" JL speakers on bow.

#### **Swim Platform Area**

33. Built-in shower with hot/cold water.
34. Manual swim ladder (x1).
35. S/S safety rail on swim platform

#### **Lights**

36. LED courtesy lights.
37. LED bulwark w/ flush mounted deck lights
38. LED ceiling lights.

39. LED white lights with 24VDC transformer for Horizon group logo in P&S.
40. Wiring for boat name on transom.
41. LED navigation lights.
42. Cockpit down lights.

#### **C. Flybridge:**

1. Non-skid flybridge cambered deck with ample drainage.
2. Helm station with stainless wheel and instrument console.
3. Single STIDD helm chair
4. FRP arch & Hardtop.
5. Wet bar package:
  - FRP module bar with sink, with hot and cold water.
  - DC fridge in bar.
6. FRP table with seating.
7. Sunning bed/ bench seat stbd. side of helm console with cushions.
8. Ample locker space for storage.
9. FUSION Apollo Marine stereo with four 7" JL speakers, amp and one 10" subwoofer.
10. Structure reinforcement & wiring for future O/S ES1000 installation
11. Dimmer switch for F/B ceiling lighting
12. Custom modify FB cabinet for OS BBQ with extra corian cover.
13. Air conditioning on Flybridge (2 outlets).
14. F/B bar upgrade from FRP to Corian top.
15. Add BLUESEA dual USB charger at P&S of console and one 110V outlet at helm.
16. Washdown faucet on F/B.
17. Drill the through deck/through metal plate holes (\*20) with OS template base for the crane installation, plus 20 proper size screws with nuts.

#### **D. Flybridge Instrument:**

1. Controls for ship's horn on F/B helm station.



2. Bilge pump monitor and control on F/B helm station.
3. Compass on F/B helm station.
4. Monitoring system for tanks (fuel, fresh water, black water)

#### **E. Engine Room and Equipments:**

1. Sound and heat insulated compartments
2. Moisture eliminators for P&S.
3. DC 24Volt lights.
4. One AC outlet.
5. Install fuel pump operation switch with solenoid valve in engine room.

#### **F. Electrical system:**

##### **General**

1. Color-coded wiring for easy identification.
2. Premium DC distribution board with switches, voltmeter and amp meter.
3. Outlets in salon/bar/galley/cabins/fly-bridge/aft deck/engine room.
4. Vimar switches for lights and electrical outlets.
5. Shipyard provides conduit at appointed 12 areas for future AV system installation in USA.

##### **AC/DC Main Power System**

6. AC power supply from generator / shore power.
7. Selector switch for AC power supply.
8. Remote panel for generator.
9. Four AGM 125A batteries for engine & generator start up.
10. Four AGM 4D 210Ah Lifeline Batteries for ship's service power.
11. BEP battery switch.
12. One battery charger for all batteries.
13. One inverter 3.0 KW.
14. Premium AC panel with switches
15. Smoke detector in each zone.

#### **Shore Power System**

16. Shore power connector 50amp inlet\*1 with one 75' cable master 50A.
17. Upgrade shore power breaker\*2 to ABB (DDA203 A S-63 + S203-C50) in lieu of std. Legrand.

#### **G. Mechanical system:**

##### **Fuel and Lube Oil System**

1. Racor filter for engines.
2. One oil change pump for engines, generator and gearboxes.
3. \*Extra fuel transfer pump.
4. \*New plastic sea cocks system, except engines. Change to two Sealand discharge pump in lieu of std. RULE
5. Add two plastic valves for Aircon. System strainer in afterward.

##### **Fresh Water System**

6. 270 gal water tank integral to hull.
7. Color coded piping for easy identification.
8. Marine grade lines for fresh water system
9. One 20 gal 220V water heater.
10. High volume 24V fresh water pump with accumulator tank.
11. Fresh water washdown for anchor.
12. Fresh water washdown on aft deck.
13. Built in port extra fuel tank with extra fuel transfer pump and gauge

##### **Sanitary System**

14. 2 x 50 gallon of holding tank integral to hull.
15. Headhunter fresh water Royal Flush Bravo marine toilet in Master and Espresso in VIP head with back-up fresh water pump.
16. Washer and separate dryer in cabinets.

##### **Bilge Water System**

17. Electric 24V bilge pumps.



18. Two-level bilge water alarm.

#### **Fire Safety System**

19. One Seafire automatic/manual fire extinguisher in engine room.

#### **Air Conditioning System**

20. Marine Air –central air conditioning for each cabins and salon.
21. Air conditioning self cleaning system.

#### **Propulsion/ Steering System**

22. Adjustable trim tab system.
23. Hypro Electronic Command Steering System
24. Side power bow thruster SE210 (13.15HP).
25. Side power stern thruster SE210 (13.15HP) with tunnel

### **H. Interior Design and Equipments:**

#### **Interior Finish**

1. Wood style flooring in salon and galley.
2. Tempered safety glass windows.
3. Soft furnishings including roman blinds and accent wood finishing.

#### **Heads and Showers General**

4. Wood floor.
5. Corian countertops.
6. Fabric blind over large window.
7. Portlights for ventilation.
8. Basin, cabinets and mirrors.
9. Walk-in separate shower.
10. Linen cupboard inboard of the M/S shower.
11. Separate toilet.
12. Lights in overhead.
13. Extractor fan.
14. Add mirror panel opposite to sink side in Master and VIP heads.

#### **Salon**

15. Salon seating covered in fabric.
16. Wood coffee table.
17. Cabinet for drinks cups.
  1. Samsung 55" TV w/ SONOS soundbar and Apple TV.
18. Two hatches with screen on top of salon roof.
19. Two ottomans under salon table.
20. Custom design storage in salon floor.

#### **Galley/ Dinette**

21. Wood floor.
22. Corian counter tops.
23. Double sinks with tap.
24. Custom accent wood carpentry.
25. Custom wooden carpentry for galley, cupboards and counters.
26. Cutlery & crockery drawers.
27. Pot drawer & spice drawers.
28. Additional storage drawers and cupboards.
29. Under counter trash drawer.
30. Custom design galley pantry cupboard with shelves above the wine cooler.
31. Bar stools with S/S post (x3) in galley.

#### **VIP Stateroom:**

32. Queen bed, semi walk around.
33. Closets.
34. Custom wood accent carpentry.
35. Carpeted floor
36. Deck hatch with screen & opening.
37. Fabric blind over large window.
38. Soft furnishings.
39. Night stands with light switches and outlets.
40. Two reading lights.

#### **Port Aft Guest Stateroom:**

41. Custom wood accent carpentry.
42. Carpeted floor.
43. Opening port lights in hull side.
44. Soft furnishings.



45. Two twin beds. (option: insert to convert to oversize Queen)
46. Storage beneath beds.
47. Cabin lights.
48. Shared bathroom with VIP cabin.

#### Master Stateroom

49. Custom carpentry for accent finishing.
50. Carpeted floor.
51. Deck hatch with screen & opening.
52. Fabric blinds over large window
53. Queen size bed, semi walk around.
54. Large full height closets.
55. Closets for linens / towels and clothes.
56. Cabin lights.
57. Night stands with light switches and outlets.
58. Two reading lights.
59. Custom made a laundry hamper in master head.
60. 32" TV with FUSION Apollo Marine stereo (x1) and Fusion speakers (MS-CL602) (x2).

#### Lights

61. Headliner with recessed down lights.

#### Home Appliances

##### Galley

62. Miele 4 burner push button control electric cooktop.
63. Miele H6770BM 30 inch Speed Oven microwave / convection.
64. Miele KFN 9855 iDE 30" fridge and freezer drawer w/ panel ready.
65. Insinkerator PRO750 Disposal with air switch in galley.
66. Fisher & Paykel DD24ST19\_N dishwasher with panel ready.

#### I. Navigation & Instrumentation:

1. 2x Garmin 8617 17" touch screen chart plotter with GPS antenna.
2. Garmin Auto pilot.
3. 24 mile Garmin radar.
4. Depth transducer.
5. VHF on flybridge.
6. AIS receive and transmit w/ antenna.
7. Garmin transducer with sonar module.
8. Connect Cummins engines data to Garmin display with ONE extra NBE100 net work bus extenders.

#### Soft goods package:

1. Covers for F/B Seating and console
2. Covers for aft deck seating, aft deck table w/ padding and flybridge table.

**\*\* All specifications are subject to change without notice\*\***

#### Qualifications and Notice to Reader

*Not included are pieces of free standing furniture and lamps, special designer specified lighting, art work, cooking utensils, cutlery and flatware, soft goods and the design fees attendant to personalizing the owners interior arrangement plan and design. Performance statistics, weight, draft, freeboard and height are estimated only and are not warranted, and actual figures will vary depending on tolerances achieved during the vessels construction process and the equipment, supplies and stores on board, as well as operational and sea conditions. Horizon reserves the right to substitute equipment and materials stated herein to others which it believes to be of equal or superior quality and to make such design and dimensional changes as it believes are necessary to improve the vessel's performance and function. Special treatment of interior fit-out and/or use of non-standard soft furnishings required by the purchaser may be subject to additional charge*