

## **HORIZON 53 MOTORYACHT**

### **Standard Specifications**

#### **Horizon 53**

◆ L.O.A.	:	14.90M
◆ Beam	:	4.70M
◆ Draft (prop. tip clearance)	:	1.20M
◆ Displacement (light app.)	:	15,000KGS
◆ Fuel	:	2,200L
◆ Water	:	700L

#### **Main Structure:**

1. White Gelcoat finish.
2. One-piece hull lamination w/ longitudinal stringers.
3. Hulls are built using state-of-art SCRIMP™ for strength and weight
4. Fiberglass solid hull bottom.
5. High-density foam cored construction above water line.
6. Stringers with high density foam coring.
7. Deck & superstructure L foam cored reinforcement for strength.
8. Interior structural components all properly bonded to hull.
9. Strong collision bulkhead structure for extra safety.
10. International anti-fouling bottom paint, w/ anti-osmosis treatment.

#### **Hull & deck exterior general:**

1. Non-skid deck for main deck.
2. FRP cap rail.
3. Stainless steel roller and chain stopper for anchor chain.
4. Vertical Elec. anchor winch "Maxwell VWC2200C".
5. Stainless steel 48KGS anchor.
6. High tensile 200 feet  $\frac{3}{8}$ " anchor chain.
7. Freshwater anchor chain wash down.
8. Heavy-duty S/S  $1\frac{1}{2}$ " handrail w/ 1-1/4" stanchions.
9. Stainless flag pole on bow rail.
10. Sunbathing cushion on fwd deck.
11. Heavy-duty 316# stainless steel cleats and fairlead w/rollers..
12. Frameless windows w/ tinted glass.
13. Stainless steel sliding door.
14. Stainless steel portholes.
15. Built-in shower with hot/cold water above swim platform.
16. Manual swimming ladder folding storage under swim platform.

(Annex. "B")

17. Two zinc anodes on transom.
18. Vinyl exterior cushions.
19. Comfortable stair from aft deck to F/B.
20. Hingless cover for fuel/water inlets recessed boxes.
21. Aft. Deck hatch to engine room.

**Flybridge :**

1. Nonskid flybridge decks.
2. Flybridge windshield with S/S frame.
3. Instrument console with canvas cover.
4. "L" shape seats w/ fiberglass table.
5. Oversize drains w/strainers on each corner of flybridge deck with internal overboard drains.
6. Fiberglass radar arch.
7. Chrome plated Elec. air horns.
8. Flag staff on back of flybridge.
9. Wet bar w/sink & Ref. & B.B.Q. grill.
10. Space for life craft.
11. Sun bath cushion side Helm seat.

**Engine propulsion & Steering system:**

1. Twin Caterpillar C-9 ACERT/575MHP diesel engines w/reduction gears
2. Dual RACOR fuel filters/water separator, each engine.
3. RACOR fuel filter on generator.
4. Stainless steel shafts .
5. High performance 4 blade propellers.
6. Main and intermediate bronze struts w/backing plates.
7. Shaft and rudder packing glands with maintenance free TIDES STRONG seals.
8. MMC elec. engine control system at flybridge & lower pilothouse.
9. Exhaust system for engines w/mufflers.
10. Hynautic steering system.
11. Custom steering wheels on both stations.
12. Stainless steel emergency tiller.
13. Side boarding gate.
14. Stainless steel rudder w/zinc plates.
15. Stainless steel wipers w/wiper washer system.
16. Bennett trim tabs with indicators.

**Engine room and equipment:**

1. Well-planned spacious engine room w/comfortable black rudder floor.
2. Double sound & heat insulated material.
3. Engine room AC florescent lights and DC dome lights .
4. Four engine compartment blowers (two AC & two DC).
5. One automatic/manual fire extinguisher in engine room.

(Annex. "B")

6. Fiberglass bonded to hull engine load distributed on steel channels.
7. Engine alarm system for low oil pressure and high water temperature.
8. High-volume AC fresh water pressure pump and one DC pump for back up.
9. Fresh-water hose for filling engine and generator expansion tank.
10. Aluminum fuel tanks w/sight & electric gauges.
11. Heavy-duty sight gauges for fuel tank with self-closing control valve.
12. DC 24V fresh water/sea water pump.
13. Washer/dryer (option, need extra charge).
14. Marine air central system Air Cond.
15. Side power Elec. Bow thruster. (option, need extra charge)

#### **Electrical system:**

1. 220 volt electrical supply from generator or shore power.
2. Two shore power connection 50Amp.
3. Select switch for AC power supply.
4. Color-coded wiring for easy identification.
5. One Onan e-QD generator 11.0kw (50 hz) with sound shields.
6. Fiberglass water/smoke separator.
7. One Mastervolt 1.5KW inverter.
8. GUEST battery switch (vapor proof).
9. Two Mastervolt 200 AH gel cell batteries for engine start up.
10. Four Mastervolt 200 AH gel cell batteries for ship's service power.
11. One Mastervolt 120 AH gel cell battery for generator start up.
12. All batteries fixed with pedestal.
13. Main electric panel includes AC & DC circuit breakers.
14. 12 volt DC monitoring and main circuit breaker panel.
15. AC volt duplex receptacles located throughout including engine room.
16. VIMAR switches for lighting system
17. GFI protection for AC required outlets.
18. Indirect lighting under valance in saloon, staterooms, pilothouse and galley.
19. Electrolysis bonding system.
20. Mastervolt 75amp battery charger for service batteries.
21. Mastervolt 50amp battery charger for engine start up batteries.
22. Mastervolt 10amp battery charger for Gen. Battery.

#### **Plumbing system:**

1. Holding tank w/macerator pump.
2. "Y" valve for holding tank dockside pump out.
3. Holding tank level indicator.
4. Sump pumps for shower rooms.
5. Marine grade lines for fresh waster system.
6. One Raritan 20-gallon water heater.
7. Stainless steel water tanks.

(Annex. "B")

8. Three electric RULE bilge pumps.
9. High water bilge alarm.
10. Dockside fresh water inlet.
11. Color-coded piping system for easy identification.
12. "Trident hump hose" for engine exhaust.
13. Sea water washdown system.

**Interior equipment:**

1. Plywood floor for dealer supply carpet.
2. Wood floor pilothouse and galley.
3. High-quality door lock and cabinet door locks.
4. Halogen ceiling lighting.
5. High-density foam mattress with custom bedding covers.
6. Indirect lighting system under sofas, beds, curtain valances.
7. All stairways with safety light system.
8. Headboard for all berths with mirrored back walls.
9. Mirrors behind guest room doors.
10. Hanging locker cabinets in all staterooms.
11. P/H Modern design helm console.
12. Car stereos in master cabin and flybridge total 2 sets.
13. Interlocking vinyl-ceiling panels throughout.
14. U-line BI-95/220V icemaker in Saloon.
15. Satin finish for interior wood. ( high gloss option)
16. Fabric for lower helm console.
17. Fabric for salon sofa.

**Galley :**

1. Storage cabinets in accordance to arrangement plan.
2. Stainless steel sink w/Faucet.
3. Siemens refrigerator.
4. Siemens ceramic hob .
5. Siemens microwave oven.
6. Siemens hood.
7. Large storage areas for space available.
8. Galley corian counter top.
9. Wood floor in Galley.
10. Dishwasher (option, need extra charge).

**Heads (2):**

1. Corian counter top and back splash in all heads.
2. Corian floor.
3. Walls in FRP.
4. Fiberglass floors in all shower rooms.

(Annex. "B")

5. Formica wall finish in all showers.
6. Vacuum toilets in each bathroom.
7. Exhaust blower for each head.
8. Mirror door for cabinet above sink.

**Navigation & instrumentation:**

1. Integrated instrument panel on both helm stations.
2. Full set engine instruments on both stations
3. Monitoring system for important equipment (bilge pumps, blowers, Nav. Lts.).
4. Ritchie flush mount compass on lower station.
5. AQUA Signal navigation lights.
6. WEMAR fuel/ water level indicator system.
7. One search light on F/B.
8. Raymarine RL80C Plus radar w/ 4kw radome scanner.
9. Raymarine ST6001 autopilot dual stations.
10. Raymarine ST60 speed & depth system dual stations.
11. Raymarine ST60 rudder indicator on low station.
12. Raymarine Ray240e VHF radio dual stations.
13. Raymarine ST60 rudder indicator on low station.
14. Raymarine Raystar 120 GPS antenna.

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

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