



## HORIZON T52 MOTOR YACHT

2010 Standard Specifications (AUD) (Annex A)

Valid Date: May 2010

### Principal dimensions (approximate):

<b>L.O.A.</b>	<b>: 52'-1"</b>	<b>(15.88m)</b>
<b>Beam</b>	<b>: 17'-2"</b>	<b>(5.23m)</b>
<b>Draft (prop. tip clearance)</b>	<b>: 5'-5"</b>	<b>(1.65m)</b>
<b>Displacement (light approx.)</b>	<b>: 63,900 lbs</b>	<b>(29 Tons)</b>
<b>Fuel</b>	<b>: 1,050 US gal</b>	<b>(4000 Litres)</b>
<b>Fresh Water</b>	<b>: 160 US gal</b>	<b>(600 litres)</b>

### A. Hull and Main Structure:

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

### B. Exterior deck and Equipment:

1. Nonskid main deck
2. Teak cockpit & coaming top
3. Teak caprail.
4. Stainless steel roller and chain stopper for anchor chain.
5. Vertical hydraulic anchor winch "MAXWELL VWC3500".
6. Stainless steel 40kg anchor.
7. High tensile 150 feet 3/8" anchor chain.
8. Forward deck chain locker with freshwater anchor chain wash down.
9. Aluminium handrail around foredeck in white.
10. Nine Heavy-duty 316# stainless steel cleats.
11. Four Stainless steel pop-up cleats for fender.
12. Frameless windows tinted 8mm safety glass.



13. Teak saloon door
14. Built-in shower with hot/cold water at cockpit
15. Transom door w/ removable swimming ladder
16. Stainless steel rub rail around upper hull side.
17. Fiberglass rub rail w/stainless steel cap on lower hull side.
18. Two zinc anodes on transom.
19. SUNBRELLA exterior cushions (standard shipyard colour choices).
20. Bait well at cockpit with pump.
21. Two deck hatches in cockpit as storage and access to lazarette.
22. Ice box under settee.
23. Freshwater and seawater deck wash in cockpit.
24. AC/DC outlet in cockpit.
25. Indirect lights around cockpit.

#### **C. Flybridge and Boat deck:**

1. Nonskid flybridge deck.
2. Flybridge windshield with solid stainless frame.
3. Fiberglass console with teak helm box and side-mount engine control.
4. Two fiberglass bench seats with cushions.
5. Indirect lights under console and seats.
6. Stainless steel ladder to flybridge with teak steps.
7. Stainless steel hatch at entrance of ladder.
8. Fiberglass hardtop with stainless steel supports.
9. Electric horn on hardtop.
10. Two teak helm chairs.
11. Sink with faucet

#### **D. Pilot house and instrument:**

1. Complete instrument panel at FB helm stations.
2. Full set engine gauges at FB stations
3. Monitoring system for important equipment (bilge pumps, blowers, nav Lights).
4. One Danforth or equivalent magnetic compass at FB helms.
5. International navigation lights.
6. WEMA electric tank gauges
7. Two cameras connect to salon TV or display provided by navigation system.



#### **E. Engine propulsion and Steering system:**

1. Twin CATERPILLAR C-18 1000hp diesel engines w/reduction gears.
2. Trolling valves on reduction gears.
3. Dual RACOR 75/1000 MA fuel filters/water separator, each engine.
4. RACOR 500 MA fuel filter on generator.
5. Stainless steel shafts UGINE-SAVOIE grade AISI-630#.
6. High performance 5 blade propellers.
7. Bronze struts w/backing plates.
8. Shaft and rudder packing glands with maintenance free TIDE STRONG seals.
9. GLENDINNING electric engine control system at flybridge and cockpit.
10. Exhaust system for engines w/mufflers.
11. Teleflex Seastar power steering system.
12. 16" aluminium steering wheel, Edson or equivalent.
13. Stainless steel emergency tiller.
14. Stainless steel rudder w/zinc plates.
15. Side power elec.10HP bow thrusters.
16. VOLVO QL boat trim system with indicators.

#### **F. Engine room and equipment:**

1. Well-planned spacious engine room w/diamond aluminium deck plates.
2. Double sound & heat insulated with foam & lead combination.
3. Stainless steel overhead grab rail on each side of engine.
4. Engine room AC florescent lights and DC dome lights.
5. Four engine compartment blowers (two AC & two DC).
6. Fiberglass de-mister with aluminium grill at hull sides in white.
7. One SEA-Fire automatic/manual fire extinguisher in engine room.
8. Engine mounts on one piece steel channels.
9. Engine alarm system for low oil pressure and high water temperature.
10. High-volume DC fresh water pressure pump
11. Fresh-water hose for filling engine and generator expansion tank.
12. Aluminium fuel tanks w/electric gauges.
13. Heavy-duty sight gauges for fuel tank with self-closing control valve.
14. Oil change pumps system for engines.



## **G. Electrical systems:**

1. 110 or 220 volt electrical supply from generator or shore power.
2. One Shore power connection, 50Amp with connectors.
3. Colour-coded wiring for easy identification.
4. One Onan generator 17kw (60 Hz) or 13.5kw (50 Hz) with sound shield.
5. Fiberglass wet muffler for generator.
6. One MASTERVOLT COMBI 2kW/60A inverter/charger.
7. GUEST battery switch (vapour proof).
8. Four 200 AH gel cell batteries for engine start.
9. Four 200 AH gel cell batteries for ship service power.
10. Separate 120 AH starting battery for generator.
11. All batteries enclosed with boxes and cover.
12. Main electric panel includes AC & DC circuit breakers.
13. 24 volt DC monitoring and main circuit breaker panel.
14. AC volt duplex receptacles located throughout including engine room.
15. Vimar switches for lighting system
16. GFI protection for AC required outlets.
17. Indirect lighting under valance in saloon, staterooms and galley.
18. Intercom system w/outlets in salon, master stateroom, guest stateroom, and steering console.
19. Electrolysis bonding system.
20. Battery powered smoke detectors in galley, master stateroom, guest stateroom, and utility room.
21. LED white light with 24vdc transformer on Horizon group logo in P&S.
22. One SANSHIN remote controlled search light.

## **H. Mechanical system:**

1. One 40 gallon holding tank w/macerator pump.
2. "Y" valve for holding tank dockside pump out.
3. Holding tank level indicator.
4. One sump pump for shower rooms.
5. Marine grade lines for fresh water system.
6. One 20 gallon water heater.
7. One SUS fresh water tank.
8. Four electric RULE bilge pumps.
9. High water bilge alarm.
10. Colour-coded piping system for easy identification.
11. "Trident hose" for engine exhaust.



## **I. Interior design and equipments:**

**(As per layout arrangement)**

### **Interior decoration**

1. Semi-gloss wood finish.
2. Interlocking vinyl-ceiling panels throughout.
3. Custom bound carpet (shipyard supply) for saloon and cabin floors
4. Wood floor galley.
5. Italian High-quality door lock and cabinet door locks.
6. CANTALUPI halogen ceiling lighting.
7. Medium Deck prism x 4
8. High-density foam mattress with custom bedding covers.
9. Salon and dinette sofa fabric selected from yard sample.
10. Indirect lighting system under sofas, beds, and valances.
11. All stairways with safety light system.
12. Queen size bed in master stateroom.
13. MAIRINE AIR Central system air conditioning with separate compressor in engine room.
14. No door bottom thresholds except head doors
15. 4 fire extinguishers in recessed lockers
16. Corian counter top and back splash in all heads.
17. Corian floors in all heads.
18. Seamless polyurethane finish in shower rooms.
19. Towel bars, rings, cup holders, brush, etc. for head.
20. Sealand Vacuum toilet system or equivalent.
21. Ventilation blower for each head.
22. Inlaid sink with curve wood face.
23. Galley Corian counter top.
24. Galley wood floors

### **Galley appliance**

1. Storage cabinets in accordance to with layout plan.
2. Stainless steel sinks.
3. SUBZERO 2 drawers refrigerator/freezer.
4. GE or SIEMENS four hobs IH cook top with exhaust blower above.
5. GE or BAUKNECHT microwave with exhaust function.



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

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### Qualifications and Notice to Reader

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 vessel's 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.