



HORIZON EP66 MOTOR YACHT

2010 Standard Specifications (AUD) (Annex A)

Date: 2010/2/26

L.O.A. w/opt 2ft longer swimplatform	:	68'-11"	(20.72 M)
Beam	:	20'	(6.1 M)
Draft (prop. tip clearance)	:	6'-0 3/4"	(1.85 M)
Freeboard (midship)	:	5'-1"	(1.55M)
Height (W.L. to top of arch)	:	30'-10 1/8"	(9.40 M)
Deadrise (stern)	:	13	
Displacement (light app.)	:	167,551lbs.	(76 tons)
Fuel	:	2,360US gal.	(8,933liters)
Water	:	400 US gal	(1,514 litres)
Holding tank capacity	:	190 gallons	(719 litres)

Main Structure:

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

Hull & deck exterior general:

1. FRP main deck. (option: Teak main deck)
2. High bulwark w/ flush mounted deck lights.
3. Fiberglass cap rail in Fwd. deck area.
4. Teak cap rail from Fwd. Portugal Bridge to stern.
5. Two stainless steel rollers and chain stoppers for anchor chains.
6. Two vertical Hydraulic anchor winches "MAXWELL VWC3500C".



7. Two stainless steel ship type 175 Lbs. (80kgs) anchors.
8. Two high tensile 250 feet 1/2" anchor chains.
9. S/S bow protection plates. (Short)
10. Two Maxwell Elec. Winches VC2200 in P&S.
11. Heavy-duty S/S #316 2" handrail w/ 1-1/2" stanchions.
12. Stainless flag pole on bow rail.
13. Fender lockers in forward deck for 6 fenders.
14. Portugal Bridge around the lower helm.
15. One round escape hatch w/ screen in centre of Portugal bridge walkway access from VIP.
16. Heavy-duty 316# stainless steel cleats and fairlead w/rollers.
17. Frameless recessed windows tinted tempered safety glass.
18. TREND 2 pane Stainless steel patio doors w/ bronze reflective glass for saloon entrance, fix panel on port side.
19. One water tight door from port side deck to lazarette, opening to bow.
20. Two mid-ship side boarding gates at main deck P&S.
21. Stainless steel round port lights w/screens, 12" CLSR-1200L, 4 units in crew/ lazarette area, 4 units in master cabin.
22. Stainless steel oval port lights w/screens, 7"x18"/CLO-0718, 5 units in VIP and guest cabin.
23. Stainless steel custom design fix large size oval port lights 2 units in master cabin.
24. Built-in shower with hot/cold water in transom area.
25. Manual S/S Swimming ladder.
26. Aft deck seats w/ acrylic drink holders.
27. Two fiberglass dining tables w/ folding piece in centre in Aft deck
28. Trend S/S rub rail around hull deck joint.
29. Stainless steel handrails 1-1/4" Dia. round on both sides of aft deck stairs.
30. Two zinc anodes on transom.
31. Sunbrella or Vinyl exterior cushions (standard factory choices.).
32. New design transom integrated with curve aft deck seat.
33. Two stairs from swimstep to aft deck in port & stbd side.
34. Comfortable curved stairs from aft. Deck to F/B w/ handrail 1-1/4" in one side.
35. Seamless cover for fuel/water inlets in recessed boxes.
36. Two vertical cleats #A024h 300 series, at corner of swimstep P&S.
37. LED white light with 24V DC transformer on Horizon group logo on P&S radar arch.
38. Bandido logo in P&S.
39. One gangway 3.5m. at port side. (option)
40. Garage for tender (Williams 325 type) at stern including:
 - Hydraulic fold down garage door.
 - Elec. tender winch and rollers.
 - One ventilation fan
 - One AC outlet
 - AC/ DC lights
 - Escape hatch to lazarette.
 - Fresh water wash down.



Ladder holder for manual swimming ladder.

Smoke detector.

*not including tender

Flybridge:

1. Nonskid flybridge decks. (option: teak deck)
2. Elec. sliding canvas for hardtop opening. (option)
3. Hydraulic fold down mast. (option)
4. Flybridge tinted acrylic windshield in stainless steel frame.
5. S/S handrails around the aft F/B.
6. Instrument console w/ two S/S glass holders in both side.
7. Single S/S pilot chair. (option: extra S/S pilot chair)
8. Convenient L shape bar in port side including:
 - FRP counter top.
 - One Barbecue.
 - Automatic electric cut-off switches for safe use of Barbecue grill.
 - DD supply fire blanket.
 - One U-LINE BI-95 Ice maker under the worktop.
 - Storage cabinets under Barbecue.
 - Integral stainless steel handrails around bar unit.
 - S/S sink w/ faucet.
 - Serving platform on the bar.
 - Three wall mount type bar stools.
 - One refrigerator under the worktop (ENGEL SR65E).
 - Storage cabinets under worktop
9. Stairway to the pilothouse with sliding hatch.
10. Double FRP Bench seat with cushion on Stbd. next to helm chair with glass holder on the corner.
11. "U" shape seat (storages underneath) w/ fiberglass manually adjustable high-low table.
12. Indirect lighting system under FRP seats.
13. Teak slatted wood drain panels under FRP seats for storages.
14. Curved stairway from Aft. deck to flybridge w/ stainless steel handrails.
15. LED step lights in each step stairs.
16. Oversize drains w/strainers on each corner of flybridge deck with internal overboard drains.
17. Fiberglass radar arch with two speakers under hardtop.
18. Buell dual air horn
19. Two sunbath chairs in the aft flybridge. (dealer supply)
20. Two unit storage lockers w/ cushions on top at both sides in the aft flybridge.
21. Flag pole on rear centre of flybridge.
22. Steelhead hydraulic crane.



Engine propulsion & steering system:

1. Twin Caterpillar C-7 ACERT/460MHP diesel engines w/ZF285A reduction gears.
2. Dual RACOR 75/1000MA fuel filters/water separator, each engine.
3. Dual RACOR 500MA fuel filters on generator.
4. Stainless steel shafts AQUA TECH #17 HS.
5. ABT Hyd. 38HP bow and stern thrusters, three station controls.
6. ABT Hyd. 250/9.0 Stabilizer.(Option: zero speed stabilizer)
7. High performance 5 blade propellers.
8. Main and intermediate bronze struts w/backing plates.
9. Two A shaft brackets.
10. Shaft and rudder packing glands with maintenance free TIDES STRONG seals.
11. MMC engine control system at flybridge & lower pilothouse & Aft deck.
12. Centek exhaust system for engines w/mufflers.
13. Marlo steering system dual stations.
14. S/S steering wheels on both stations.
15. Stainless steel emergency tiller.
16. Stainless steel rudder w/zinc plates.
17. Stainless steel wipers w/ wash system.
18. Variable speed control on each windshield wiper.
19. Hynautic hydraulic trim tabs with indicators.

Engine room and equipment:

1. Ladder with teak steps from Aft. Deck hatch to engine room.
2. Well-planned spacious engine room w/comfortable black rubber floor.
3. Double sound & heat insulated material with foam & lead combination.
4. Stainless steel overhead grab rail on each side of engine.
5. Engine room AC florescent lights and DC dome lights.
6. Two Hi-Volume engine blowers with fire damper.
7. Alum. Moisture eliminator for engine air intakes in F/B.
8. S/S covers for engine exhaust pipes.
9. One Seafire fire extinguisher in engine room.
10. Engine load distributed on steel channels bonded to stringer.
11. Engine alarm system for low oil pressure and high water temperature.
12. High-volume AC fresh water pressure pump and one DC pump for back up.
13. Fresh-water hose for filling engine and generator expansion tank.
14. FRP & Alum. (2) Fuel tanks w/ electric gauges.
15. Oil change pumps system for engine & generator.
16. Air compressor for air horn.
17. Storage space in Formica finish next to garage accessed from engine room.



18. Rubber floor in storage space.
19. One GFI AC outlet in storage space.
20. Sea recovery AQM 900GPD/Day water maker.

Electrical system:

1. 110/ 220 volt electrical supply from generator or shore power.
2. Two shore power connections in Aft Stbd. side. 50Amp each.
3. Select switch for AC power supply.
4. Colour-coded wiring for easy identification.
5. Two Onan MDKBR 17.5Kw (50 Hz) e-QD digital network function generator with sound shield.
6. Fiberglass water/smoke silent exhaust.
7. One Mastervolt 50amp battery charger for engine start up batteries.
8. One Mastervolt 25amp battery charger for generator start up battery.
9. One Mastervolt 75amp battery charger for service batteries.
10. Two Mastervolt 24/12V 20A- DC-DC converters.
11. One Mastervolt 2500W inverter w/ control panel.
12. BEP battery switches.
13. Four Mastervolt MVG 12V/200 AH gel cell batteries for engine start up.
14. Four Mastervolt MVG 12V/200 AH gel cell batteries for ship's service power.
15. Two Mastervolt MVG 12V/120 AH gel cell batteries for generators start up.
16. Main electric panel includes AC & DC circuit breakers.
17. Distribution panel in each cabin.
18. 24 volt DC monitoring and main circuit breaker panel.
19. AC volt duplex receptacles located throughout including engine room.
20. VIMAR switches for lighting switches & receptacles.
21. GFI protection for AC required outlets.
22. Indirect lighting under valance in saloon, staterooms, pilothouse and galley.
23. ACET Intercom in salon, pilothouse, master, VIP, guest cabins, engine room and F/B.
24. Exterior connector for shore phone and cable TV.
25. Electrolysis bonding system.
26. Power supply system for DC lighting.
27. Marine Air chill water system A/C for salon and each cabin, 8 units.
28. Fire alarm system. (location in each cabins and engine room, or per design)

Plumbing system:

1. 680 Litres. holding tank w/macerator pump.
2. "Y" valve for holding tank dockside pump out.
3. Holding tank level indicator.
4. Sump pumps for drains.
5. Marine grade lines for fresh water system.



6. Two Torrid 20 GAL water heaters.
7. Circulation pumps for water heaters.
8. 2000 Litre stainless steel water tank.
9. RULE electric bilge pumps.
10. High water bilge alarm.
11. Central bilge pump.
12. Colour-coded piping system for easy identification.
13. Bilge exhausts fan ventilation Fwd.
14. "Trident hump hose" for engine exhaust.

Interior:

Standard layout: 3 staterooms with 3 heads in Fwd. one crew cabin with head in Aft.

Satin finish for furniture wood surface.

1. Carpet in three cabin floors. (shipyard sample choice)
2. Teak & Holly wood floor in salon, galley, pilothouse.
3. Teak & Holly wood floor for stairway from saloon to down stairs.
4. Black rubber floor for crew cabin, lazarette area, and stairs from side deck to lazarette.
5. High-quality Std. door locks & push button cabinet door locks.
6. Halogen ceiling lighting.
7. Install owner supply AV system w/ speakers in each cabin.
8. High-density foam mattress with custom bedding covers.
9. Indirect lighting system under sofas, beds, curtain valances.
10. All stairways with safety light system.
11. Headboard for berths with fabric. (shipyard sample choice)
12. Hanging locker cabinets in each cabin.
13. Custom made wall recessed cabinet for owner supply TV.
14. Removable interlocking vinyl-ceiling panels throughout.
15. Custom made louver for all Air. Conditioning outlets.
16. Custom made curtain, bedspread for each cabin. (fabric shipyard sample choice)
17. Space for portable fire extinguisher.

Master cabin:

1. King size bed w/ wood frame w/ drawers underneath.
2. Two bedside cupboards w/ drawers.
3. Two reading lights.
4. Full height hanging lockers w/ auto lighting inside.
5. Custom made wall recessed cabinet for owner supply TV.
6. Half height storage cabinet at port side.
7. 3M sound insulation for ceiling.



8. Stainless steel custom design fix large size oval port lights 2 units.
9. Stainless steel round port lights w/screens, 12" CLSR-1200L, 4 units.
10. S/S storm cover for round port lights. (option)
11. Pocket sliding door for entering owner's head in stbd side.

VIP cabin:

1. Queen size bed w/ wood frame w/ drawers underneath.
2. Two bedside cupboards w/ drawers.
3. Two reading lights.
4. One full height hanging lockers w/ auto lighting.
5. Half height storage cabinet at both sides.
6. Stainless steel oval port lights w/screens, 7"×18"/CLO-0718, 2 units for natural lighting.
7. S/S storm cover for port lights. (option)
8. TV cabinet on the wall.

Stbd. guest cabin:

1. Two single Hi/Lo bunk beds w/ wood frame, two drawers underneath the lower bed.
2. One full height hanging lockers w/ auto lighting
3. Two reading lights.
4. Stainless steel oval port lights w/screens, 7"×18"/CLO-0718, 2 units for natural lighting.
5. S/S storm cover for port lights. (option)
6. TV cabinet on the wall.

Crew cabin:

1. Two single Hi/Lo bunk beds w/ wood frame, two drawers underneath the lower bed.
2. One full height hanging lockers w/ auto lighting
3. Two reading lights.
4. Stainless steel round port lights w/screens, 12" CLSR-1200L, 1 unit.
5. S/S storm cover for port light. (option)
6. TV cabinet on the wall.

Lazarette area:

1. Formica wall and ceiling.
2. Stairs to side deck.
3. Storage cabinet made by Formica.
4. Black rubber floor.
5. Water tight door to engine room.
6. Access door to garage.



7. Stainless steel round port lights w/screens, 12" CLSR-1200L, 2 units.
8. S/S storm cover for port light. (option)
9. One Siemens washer/dryer.

Salon:

1. "U" shape sofa w/ fabric at port side.
2. Desk with one chair at port side near entrance door.
3. Lockers in STBD. Side near entrance door.
4. Engine ventilation tunnel covered by full height wall P&S.
5. One coffee table with tinted glass top.
6. Hi-Lo lift mechanism for owner supply TV on Stbd. side.
7. Storage cabinets on Stbd. Side for AV system.
8. Glass cupboard w/ acrylic shelves and halogen light on top in STBD. side.
9. Install teak/holly wood floor.

Galley / Pilothouse:

1. Storage cabinets in accordance to arrangement plan.
2. Stainless steel large sink w/Faucet.
3. One SIEMENS refrigerator.
4. 2nd SIEMENS refrigerator. (option)
5. SIEMENS coffee machine. (option)
6. SIEMENS cook top.
7. SIEMENS microwave oven under the cook top.
8. SIEMENS Dishwasher.
9. Exhaust blower above the cook top.
10. Storage lockers.
11. Corian counter top.
12. Wood floor in Galley.
13. Three bar stools nearby breakfast bar, next to U shape sofa.
14. Central stairway to the lower deck.
15. Stbd. stairway to the pilothouse.
16. P/H well design helm console in black leather.
17. P/H overhead monitoring System w/Red LED lights
18. Two helm chairs in P/H.
19. One captain's desk next to helm station at port side with one chair.
20. "L" shape dinette sofa w/ fabric or leather finished.
21. Wooden dinette table w/ S/S sliding mechanism and base.
22. One wooden sliding door for galley entrance.
23. Four water tight door to side decks, one from galley, one from foyer, two from P/H.



Heads (3):

1. Corian counter tops and back splash in all heads.
2. Corian floor in heads.
3. Clear glass shower door w/ S/S handle for shower room.
4. Fiberglass floors in all shower rooms.
5. Seamless fiberglass finish in all showers.
6. Grohe bathroom faucets & shower system.(Shipyard standard)
7. Standard towel bars, rings, cup holders, brush for all heads.
8. Stainless steel round port lights w/screens, 12" CLSR-1200L, 1 unit in crew head, 2 units in master head.
9. Stainless steel oval port lights w/screens, 7"×18"/CLO-0718, 1 unit in VIP head.
10. One GFI AC outlet in each heads.
11. TECMA Elec. toilets in each bathroom.
12. Oceanair exhaust blower w/ light for each head.
13. Inlaid china sinks with curved FRP cabinet.
- 14.** Mirror 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 Lights.).
4. Ritchie flush mount compass on both stations.
5. International navigation lights, green & red lights in recessed boxes.
6. Fuel/ water level indicator system.
7. Install owner supply Navigational equipments.<Not include Sat. system, sonar system, camera system>
8. One search light.

Note: 1) Construction as per standard spec. & materials.

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

The end

Not included in the soft good and Designer Package are pieces of free standing furniture and lamps, special designer specified lighting, art work, cooking utensils, cutlery and flatware and the design fees attendant to personalizing the Owners interior arrangement plan and design.

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.