

May 2010

HORIZON E88 MOTORYACHT

Standard Specifications (AUD) (ANNEX A)

Note: Refer options List for Final upgraded Specifications

Principal Dimensions (Approximate)

▪ L.O.A	89'4" (27.24 M)
▪ Beam	21'1" (6.40 M)
▪ Draft (Prop tip clearance)	6'3" (1.91 M)
▪ Freeboard (midship)	5'9" (1.75 M)
▪ Height (W.L to top of arch)	29'9" (9.07 M)
▪ Deadrise (Stern)	14.5° (Equivalent)
▪ Displacement (light approx)	180,000 lbs (82 Tons)
▪ Fuel	2,700 US gallons (10,250 Litres)
▪ Fresh Water	500 US gallons (1,900 Litres)





Hull and Main Structure:

1. White Gelcoat finish.
2. One-piece hull lamination and longitudinal stringers.
3. Hull, Deck & Superstructure are built with licensed process SCRIMP™ for improved strength and less weight.
4. Fibreglass 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.

Exterior Deck and Equipment:

1. Non-skid fwd deck, Teak Aft decks, teak swim platform and teak steps.
2. High bulwark w/flush mounted deck lights.
3. 4 FRP bulwark side doors w/hidden hinge for boarding with.
4. Fibreglass cap rail.
5. Two stainless steel rollers and chain stopper for anchor chains.
6. Two vertical hydraulic anchor winches "MAXWELL VWC3500"
7. Two stainless steel 175 lb (80kg) anchors.
8. Two high tensile 250 feet anchor chains.
9. Freshwater anchor chain wash down.
10. Heavy-duty S/S 2" handrail w/1¼" stanchions.
11. Stainless flag pole on bow rail.
12. Forward deck storage locker for fender and lines – L shape for better access (no central partition)
13. Forward deck seat.
14. Sunbathing cushion on fwd deck w/drink holders
15. Heavy-duty 316# stainless steel cleats and fairlead w/rollers
16. Frameless windows tinted tempered glass 10mm for windshield & 8mm for side window.
17. Stainless steel "TREND" sliding door w/screen for main saloon, self-locking, if model skylounge door to be TREND as Std.
18. Two pilothouse side entrance doors.
19. Heavy-duty SPEICH Stainless steel wiper w/wiper washer system.
20. Variable speed control on each windshield wiper.
21. Stainless steel portholes.
22. Built-in shower with hot/cold water on swim platform.
23. Swimming ladder in folding storage well.
24. Aft deck seat w/drink holders.
25. Aft deck high-low dining table sliding (fibreglass or teak)
26. Solid stainless steel rub rail around upper hull side.
27. Fibreglass rub rail w/stainless steel cap on lower aft hull sides.
28. Stainless steel handrails on aft deck stairs.
29. Two zinc anodes on transom.
30. SUNBRELLA canvas covers for flybridge, helm seats, aft deck seat, windshield, sun pad forward cushion and seat, standard shipyard selection.
31. SUNBRELLA exterior cushions (standard shipyard colour choices)



32. Internal boat hook holders on back deck.
33. Two S/S posts on upper aft deck.
34. Exterior LED step lights.
35. FRP rub rail with S/S cap.
36. 2" stainless steel rails around swim platform (removable) at stern.

Flybridge or Skylounge:

1. Non-skid flybridge deck.
2. Flybridge windshield with solid stainless frame.
3. Instrument console with cover.
4. "U" shape seats w/fibreglass high-low table.
5. Wet bar including sink, comb refrigerator w/ice maker & BBQ unit.
6. Automatic electric cut-off safety switch for use of BBQ grill.
7. Integral stainless steel handrails around bar unit.
8. Indirect lighting system under wet bar and seats.
9. Curved stairway from aft deck to flybridge with Teak steps.
10. Stainless steel sliding hatch on AFT stairway, Teak steps on stairway.
11. Oversize drains w/strainers on each corner of flybridge deck with internal overboard drains.
12. Fibreglass radar arch w/antenna bracket.
13. One TOKAI SUNSHIN search light.
14. Chrome plated BUELE air horns on top of radar arch.
15. Space for dinghy or Jet Ski.
16. Flag staff on back of flybridge.
17. Helm chair on F/B (Shipyard to supply)
18. Hydraulic dinghy davit retractable "STEEL HEAD" 1500lbs.
19. FRP radar arch & mast on top of skylounge.
20. White powder coated safety grab rail on skybridge port and starboard.

Engine propulsion & steering system:

1. Twin CATERPILLAR C-32 1600hp diesel engines w/reduced gears.
2. Dual RACOR 75/1000 MA fuel filters/water separator, each engine.
3. RACOR 500 MA fuel filters on generator.
4. Stainless steel shafts AQUAMET HS22#.
5. High Performance 4 blade propellers.
6. Main and intermediate bronze struts w/backing plates.
7. Shaft and rudder packing glands with maintenance free TIDE STRONG seals.
8. MMC engine controls with chrome heads or GLENDENING electronic engine control system at flybridge & lower pilothouse.
9. Underwater exhaust system for engines w/mufflers.
10. HYNAUTIC power steering system.
11. Custom steering wheels at both stations.
12. Stainless steel emergency tiller.
13. Stainless steel rudder w/zinc plates.
14. Heavy-duty SPEICH Stainless steel wiper w/wiper washer system.
15. Variable speed control on each windshield wiper.



16. Hydraulic AMERICAN BOW THRUSTER 38 hp.
17. HYNAUTIC heavy-duty trim tabs with indicators.
18. Third control station (engine gear, thrusters) on AFT deck.

Engine room and equipment:

1. Engine room clean design with finish, floor in diamond aluminium deck plates.
2. White engine room overhead ceilings.
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. Four engine compartment blowers (two AC & DC)
7. DELTA "T" engine room de-mister filters.
8. Engine mounts on one-piece white paint steel channel.
9. Engine alarm system for low oil pressure and high water temperature.
10. High-volume AC fresh water pressure pump and one DC pump for back up.
11. Fresh-water hose for filling engine and generator expansion tank.
12. Aluminium fuel tanks w/sight & electric gauges.
13. Oil change pump system for engines and generator.
14. Heavy-duty insulated engine room door, safety-opening handle on engine room side.
15. Mount engine gauge on top of engine to be seen by Elbex camera.

Electrical System:

1. 110 or 220 volt electrical supply from generator or shore power.
2. Two Glendenning shore power cable masters 50amp w/75' cable each.
3. Shore power connection, 50Amp to isolation transformer.
4. Extra shore power plugs in fwd deck.
5. Colour-coded wiring for easy identification.
6. Two ONAN generators 22.5kW (50 Hz) with sound shield.
7. Fibreglass water/exhaust silent separator for generator.
8. Inverter/Charger MASTERVOLT COMBI 2kW/60Amp (total 2 units)
9. GUEST battery switch (vapour proof)
10. Four engine start up batteries.
11. Eight 200 AH gel cell batteries for ship's service power.
12. Separate 120 Amp/hr starting battery for generator.
13. All batteries enclosed with boxes and cover.
14. Main electric panel includes AC & DC circuit breakers.
15. 24 Volt DC monitoring and main circuit breaker panel.
16. 12 volt power connection plugs each station.
17. AC volt duplex receptacles located throughout including engine room.
18. Italian VIMAR switches for lighting system.
19. GFI protection for AC required outlets.
20. Indirect lighting under valance in saloon, staterooms, pilothouse and galley.
21. TV antenna on top of radar arch.
22. 24 Volt to 12 volt converter for supply of 12-volt components.



23. PANASONIC PBX telephone with intercom feature, w/outlets in saloon, pilothouse, master stateroom, VIP stateroom.
24. Exterior connector for shore phone and cable TV.
25. Electrolysis bonding system.
26. Upgrade to CO2 & smoke detector.
27. Dimmer system for halogen lights D/C Aft deck.
28. Dimmer system for halogen lights A/C saloon, master & VIP cabins.
29. Sub panel design in each zone for electrical distribution.
30. Charles ISO boost transformer 50A x 2.
31. LED white light with 24vdc transformer on Horizon group logo P&S.

Plumbing System:

1. 200 gallon holding tank w/macerator pump.
2. "Y" valve for holding tank deck fitting for dockside pump out.
3. Holding tank level indicator.
4. Sump pump for showers.
5. Marine grade lines for fresh water system.
6. Fibreglass water tanks.
7. Five electric RULE bilge pumps.
8. High water bilge alarm.
9. Colour-coded piping system for easy identification.
10. Bilge air circulation exhaust ventilation fans.
11. "TRIDENT HOSE" for engine exhaust.
12. Air compressor.
13. Back up air conditioning sea water cooling pump.

Interior Equipment: (In accordance with arrangement plan)

1. Interior stairs from saloon to flybridge w/sliding hatch.
2. High-gloss wood finish.
3. Elm Burl wood on counter top.
4. Interlocking vinyl-ceiling panels throughout.
5. Custom bound carpet (shipyard supply) for salon and cabin floors.
6. Wood floor pilothouse and galley.
7. Italian High-quality door locks and cabinet door locks.
8. CANTALUPI Halogen ceiling lighting.
9. High-density foam mattress with custom bedding covers.
10. Leather salon and dinette sofa.
11. Leather bed headboard Master only.
12. Indirect lighting system under sofas, beds, curtain valances.
13. All stairways with safety light system.
14. GE Stack type washer/dryer.
15. Three double staterooms w/ensuite head & shower for master.
16. King size bed in master stateroom.
17. Headboards for all berths with mirrored back walls.
18. TV cabinets in all staterooms, salon High-low TV system.

19. Hanging locker cabinets in all staterooms Cedar lined.
20. Chilled water MARINE AIR air conditioning with separate compressor in engine room.
21. 12 volt stereo in each cabin and flybridge max 4.
22. NUTONE Central vacuum cleaner.
23. U-LINE icemaker or refrigerator per layout.
24. STIDD helm chair (1) Low Back Admiral.
25. No door bottom thresholds except for heads & crew.
26. Wood bed frames in all cabins.
27. Interior halogen bulbs to be 28V.
28. LED rope lights for interior step lights.
29. 4 fire extinguishers in recessed lockers.
30. Escape hatch w/o ladder for master stateroom.

Galley:

1. Storage cabinets in accordance with layout plan.
2. Stainless steel sink w/garbage disposal.
3. SUBZERO refrigerator.
4. Full size electronic cook top with exhaust blower above.
5. Full size microwave convection oven.
6. Dishwasher.
7. Trash compactor.
8. Galley marble or granite counter top.
9. Teak & Holly or marble floors.

Heads:

1. Marble or granite counter top and back splash in all heads.
2. Marble or granite floors in all heads.
3. Seamless polyurethane finish in all heads.
4. Towel bars, rings, cup holders, brush, etc. For all heads.
5. Ventilation blower for each head.
6. Inlaid sink with curved wood face.
7. HEADHUNTER toilet system.

Rear accommodation layout plan:

In accordance w/layout plan – to include Aft quarters, efficiency galley, head and shower, hanging lockers, bunks, storage lockers, air conditioning.

Navigation & Instrumentation:

1. Complete instrument panel at both helm stations.
2. Full set engine gauges at both stations.
3. Monitoring system for important equipment (bilge pumps, blowers, nav lights)
4. DANFORTH magnetic compass at both helms.
5. International navigation lights.
6. TANK TENDER fuel and water management system.



7. ELBEX closed circuit TV monitor with 2 cameras (aft deck and engine room)
8. All other navigational equipment, an owner supplied option from approval supplier only.
9. Entertainment equipment as standard package only.

All specifications subject to change without notice

Qualifications and Notice to Reader

1. Performance statistics, weights, 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 believe to be of equal superior and to make such design and dimensional changes as it believes are necessary to improve the vessel's performance and function.
2. 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 to personalizing the owners interior arrangement plan and design.
3. Horizon offers basic neutral tone fabrics only for sofa, dinette, curtain, bedspreads as standard factory choice. Customer shall supply their own fabrics if they want other fabrics combination.



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