



HORIZON E70 MOTOR YACHT

2010 Standard Specifications (AU) (Annex A)

Date: 2010/2/26

L.O.A (Aussie Spec)	:	70'4"	(21.76M)
Beam	:	19'6"	(5.95M)
Freeboard (midship)	:	4'-9"	(1.45M)
Height (W.L. to top of arch)	:	26'-1/2"	(7.93M)
Deadrise (stern)	:	13	
Displacement (light app.)	:	112,200 lbs.	(50.9 tons)
Fuel	:	1,118 US gal.	(4,232 litres)
Water	:	349 US gal	(1,322 litres)
Holding tank capacity	:	200 gallons	(750 litres)

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 reduction.
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 reinforced bulkhead structure for extra safety.
10. International anti-fouling bottom paint, w/ anti-osmosis treatment.

Hull & deck exterior general:

1. FRP non-skid main deck. (option: Teak deck)
2. High bulwark w/ flush mounted deck lights.
3. Teak cap rail.
4. Stainless steel roller and chain stopper for anchor chain.
5. Vertical Elec. anchor winch "Maxwell VWC3500".
6. Stainless steel 220 Lbs. anchor.
7. High tensile 250 feet 1/2" anchor chain.
8. One Elec. Winch Maxwell vc2200 in Aft. Deck. (Option)*
9. Heavy-duty S/S #316 2" handrail w/ 1-1/4" stanchions.



10. Stainless flag pole on bow rail.
11. Two forward deck storage lockers on two side of front sunbath.
12. Forward deck FRP seat w/ cushion in front of sunbath.
13. Forward deck Sunbath w/ comfortable cushion & acrylic drink holders above.
14. S/S handrails surround Fwd. deck sunbath area.
15. One round escape hatch w/ screen under the sunbath cushion for access from FWD. cabin.
16. Heavy-duty 316# stainless steel cleats and fairlead w/rollers (max. 6 units).
17. Frameless windows tinted tempered safety glass.
18. 2 panes curved Stainless steel patio door w/ bronze reflective glass for saloon entrance.*
19. Stainless steel oval port lights w/screens (8 units).
20. Stainless steel vertical port lights w/ screens in master cabin P&S (6 units).
21. Built-in shower with hot/cold water in transom area.
22. Manual S/S Swimming ladder.
23. Aft deck seats w/ comfortable cushion and acrylic drink holders.
24. Aft deck high-low & sliding fiberglass dining table. (Option: Four Teak folding chairs)*
25. U-line BI-95 220V icemaker inside FRP cabinet in STBD of Aft. Deck.
26. Trend SS solid rub rail around hull deck joint.
27. Stainless steel handrails on both sides of aft deck stairs.
28. Two zinc anodes on transom.
29. Sunbrella or Vinyl exterior cushions (standard factory choice).
30. Lighting wiring for boat name on transom. (Custom design boat name plate is option)
31. Stairs from swimstep to aft deck in both sides.
32. Comfortable stairs from aft. Deck to F/B.
33. Seamless cover for fuel/water inlets in recessed boxes.
34. Two vertical cleats at corner of swimstep P&S for tighten Jet ski only.
35. LED white light with 24V DC transformer on Horizon group logo on P&S radar arch.
36. Hydraulic Hi-Lo teak swimming platform. (Option)*
37. Hyd. Opening garage in centre for one tender (Williams 325 type) storage including: (Option)*
 - 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 and fire alarm system

not including William 325 tender.
38. Custom made Aft. Deck enclosure w/ Stamoid fabric. (Option)
39. One escape hatch in Aft. Deck. W/ ladder to engine room.
40. Install under water lights. (Option)
41. Aft. Deck side boarding gate P&S. (Option)*



Flybridge:

1. Flybridge non-skid decks. (teak deck option)
2. Flybridge tinted acrylic windshield in stainless steel frame.
3. Instrument console in centre. w/ two S/S glass holders in both side.*
4. One single S/S helm chairs. "STIDD" in white.*
5. A convenient wet bar in port side & aft stbd side including: *
 - z FRP moulded sink.
 - z Fold down Faucet
 - z One unit of Barbecue (Siemens ET510501 30cm wide or similar type)
 - z Automatic electric cut-off switches for safe use of Barbecue grill.
 - z One refrigerator inside cabinet (ENGEL SR65E or similar type).
 - z Storage space below BBQ w/ teak grid.
 - z One piece FRP cover
 - z Integral stainless steel handrails around bar unit.
6. "L" shape seat next at stbd side (storages underneath) w/ fiberglass manually adjustable high-low table.
7. (Teak folding chair as option)*
8. One U-shape seat w/ fiberglass manually adjustable hi-low table in Aft. of F/B. *
9. Indirect lighting system under FRP seats.
10. Teak slatted wood drain panels under FRP seats for storages.
11. Stairway from Aft. Deck to flybridge w/ stainless steel handrails on one side.
12. LED step lights in each step stairs.
13. Stainless steel sliding open hatch on F/B stairway opening.
14. S/S rails on one side of the opening hatch.
15. Oversize drains w/strainers on each corner of flybridge deck with internal overboard drains.
16. Fiberglass hardtop w/ SS radar arch with two speakers underneath.
17. Buell dual air horn.
18. Flag pole on rear centre of flybridge.

Engine propulsion & steering system:

1. Twin CATERPILLAR C-18 ACERT/1150MHP Diesel engines w/ZF550A reduction gears.
2. Dual RACOR 75/1000MA fuel filters/water separator, each engine.
3. RACOR 500MA fuel filters on generator.
4. Stainless steel shafts AQUA TECH #17 HS (ç 3").
5. ABT Hyd. 38HP bow thrusters. (option: stern thrusters 38hp) *
6. High performance 4 blade propellers.
7. Main and intermediate bronze struts w/backing plates.
8. Shaft and rudder packing glands with maintenance free TIDES STRONG seals.
9. Elec. engine control system at flybridge & lower pilothouse.
10. Exhaust system for engines w/mufflers.
11. Hynautic power steering system dual stations.
12. S/S steering wheels on both stations.



13. Stainless steel emergency tiller.
14. Stainless steel rudder w/zinc plates.
15. Stainless steel wipers w/ wash system.
16. Variable speed control on each windshield wiper.
17. Hynautic hydraulic trim tabs 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. Four engine compartment blowers (two AC & two DC).
7. Delta-T moisture eliminator for engine air intakes.
8. S/S covers for engine exhaust pipes.
9. One Seafire fire extinguisher in engine room.
10. Automatic fire damper- DANAHER S24-09A4-06.
11. Engine load distributed on full length SS channels bonded to stringer.
12. Wema indicators and sensor for low oil pressure and high water temperature.
13. High-volume AC fresh water pressure pump and one DC pump for back up.
14. Fresh-water hose for filling engine and generator expansion tank.
15. FRP bilge fuel tank, and two Alum. Fuel tanks w/ sensor, electric gauges.
16. Heavy-duty sight gauges for fuel tanks with self-closing control valve.
17. Oil changes pump system for engine & generator.
18. Install air compressor for air horn.
19. Storage space in Formica finish next to garage accessed from engine room.
20. Rubber floor in storage space.
21. One GFI AC outlet in storage space.
22. Sea recovery AQM 900GPD/Day water maker. (Option)*
23. Centek mufflers for engine exhaust.

Electrical system:

1. 220V/50Hz electrical supply from generator or shore power.
2. Two 250V/50Amp shore power connections in Aft. One on each side.
3. Select switch for AC power supply.
4. Colour-coded wiring for easy identification.
5. One Onan 17.5 Kw & one 11.0kw (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 each 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 230v/50HZ inverter w/ control panel.
12. BEP battery switch (vapour proof).
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. One Mastervolt MVG 12V/120 AH gel cell battery for generator start up.
16. Main electric panel includes AC & DC circuit breakers.
17. 24 volt DC monitoring and main circuit breaker panel.
18. AC volt duplex receptacles located throughout including engine room.
19. VIMAR switches for lighting switches & receptacles.
20. GFI protection for AC required outlets.
21. Indirect lighting under valance in saloon, staterooms, pilothouse and galley.
22. Ellisse Intercom in salon, pilothouse, master stateroom, VIP stateroom, guest stateroom, engine room and F/B.
23. Exterior connector for shore phone and cable TV.
24. Electrolysis bonding system.
25. Power supply system for DC lighting.
26. Marine Air chill water system A/C for salon and each cabin, 6 units.
27. Air conditioning in utility room. (Option)*
28. Fire alarm system. (Option)*

Plumbing system:

1. 200 gallon holding tank w/macerator pump.
2. "Y" valve for holding tank dockside pump out.
3. Holding tank level w/ indicator.
4. Sump pumps for drains.
5. Marine grade lines for fresh water system.
6. One 20 Gal water heater.
7. Grundfos UP15-14BUT 230V hot water circulation pump.
8. 360 gallon FRP water tank.*
9. RULE electric bilge pumps.
10. High water bilge alarm.
11. Colour-coded piping system for easy identification.
12. Bilge exhausts fan ventilation Fwd.
13. "Trident hump hose" for engine exhaust.

Interior:

Standard layout: 3 staterooms with 3 heads

1. Carpet on saloon and cabin floors
2. Wood floor in pilothouse and galley.
3. Wood floor for stairway from saloon to down stairs.



4. High-quality Std. door locks & push button cabinet door locks.
5. Halogen ceiling lighting.
6. Shipyard standard ceiling speakers in each cabin.
7. High-density foam mattress with custom bedding covers.
8. Indirect lighting system under sofas, beds, curtain valances.
9. All stairways with safety light system.
10. Three double staterooms w/ unsuited heads & showers.
11. Headboard for berths with mirrored back walls.
12. Hanging locker cabinets in each cabin.
13. Car stereos in each cabin and flybridge max. 4 sets.
14. Removable interlocking vinyl-ceiling panels throughout.
15. Custom made louver for all Air. Conditioning outlets.
16. Fabric for curtain, bedspread for each cabin. (standard fabric book choice)

Master cabin:

1. King size bed w/ wood frame w/ drawers underneath.*
2. Two bedside cupboards w/ drawers.
3. Two wall lights.
4. Love sofa at port side.
5. Two full height hanging lockers w/ auto lighting.*
6. Valenty desk on Stbd. Side w/ one loose chair.*
7. Half height storage cabinet at Side. *
8. 3M sound insulation for ceiling.
9. 6 vertical port lights w/ screen for good view & natural lighting.(2 opening and 4 fixed.)
10. S/S storm cover for port lights. (option)
11. Carpet with underlay. (standard carpet book choice)
12. Custom made curtain, bedspread, and headboard. (standard fabric book choice)

VIP cabin:

1. Queen size bed w/ wood frame w/ drawers underneath.
2. Two bedside cupboards w/ drawers.
3. One full height hanging lockers w/ auto lighting at port side.*
4. Half height storage cabinet at both sides of bed. *
5. 2 overall port lights w/ screen for good view & natural lighting.
6. S/S storm cover for port lights. (option)
7. Carpet with underlay.
8. Custom made curtain, bedspread, and headboard. (standard fabric book choice)

Stbd. guest cabin:

1. Two side by side single bed w/ wood frame w/ drawers underneath.*



2. One bedside cupboard w/ drawers.
3. Two reading lights.
4. One full height hanging lockers w/ auto lighting.
5. Wooden overhead locker above single bed next to centre walkway.*
6. 1 overall port lights w/ screen for good view & natural lighting.
7. S/S storm cover for port light. (option)
8. Carpet with underlay. (standard carpet book choice)
9. Custom made curtain, bedspread, and headboard. (standard fabric book choice)

Port guest cabin: (option package)

1. Two single Hi-Lo bunks w/ wood frame w/ drawers underneath.
2. One bedside cupboard w/ drawers.
3. Two reading lights.
4. One full height hanging lockers w/ auto lighting.
5. 1 overall port lights w/ screen for good view & natural lighting.
6. S/S storm cover for port light. (option)
7. Carpet with underlay. (standard carpet book choice)
8. Custom made curtain, bedspread, and headboard. (standard fabric book choice)

Utility area behind master cabin:

1. Formica wall and ceiling.
2. Black rubber floor.
3. Formica cabinets for storage purpose.
4. 2 overall port lights w/ screen for natural lighting.
5. S/S storm cover for port lights. (option)
6. Ladder w/ teak step to salon.*
7. Water tight door to engine room.*
8. Air conditioning (Option)*

Utility area behind master cabin as crew cabin: (option package)

1. Formica for furniture, wall, ceiling.
2. Hi-Lo bunks with storage underneath.
3. Two reading lights.
4. One half height hanging lockers w/ auto lighting.
5. One full height hanging lockers w/ auto lighting between ladder and Hi-Lo bunks.
6. One Air conditioning.
7. Private Head w/ shower space, sink, faucet and Elec. toilet.
8. Corian counter top for FRP cabinet in head.
9. Seamless fiberglass finish in head.



10. Fiberglass nonslip floor in head.
11. Water proof plastic shower curtain for shower area in head.*
12. .Formica cabinets for storage purpose.
13. 2 overall port lights w/ screen for natural lighting.
14. S/S storm cover for port lights. (option)
15. Ladder w/ teak step to salon.
16. One CD car stereo.

Salon:

1. Lounge sofa w/ quality fabric at Stbd. side. (Option: leather)
2. Two corner cabinets at two side of sofa. (Option: leather)
3. One single sofa w/ quality fabric at Stbd. side. (Option: leather)
4. Two loose sofas at portside.
5. One putt in fabric next to salon table
6. Full high Storage cabinet under the stair case from Aft. Deck to F/B for TV and AV system.
7. Wooden coffee table with wood top.
8. Storage cabinets on port side.
9. Glass cupboard w/ acrylic shelves and halogen light on top of corner cabinets.
10. Install customer supply glasses. (if supply)
11. Carpet with underlay. (standard carpet book choice)
12. Custom made curtain. (standard fabric book choice)
13. Wood floor area near entrance

Galley / Pilothouse:

1. Storage cabinets in accordance to arrangement plan.
2. Wood floor in Galley. (Option: Granite or Corian floor) *
3. Corian counter top. (Option: Granite countertop) *
4. Stainless steel w/Faucet.
5. Storage lockers.
6. Install customer supply cutlery package. (if supply)
7. One Siemens refrigerator.
8. Siemens microwave oven w/ cook top above.
9. Exhaust blower above the cook top.
10. Stbd. side opening window in galley next to cook top.
11. One opening side door from galley to Stbd. Main deck.
12. Wood floor in pilot house and dinette area.
13. P/H well design helm console in black leather.
14. One single STIDD helm chair in P/H.
15. Storage cabinet under front windshield next to dinette.
16. "U" shape dinette sofa w/ fabric finished at port side.



17. Wooden dinette table w/ S/S sliding mechanism and base.
18. Internal stair case from dinette area to F/B. (option)*

Heads (3):

1. Corian counter tops and back splash in all heads. (Granite is available for option)
2. Wood floor in heads. (Granite and Corian are available for option)
3. Wood veneers for walls inside head.
4. Clear glass shower door w/ S/S handle for shower room
5. Fiberglass floors in all shower room.
6. Seamless fiberglass finish in all showers.
7. Grohe bathroom faucets & shower system.
8. Towel bars, rings, cup holders, brush for all heads. (standard type)
9. Plastic curtain for each port light.
10. One oval port light in each head.
11. S/S storm cover for port light. (option)
12. One GFI AC outlet in each head.
13. Tecma Elec. toilet in each Head.
14. Exhaust blower w/ light for each shower room.
15. Inlaid round china sink with wood cabinet.
16. Mirror above sink.
17. FRP ceiling panel. (option: black Formica ceiling)*

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. Wema fuel/ water level indicator system.
7. Install customer supply Navigational equipments.
8. One search light.



**** 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.