



## HORIZON E65 FLYBRIDGE MOTOR YACHT

2010 Standard Specifications (AUD) (Annex A)

Date: May 2010

L.O.A.	:	67'-4.5"	(20.42 M)
Beam	:	17'-5"	(5.3 M)
Draft (prop. tip clearance)	:	6'-1"	(1.85 M)
Freeboard (midship)	:	4'-6"	(1.37 M)
Height (W.L. to top of arch)	:	29'	(8.84 M)
Deadrise (stern)	:	12.1°	
Displacement (light app.)	:	90,389 lbs.	(41 tons )
Fuel	:	1,000 US gal.	(3,800 litres.)
Water	:	350 US gal	(1,330 litres )
Holding tank capacity	:	100 gallons	( 380 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. Nonskid main deck.
2. High bulwark w/ flush mounted deck lights.
3. Fiberglass cap rail.
4. Stainless steel roller and chain stopper for anchor chain.
5. Vertical Elec. anchor winch "MAXWELL VWC3500C".
6. Stainless steel 130 LBs anchor.
7. High tensile 200 feet  $\frac{3}{8}$ " anchor chain.
8. Freshwater anchor chain washes down.



9. Heavy-duty S/S #316 2" handrail w/ 1-1/4" stanchions.
10. Stainless flag pole on bow rail.
11. Forward deck storage lockers.
12. Forward deck seat w/backrest.
13. Sunbathing cushion on fwd deck w/drink holders.
14. Heavy-duty 316# stainless steel cleats and fairlead w/rollers..
15. Frameless windows tinted tempered safety glass.
16. Stainless steel curved sliding door w/screen for main saloon.
17. Stainless steel portholes w/screens.
18. Built-in shower with hot/cold water above swim platform behind opening panel.
19. Manual S/S Swimming ladder.
20. Aft deck seats w/drink holders.
21. Aft deck high-low fiberglass dining table.
22. TREND brand solid stainless steel rub rail around hull deck joint.
23. Stainless steel handrails on both sides of aft deck stairs.
24. Two zinc anodes on transom.
25. Sunbrella or Vinyl exterior cushions (standard factory choices.).
26. Lighting above anchor chain at bow under stainless steel cover.
27. Lighting recessed under side deck/ house.
28. Lighting for boat name on transom.
29. Modern spacious design transom integrated with curve aft deck seat and end tables P&S.
30. Two curved stairs from swimstep to aft deck w/curve S/S handrails.
31. Comfortable curved stairs from aft. Deck to F/B.
32. Seamless cover for fuel/water inlets in recessed boxes.
33. Two cleats at corner of swimstep P&S.
34. Water tight door from swimstep to aft. Quarters.
35. 2" S/S rails on swimstep.
36. LED white light with 24vdc transformer on Horizon group logo in P&S.

### **Flybridge:**

1. Nonskid flybridge decks.
2. Flybridge windshield in solid stainless frame.
3. Instrument console with curved sliding cover.
4. "U" shape seats w/ fiberglass high-low table.
5. Wet bar including sink, refrigerator (U-LINE 29R) & one unit Barbecue (Siemens ET510501 30cm wide).
6. Automatic electric cut-off switches for safe use of Barbecue grill.
7. Integral stainless steel handrails around bar unit.
8. Indirect lighting system under wet bar and seats.
9. Curved stairway from back deck to flybridge.
10. Stainless steel opening hatch on F/B stairway opening.
11. Oversize drains w/strainers on each corner of flybridge deck with internal overboard drains.



12. Fiberglass radar arch w/antenna bracket.
13. AFI Elec. Concealed air horns.
14. Space for dinghy or Jet Ski.
15. Flag staff on back of flybridge.
16. Comfortable curved seat beside F/B helm station P&S.
17. Fiberglass helm bench seat.
18. Teak slatted wood drain panels under seats for storage.

### **Engine propulsion & steering system:**

1. Twin Caterpillar C-12 ACERT/705hp diesel engines w/ZF325A 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 #22 HS.
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 engine control system at flybridge & lower pilothouse. (dual stations)
9. Exhaust system for engines w/mufflers.
10. Hynautic hydraulic steering system.
11. Custom steering wheels on both stations.
12. Stainless steel emergency tiller.
13. Stainless steel rudder w/zinc plates.
14. Exalto Stainless steel wipers w/wiper washer system.
15. Variable speed control on each windshield wiper.
16. Hynautic hydraulic trim tabs with indicators.
17. Apply dealer supply prop speed paint

### **Engine room and equipment:**

1. Well-planned spacious engine room w/comfortable black rubber floor.
2. Double sound & heat insulated material 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. One Seafire automatic/manual fire extinguisher in engine room.
7. Engine load distributed on steel channels bonded to stringer.
8. Engine alarm system for low oil pressure and high water temperature.
9. High-volume AC fresh water pressure pump and one DC pump for back up.
10. Fresh-water hose for filling engine and generator expansion tank.
11. Aluminium fuel tanks w/sight & electric gauges.
12. Heavy-duty sight gauges for fuel tank with self-closing control valve.
13. Oil change pumps system for engine & generator.



14. Heavy-duty engine room door.
15. White panel finish in engine room.

### **Electrical system:**

1. 220 volt electrical supply from generator or shore power.
2. Two shore power connections in Aft., 50Amp each.
3. Select switch for AC power supply.
4. Colour-coded wiring for easy identification.
5. One Onan generator MDKBN 11.0Kw (50 Hz) e-QD digital network function with sound shield.
6. Fiberglass water/smoke silent exhaust.
7. Mastervolt 50amp battery charger for engine start up batteries.
8. Mastervolt 25amp battery charger for generator start up battery.
9. Mastervolt 75amp battery charger with control panel for service batteries.
10. ACME ISO transformer TF2-79266 15KVA \* 2 sets
11. TWO Mastervolt 24/12V 20A- DC-DC converters.
12. BEP battery switch (vapour proof).
13. Four Mastervolt 200 AH gel cell batteries for engine start up.
14. Four Mastervolt 200 AH gel cell batteries for ship's service power.
15. One Mastervolt 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. Intercom in salon, pilothouse, master stateroom, VIP stateroom guest stateroom, engine room and F/B. (Max. 7 stations)
23. Exterior connector for shore phone and cable TV.
24. Electrolysis bonding system.
25. Power supply system for DC lighting.
26. Marine Air central system A/C for salon and each cabin, 6 units.
27. One LATRONIC LS-2324 24V 2300W inverter.

### **Plumbing system:**

1. 100 gallon 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. One 20-gallon water heater.
7. Stainless steel water tanks.
8. **RULE** electric bilge pumps.



9. High water bilge alarm.
10. Colour-coded piping system for easy identification.
11. Bilge exhausts fan ventilation Fwd.
12. "Trident hump hose" for engine exhaust.

### **Interior equipment:**

Standard layout: 3 staterooms with 2 bathrooms w/choice of timber colours

1. Austin Design Lighting System.
2. Choice of shipyard carpet on saloon and cabin floors
3. Wood floor pilothouse and galley.
4. High-quality Std. door locks push button cabinet door locks.
5. Halogen ceiling lighting.
6. High-density foam mattress with custom bedding covers.
7. Panoramic view in P/H.
8. Indirect lighting system under sofas, beds, curtain valances.
9. All stairways with safety light system.
10. Three double stateroom w/ ensuite head & shower for master.
11. Queen size bed in master stateroom.
12. Headboard for berths with mirrored back walls.
13. Auto sensor lighting in lower deck area.
14. TV cabinets in staterooms.
15. Hanging locker cabinets in staterooms.
16. P/H custom design helm console.
17. P/H overhead Monitoring System w/Red LED lights.
18. CD /Radio Sound systems in each cabins and flybridge, total Max. 4 sets.
19. Handmade Lighting boxes in each staterooms and Saloon.
20. Removable interlocking vinyl-ceiling panels throughout.
21. U-line BI-95 220V icemaker in Saloon.
22. 3M sound insulation for master ceiling.
23. Custom Alum. Louver for all Air. Conditioning outlets.
24. Single helm chair in P/H.
25. Port sliding door from P/H to side deck (one unit).

### **Galley:**

1. Storage cabinets in accordance to arrangement plan.
2. Stainless steel sink w/Faucet and GE GFC701F garbage disposal.
3. SIEMENS KI38LA50 (or similar type) refrigerator.
4. SIEMENS ET735501 electric cook top with exhaust blower above.
5. SIEMENS HB884570 microwave convection oven.
6. Large storage lockers.



7. Galley marble or granite counter top.
8. Wood floor in Galley.

### **Heads (2):**

1. Marble or granite counter tops and back splash in all heads.
2. Wood floor in heads.
3. Fiberglass floors in all shower rooms.
4. Seamless fiberglass finish in all showers.
5. Towel bars, rings, cup holders, brush, etc. for all heads.
6. **Tecma** flush toilets in each bathroom.
7. Exhaust blower for each head.
8. Inlaid sink with curve wood face.
9. Mirror door for cabinet above sink.

### **Rear accommodation arrangement plan: (option)**

In accordance w/ arrangement plan – to include crew quarter with:

1. Jabsco elec. head and shower
2. Hanging locker
3. Double bed
4. Storage locker.
5. Marine Air Central system A/C
6. Wiring for TV
7. Ellisse Intercom.
8. S/S Portholes P & S
9. Mirror on wall.

### **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. WEMAR fuel/ water level indicator system.

All other navigational equipment is an owner option.

**\*\* 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.