



MOTOR YACHTS

Vessel Specifications

Vessel Particulars

Length Overall (Including bow rail & hydraulic swim platform)	54'7" 16.7 m
Hull Length	47' 14.35m
Waterline Length	43'8" 13.32m
Beam	14' 4.25 m
Draft To Propellers (approx.)	3'11" 1.2 m
Air Draft (to hardtop)	9'6" 2.90 m
Lightship Displacement	36,376 lb 15,800 kg
Loaded Displacement	
Displacement to be confirmed during stability test	
Engine Package 2x Cummins QSB	2x 480 HP 2x 353 kW
Fuel Capacity	646 US Gal. 2450 L
Fresh Water Capacity	200 US Gal. 756 L
Black Water Holding Capacity	33 US Gal 125 L

Whole of Ship

- Premium Alaska colour palette
- High gloss African Cherry interior
- Deckhead and bulkhead linings
- Teak and holly deck lining throughout interior
- Vinyl deckhead lining with Fastmount clips on all panels
- All hardware to have a polished chrome / mirror finish stainless steel finish
- Curtains, blinds and deck hatch screens
- VIMAR light switches and power points throughout vessel. All with chrome bezels with black switch inserts
- All power points to include double USB outlets where possible
- All power points to carry certification for use in Australian applications (for example VIMAR Idea 16261)
- Take care with location of power points with respect to sinks (See Australian Standard 3000). No power points to be mounted on horizontal surfaces
- Gineico LED warm white downlights, round with polished chrome bezel
- LED courtesy lights (approx. 21) throughout interior
- Diffused warm white led rope lighting in deckhead panels and pelmets
- Rule 1500 bilge pumps throughout vessel including non return valves, rule float switches and high water alarm. Lazarette to have its own bilge pumping system
- Aim for a self explanatory engineering and electrical system.
- All valves and switches to be labelled
- No hand writing or markings on any pipes or wiring
- Flow coat finish required behind all inspection panels

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- Flow coat all spaces prior to installation of pipes and wires. All flowcoat on pipes, wire or equipment to be removed.
- Resin coat all plywood end grain in all spaces throughout vessel.
- All exterior lockers and drawers to have rubber gasket and reticulated drains
- Covers for aft deck table, interior table, dash and steering wheel. Table covers to have a hard interlayer
- All tapware and ensuite hardware to be form a matching series from Grohe catalog.
- All exterior taps to suit Australian hose fittings, ie 3/4" or 1" BSP thread
- Pyrotek sound paint to be applied:
 - o 400mm band centred on waterline between forward cabin and engine room
 - o Bulkheads, deckheads and sides of engine room
- Blum drawer system throughout vessel interior including galley, cabins and ensuites. Exterior drawers shall be stainless steel runners and hardware
- All interior lockers to use Blum soft close hinges
- Any cables to be prewired are to terminated safely in a labelled junction box
- All seacocks pre-plumbed are to be supplied with a cap
- All stainless steel components including and not limited to, all fabricated components, fasteners, hose clamps, pipe saddles, hinges, hardware and railings are to be 316 stainless steel unless explicitly noted in this specification
- All below waterline skin fittings to be bronze or brass. Where brass is used it shall be stamped or certified as dezincification resistant. Ball valves similar but 316 stainless steel also permitted.
- No zip ties to be used to secure pipework
- All hose clamps must be solid band - no perforated hose clamps to be used
- All flexible hoses larger than 25mm in diameter are to be double clamped
- No PVC wire helix hose to be used
- No GRP shell penetrations (other than exhausts) are to be used – all skin fittings are to be metallic.

Hull, Superstructure, and Deck

- Exclusive Alaska hull designed for comfort, safety and efficiency
- Hull structural design and construction to be common with previous, proven vessels except where noted
- "Pure White" DSM Neogel 8373 gelcoat
- Hand laminated fibreglass hull using DSM ATLAC 430 Vinylester resin (tie layer and exterior secondary bonding) and DSM P61 TV-956N orthophthalic polyester resin (generally) with chop strand mat and woven roving to exceed the requirements of ISO 12215 design category B.
- Exterior deck hand laminated fibreglass with PVC foam or plywood core.
- Bulkheads and inner decks vacuum bagged PVC core
- Hull deck join bonded with Sika adhesive, through bolted at 9" centres and overlaminated with fiberglass
- Hull samples in way of fittings to be labelled and retained for quality assurance
- Resin and reinforcement batch numbers to be recorded
- Lamination only permitted when temperature and humidity is within the manufacturers recommendations.
- Environmental conditions in shed to be recorded.
- 2 coats of Seahawk Cukote black antifoul system over 2 coats of epoxy primer.
- Propspeed to shafts, propellers, thruster propellers, rudders and A brackets
- Trim tabs to be antifouled top and bottom
- 4" hull stripe above antifoul with 1" white accent

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- All windows to be compliant with ISO 12216, Thermally Toughened with a certified minimum tensile strength of 150 MPa. All windows require ceramic borders with dot pattern frit detail. All glass require heat soaking

Engine Room and Engineering Systems

- QSB 6.7L 480 HP engines with ZF 85A Gearboxes
- Stainless steel engine beds
- Exhaust jackets on dry components of exhaust system
- Underwater exhaust with bypass through transom. Bypass exhaust to include Vetus silencer.
- 2x Aquamet 22 propeller shafts, material certificates for shafts to be provided
- FRP stern tube
- Morse shaft bearings
- Tide shaft seals with spare seal carrier
- Shaft brush connected to bonding system
- Bronze A bracket
- Four blade nickel aluminium bronze propeller
- Stainless steel ruder, rudder stocks and rudder stops and tie
- Emergency tiller
- VDO rudder angle indicator
- Teleflex hydraulic steering system
- All hydraulic plumbing to be made in suitable flexible hose with swaged ends. Do not use copper.
- SP130 electric bow thruster, with separate battery and charger located in forward cabin (no cost option)
- SP100 stern thruster
- 14" electrohydraulic trim tabs
- 2x S/S fuel tanks, pressure tested for to 3 PSI for period of 30 minutes with no pressure drop
- Fuel sight tubes with self closing valves, graduated calibration chart with diffused LED rope backlighting
- All fuel to be made in suitable (A1), certified hose with swaged ends. Do not use copper
- 2x Racor 900 fuel filters for main engines
- 1x Racor 500 fuel filter for generator
- No isolation valves on return fuel lines
- 50mm fuel balance line
- 2" Raw water system for engines including sea cocks and strainers
- 1" raw water system for generator including sea cock and strainer
- Faired and painted engine room bilge, limbered and free flowing to forward engine room bulkhead. Bilge water must flow freely and not pond anyway except at pump.
- Engine room floor boards, recessed into bilge for more head clearance, nonskid foam or rubber tile finish
- Engine room acoustic and thermal insulation
- Colour coded hot and cold fresh water lines
- Headhunter 24v fresh water pressure pump (without accumulator)
- Redundant Jabsco ParMax fresh water pump (without accumulator) that can be selected with change over valves
- Hand operated bilge pump
- Macerator discharge pump with vented loop
- 125L FRP holding tank
- 9.5kW Cummins Onan MDKBL with sound shield
- Gas/water separator for generator exhaust

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- 12k+12k BTU MarineAir direct expansion air conditioning system for saloon
- 10k+7k BTU MarineAir direct expansion air conditioning system for cabins
- Air conditioners to have condensate drains lead to sump box
- 2x Engine Room extractor fans
- Acrylic side doors must not cover engine room air vents when open
- 8x Hella White LED DuraLED 50LP Wide Spread
- Diffused blue LED rope lighting below engines
- Fresh water outlet in engine room
- 38L water 240v AC water heater

Tiller Flat

- Tiller flat bulkhead water tight to engine room
- 4x Hella White LED DuraLED 36deckhead lights
- Stainless steel fresh water tanks, 756L capacity
- No shore water connection
- Fresh water outlet
- Stainless steel ladder for access
- Prewired and pre plumbed for 80L/hr water maker, including salt water supply, salt water discharge and product piping, valves, and skin fittings.
- Highly structural plinth to suit gyro stabilizer at a later date. Prewire for stabilizer. • Powered Ventilation to and engine room

Electrical System

Electrical system to be designed and installed in compliance with Australian Standard 3000.

- Colour coded AC & DC wiring system, compliant with Australian Standard 3000
 - o Earth and Bonding: Green/Yellow
 - o AC 240v Neutral: Light Blue
 - o AC 240v Active: Brown
 - o 24v Positive: Red
 - o 24v Negative: Black
- DNV or similar class approved cables
- At completion, an electrical contractors statement shall be provided and the following tests will be performed by a qualified Australian electrician
 - o Insulation Test
 - o Mega Test
 - o RCD Trip Time
 - o Low Ohm Reading Test
 - o Silver chloride test for Electrolysis
- One Solid Copper Earth Plate for generator
- Particular attention is to be paid to location of power outlets with respect to sinks
- Earth pin on all outlets pointing down

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- No power outlets are to be located on horizontal surfaces
- BEP 220v AC and 24v DC distribution board
- BEP 24v power monitoring panels
- Bilge pumps to have circuit breakers not fuses
- Local isolation switches on all hard wired AC equipment, including chargers, air conditioners and pumps
- Fire resistant perimeter to all switchboards and distribution boards
- Copper bonding strap throughout vessel
- All metallic components in contact with salt water, including all sea cocks, stainless steel fabricated manifolds, all skin fittings and all salt water cooled equipment to be electrically bonded to bonding strap using 4mm² cable and ring lugs.
- Shaft brushes connected to bonding system
- Transom anodes connected to bonding system
- Shaft anodes
- 2x 200 A.hr AGM batteries for house supply (24v)
- 2x 200 A.hr AGM engine starting batteries for engine start (24v)
- 1x 100 A.hr AGM battery for generator
- 1x 200 AGM for windlass and bow thruster
- GRP battery boxes for each bank, gelcoat finish with straps for batteries.
- No fuses or switch gear to be located inside the battery boxes

Isolation switches on all batteries

- Victron 3 channel battery charger for Port Engine Start, Stbd Engine Start and Stern Thruster
- Victron battery charger for House Battery
- Battery charger for Bow Thruster/windlass (located in guest cabin)
- Generator battery to be charged via VSR
- 3kW Victron inverter powering the following circuits:
 - Galley Fridge
 - Galley freezer
 - TV
 - Galley power outlets
 - o TV and entertainment outlets
 - o Spare circuits
- 15A single phase shore power socket , Clipsal IP66 rating
- 15m Shore power cable with IP66 Clipsal 3 pin plug

Cockpit & Swim Platform

- 316 S/S ladder in locker with cover
- Hot/Cold hand held shower head
- Swim platform console with sink and storage and corian top
- Hatch for lazarette and engine room with gas struts and gutters
- Waterproof shore power inlet plug
- GRP module L shape settee with drawers under Feature table with stainless steel post. When folded stainless steel grab rails are visible.

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- Larger than standard post with no visible fasteners
- GRP module stbd side with fridge below and vent and corian top
- GRP module port side with icemaker below and vent and corian top.
- Stainless steel glass bifold door
- Stainless steel hopper opening window
- 4x IP67 LED warm white downlights
- 12mm Teak to cockpit and swim platform. Bonded without screws
- Snap davits for tender
- Breezeways around cockpit
- Fresh water and salt water outlets
- Extended swim platform (GRP/teak board, no mechanism)
- 1x 316 S/S cleats per side
- Spiggots in aft rail to suit Southern Stainless 240v cookout BBQ and bait bord (simultaneously)
- IP66 240v 15A exterior power point for BBQ

Side Decks & Foredeck

- Moulded nonskid finish
- 1x Stainless steel 27kg CQR plow anchor with 80m of stainless steel chain
- Muir VRC 2500 24v anchor windlass
- Foot switch for windlass
- Chain "bitter end" to be lashed to padeye at top of chain locker
- 2x chain locker hatches
- 2x 2 1/8" chain locker drains
- FRP anchor platform with pulpit
- FRP moulded dam around bowsprit to prevent mud from anchor draining onto deck as per Alaska 47 • 316 s/s anchor roller
- 1x Cruciform bitt behind anchor roller
- 4x 316 S/S cleats per side
- 316 s/s bow rail, 38mm top rail with blue courtesy lights under, 32mm stanchions, 316 s/s life lines bow rail
- 316 s/s rub rail
- FRP cap rail
- 3x Manship stainless frame deck hatches, certified to ISO 12216 Area 2a
- 3x (per side) Manship stainless steel framed deck hatches, certified to ISO 122166 Area 3
- Stainless steel flag pole holders, Forward and aft
- Varnished timber flag poles, forward and aft
- Fuel and water tank vents with goosenecks
- 316 S/S Fuel fillers fittings, port and stbd, labelled
- 316 S/S Water filler, labelled
- 316 S/S Holding tank pump out, labeled
- 3x Stainless steel wipers, 28" arm and 22" blade kit
- 3x IP67 Warm White LED down lights per side
- 5x Hella Marine Blue Courtesy lights per side
- 2x IP67 chain locker lights
- 2x Courtesy lights below windlass – switch with chain locker lights to indicate when chain locker light is on.
- Port and stbd side deck boarding gates
- Single stbd side transom door

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- Sunbrella “Biscuit” exterior lounge
- Fresh water and salt water outlets in chain locker
- IP53 240v Outlet in chain locker
- Acrylic side doors with stainless steel hardware and Alaska Logo.
- Acrylic side doors must not cover engine room air vents when open
- Acrylic side doors must be open when underway • Storage bin in chain locker, port side

Housetop

- Moulded non skid
- 1x Manship, stainless framed 600mm deck hatch, certified ISO 12216 for Area 2a
- 316 S/S ladder
- Hinged FRP mast
- Mast wired with TV antenna cable to saloon and master cabin via splitter/amplifier in helm dash • Electric horn
- LED Navigation Lights (Steaming, anchor, stern, port side, stbd side), 3NM visibility for steaming lighth, 2NM visibility for other lights
- Motorized Search light
- Prewire for digital TV antenna
- VHF and AIS antenna
- GPS antennas
- Anemometer
- Quantum Q24C 18” radar
- Wire to headliner for installation of solar panels at a later date.
- 2x Hella flood lights to swim platform

Saloon

- L shaped sofa, trimmed in Ultraleather or similar with drawers under
- Feature table with high/low leg
- Gloss varnished deckhead timber grab rail with stainless steel bases
- Blockout / flyscreen blind to deck hatch
- Fusion entertainment package

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- 28" LED TV on swivel bracket so it can be orientated to cockpit
- 12x Warm White LED down lights (includes galley and helm)
- 2x 12k BTU Air Conditioner Air handlers
- 2x Air conditioning outlets (high) and one return (low)
- Condensation drains lead to sump box

Galley

- Galley cabinets with Corian benchtops with corian splash back and raised edges
- Lid over sink (ensure lid can be fitted in all orientations)
- Grohe sink mixer
- Single undermount white sink with cage style plug
- Isotherm CR90F
- Isotherm CR130D
- Isotherm CRUISE 65
- Range hood over hob
- Blum drawer system
- prewire for dishwasher
- 4 burner electric cooktop
- prewire for microwave
- crockery and glassware package

Helm (Including navigation equipment and antennas)

- Vinyl dash panel.
- Upholstered horizontal surface at front windows and dash module to be taupe
- Timber and stainless steel steering wheel
- Bench style trimmed seat at helm
- AC and DC Switchboard, timber framed with acrylic sliding doors
- Cummins electronic engine controls
- Engine warning/alarm including over heat and low oil pressure at helm.
- Engine start/stop panels
- Bow/stern thruster controls
- Trim tab control panel
- Windlass control panel with chain counter
- Wiper control panel
- Battery charger monitor
- Bilge pump controls
- 24v Outlet
- 100mm Compass (weighted for southern hemisphere)
- Fuel, fresh water and holding tank level indicators
- 1x Raymarine 15" Axiom navigation screen
- Wind speed indicator

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- AIS send and receive
- Quantum Q24C 18" radar
- Other navigation and vessel management systems
- Search light control
- Horn control
- Autopilot (Autopilot compass located in master cabin wardrobe, extreme stbd side)
- 2x Red/white LED lights over helm, matching saloon lights

Stairs and Companionway

- Gloss varnished hand rail timber grab rail with stainless steel bases
- Upholstered bulkhead lining panels with aluminium inserts
- 3x Warm White LED down lights
- Diffused rope lighting on interior stairs
- Lift up stairs with gas strut
- LED Light in locker under stairs
- Wiring and plumbing for installation of washing machine under stairs
- Storage locker port side, soft close hinges
- Bilge spaces illuminated with LED lighting with door sensor switch
- Manship opening portholes with mosquito screens, certified for ISO 12216 for Area 2a • Feature window, impact resistant glass as per ISO 12216

Master Stateroom

- Queen sized island bed
- Lift up bed frame with gas struts for storage
- 2x 3/4 high hanging locker, cedar lined. LED light with door sensor switch
- Feature window, impact resistant glass as per ISO 12216
- 5x Warm White LED down lights
- 2x LED reading lights
- Feature bed head
- Timber and vinyl feature panel above bed
- Timber and vinyl lockers to access switchboard and helm electronics
- No acrylic panels beside bed – replace with upholstered panel
- Bedside cabinets with Blum drawer system
- Wall mounted TV
- Suede lined make up bureau with mirror, stbd side
- 10k BTU Air Conditioner Air handlers

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- Condensation drains lead to sump box
- Custom mattress

Master Head

- Moulded FRP shower tray, teak grate
- Sliding Laminated Tempered Safety Glass shower screen – requires latch
- Sliding Laminated Tempered Safety Glass door – requires latch
- Shower mixer
- Single Shower head on rail
- “Natural Rain” deckhead mounted shower head
- Vanity with Grohe basin mixer
- Corian benchtop
- White on-bench sink
- Mirror
- Medicine cabinet, mirrored doors
- Towel rail
- Hand towel ring
- Toilet roll holder
- 2x IP67 Warm White LED down lights
- Mechanical air vent / fan
- Tecma Silent Plus 2G electric toilet, fresh water flush
- Discharge valve to either tank or directly overboard. Direct overboard fitting requires vented loop
- Diffused LED rope lighting around vanity

Guest Stateroom

- V berth with infill cushion
- 3/4 high hanging locker, cedar lined. LED light with door sensor switch
- Blum System drawers below beds
- Blockout / flyscreen blind to deck hatch
- Vinyl bulkhead lining panels
- 2x LED Reading lights (aft End)
- Lockers with mirror finish doors
- 7k BTU Air Conditioner Air handlers
- Condensation drains lead to sump box
- No TV
- Custom mattress

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Guest Head

- Moulded FRP shower tray, teak grate
- Shower mixer
- Single Shower head on rail
- Vanity with Grohe basin mixer
- Gaskets to below bench lockers
- Corian benchtop
- White on-bench sink
- Mirror
- Medicine cabinet with mirror doors
- Towel hook
- Hand towel ring
- Toilet roll holder in locker below bench
- Mechanical air vent / fan
- Diffused LED rope lighting around vanity
- Tecma Silent Plus 2G electric toilet, fresh water flush
- Discharge valve to either tank or directly overboard. Direct overboard fitting requires vented loop

Dealer Fitted Items

- Carpet (Main deck + accomodation)
- Aft Lounge cushions including starboard bench seat
- Linens throughout vessel
- Window covers & breezeways
- Hydraulic swim platform
- Washing machine
- Dishwasher (in dishdrawer form factor)
- Microwave oven
- Barbeque & baitboard fitted to aft
- Ropes & fenders
- Offshore safety kit
- First Aid Kit
- EPIRB
- Vessel manual organisers

Dealer Fitted Optional additions

- Watermaker
- Gyroscopic stabilisation
- Foredeck sunpad
- Helm chairs to replace bench seating with 'Alaska' logo in stainless steel
- Name & Registration design and fitting
- Tender & outboard

End of Specification

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