

## Cromarty 36 Specification

### HULL

- G.R.P. Hand Lay-Up in Isophthalic Gel coat and Resin comprising two coloured Gel Coats above the Waterline and one Clear Gel Coat Below. Topsides to Above Waterline, 10ozs of Chopped Strand Mat and an 18oz Woven Rovings. Above Waterline to Bottom of Hull 12ozs of C.S.M. and 18oz Woven Rovings. Bottom of Hull Round Keel Tuck 16ozs of C.S.M. and Two 18oz Woven Rovings. Keel Section, 20oz of C.S.M. and Two 18oz Woven Rovings.
- After End of Keel Solid Filled to take Rudder Skeg Bolts. Filling covered with an 18oz C.S.M. to Preserve Watertight
- Encapsulated 3 ton Cast Iron Ballast, in Three Sections, fitted in forward end of Keel Profile. Ballast bedded in Resin Mix and levelled off with 8oz C.S.M. tapered off over the Hull surface by a minimum of 12" (300 mm) port and starboard. After end of keel left open to form a Deep Bilge Water Sump.
- Two Polyurethane Foam Stringers each Side 75mm\*50mm Moulded Into Hull.
- Forward Chain Locker bulkhead, Mid Fore Cabin bulkhead, After Forward Cabin bulkhead, Fwd. Toilet Forward bulkhead, Forward and After deck Saloon bulkheads and After Cabin Forward and After Bulkheads all in 15mm WBP Plywood. Bonded on both sides with 6oz G.R.P. Laminate 4" on Hull and 4" on the bulkheads. Bulkheads faced during fit out with Teak faced Plywood or Laminate as required. All visible internal faces of Hull Gelled.

### DECK

- One Piece Deck Moulding bolted to inward flange of Hull at 150mm centres with 6mm dia
- Stainless Steel Machine Screws and bedded down on Marine Sealing Compound. Two White Gelcoats followed by 6ozs of C.S.M., 18mm End Grain Balsa Core in Side Decks, Coachroof, Deck Saloon Roof. After Deck and Seats. 18mm Plywood in way of Through Bolted Deck Fittings. 4ozs of C.S.M. over All giving total of 10ozs C.S.M. Solid Laminate in Coachroof and Deck Saloon sides.
- Deck Moulding incorporates Side Decks, Coachroof. Deck Saloon Bulwarks and After Deck Seating with Anchor Chain Locker Lids, Gas Bottle Locker and lid, Main Hatch Garage and After

Deck Locker as separate Mouldings installed during Fit Out

### Standard Specification

#### Hull gel coat

- 2 off coats of pigmented gelcoat above W.L
- 1 off coat of clear gel below W.L
- If copperclad is used this is applied in addition to the clear gel below the W.L.
- Hull Layup.
- A-E 1 x 600 grm powder bound CSM against gelcoat.
- A-E 2 x 600 grm CSM
- B-E 1 x 600 grm CSM
- B-E 1 x 600 grm WR
- C-E 2 x 600 grm CSM
- C-E 2 x 600 grm CSM
- A-E 1 x 600 grm CSM
- A-E 1 x 600 grm WR
- A-E 2 x 600 grm CSM

All above lay-up laminated using clear isophthalic polyester resin.

#### Stringers

- 75mm x 50 mm foam former overlaminated with 3 x 600 grm CSM
- 1 x 600 grm WR on top face only.

#### Ballast

- Bond over with 4 x 600 grm CSM carried up hull sides minimum of 300mm.

### DECK FITTINGS

- Stemhead Fitting--heavy duty 316 Stainless Steel Fabrication comprising Base Plate and three vertical Flanges incorporating Stowage for 45lb. C.Q.R. Anchor. Two Nylon Rollers to be fitted between Flanges. Central Flange drilled to take Forestay Rigging Screw and Toggle. Bobstay to Lower Stem.
- Manual Windlass - Bolted through specially reinforced windlass platform with chain lead down through hawse pipe.

#### Vent

- One off S.S louver vent into chain locker.

### BOW PULPIT

- Bow Pulpit-- In 25mm O.D. 316 Polished Stainless Steel Tube. Four Legs with Single Top Rail and Lower Rail between After Two legs. Brackets for Port and Starboard Lights. Lugs on After Legs to take Twin Guardwires.

**TOERAIL**

- Solid Teak Toerail fitted

**STANCHIONS**

- Eight Off 610mm high 25mm O.D. polished 316 Stainless Steel plus two Braced Stanchions Forward of the Gateways. All fitted into Stainless Steel Socket Bases.

**AFTER PULPIT**

- After Pulpit- around whole of After Deck from the Gateways comprising of Ten Off 610mm High Stanchions with Round Section Upper 25mm O.D. Lower Rail in 25mm O.D. Stainless Steel Tube extending from Gates to either side of Centre Section.

**ANCHOR WELL LIDS**

- Fitted with two Hinges each and a Chrome Plated Flush Ring.

**FOREHATCH**

- Fore hatch - Alloy framed over fore cabin with Perspex Centre.

**Mooring Cleats**

- 2 off 10" through bolted port and stbd into toerail plus 2 aft. All with anti-chafing strips SS

**VENTILATORS**

- Stainless Steel ventilators supplied and fitted in Main Cabin. Toilets - forward & aft, and Galley Area.

**Genoa Tracks**

- Two off 30mm. wide S.S tracks 1800mm long complete with end stops and single blocks on sliders through bolted on side decks.

**GAS BOTTLE LOCKER**

- Gas locker installed in aft locker with gas installation and certification for cooker in galley. Locker drain through topsides

**WINDOWS**

- Alloy Framed Hinged Opening Windows fitted into Coachroof Sides, into Forecabin, Galley, Forward and After Toilets and both sides of After Cabin.

**DECK SALOON WINDOWS**

- Fitted with three Windows in Fwd. Face and two Windows Port and Starboard. One Hatch fitted to Starboard. Side on After Face of Deck Saloon And one on Deck Saloon Roof. Centre Forward window hinges open, Side Windows Port and Starboard Windows Fixed
- Deck Saloon Windows fitted with plain 6mm Toughened Glass, Hatches and Opening Coachroof Side Windows in Acrylic.

**DECK SALOON STEPS**

- Single G.R.P. Steps moulded to Pillars each side of Central Forward Deck Saloon Window. Each step with solid teak non-slip finish.

**GRABRAILS**

- Forward Coachroof fitted with Oval Teak Grabrails 550 mm Long and through bolted. Deck Saloon Rails fitted with 25mm O.D. 316 Tubular Grabrails 1700mm long.

**MAIN COMPANIONWAY**

- Fitted with two Oiled Teak and Plywood Panelled Doors with Teak Louvres outside. G.R.P. Sliding Hatch above doors. Shoot Bolts and Cabin Hooks to secure in Open and Closed positions.

**CHAIN PLATES**

- Main Mast Shrouds attached to six off Chain Plates 50mm Wide by 380mm long by 6mm thick with doublers at upper ends. Through bolted to Coachroof Sides with four off 10mm Hexagon Headed bolts.
- Mizzen Mast Fwd. Lower Shrouds- Rigged U- Bolts Type Chainplates Fitted into After Deck Saloon.
- Main Mast Backstays and Mizzen after Lower and Capshrouds-attached to single 6mm Stainless Steel Chain Plate through bolted with six off 10mm Hexagon Headed Stainless Steel Bolts to After Cabin Coach Roof Side.

**HATCH**

- After Cabin Opening Deck Hatch- Per Forecabin.

**GRABHANDLES**

- Stainless Steel on top of Coaming / Backrest of Fwd. After Deck Seat and at both ends of seats.

**AFTER DECK LOCKER LID**

- Fitted with hinges and two Stainless Steel

Catches, one Stainless Louvre Vent in Seat, Flush Fitting handle in Locker Lid Face.

## MASTS and SPARS

### \* All UK supplied and fitted

Main Mast for in-mast furling sail

- Deck Stepped Single Spreader Masthead Rig
- Mast Height - 12.070m Section NMP 227-119 Anodised Silver
- Complete with the following
- Masthead Box c/w Halyard Sheaves for Main, Main Boom T/Lift & Genoa
- Tri-Atic Fitting
- Forestay & Backstay Toggles
- Burgee Block
- Slot Liner for 1 off Spinnaker Halyard - Internal
- Shroud Terminal Backing Plates for Caps, Fore & Aft Lowers
- Spinnaker Pole Topping Lift Box
- Aerofoil Spreaders & Mast Brackets
- Sail Gate Entry
- Fixed Gooseneck, Reef Horns & Toggle Assembly
- Slot Liners for 5 off Internal Halyards
- Halyard Cleats as required
- Kicker Bracket & Toggle to suit Rod Kicker
- Messengers for 5 off Internal Halyards
- T-Bar Mast Step
- Integral Conduit to Masthead
- Sound Deadening Pads fitted

Main Boom based on 'E' 3.700m in 152- 82 Section, Anodised Silver c/w Provision for 3 Reefs Internal, Outhaul Purchase & Clew Car, all on Integral Jammers.

Stainless Steel Investment Castings for Mainsheet & Kicker

Mizzen Mast

- Deck Stepped Single Spreader
- Mast height - 8.534m Section 156-87 Anodised Silver
- Complete with the following
- Masthead Box c/w Halyard Sheaves for Mizzen, Mizzen Topping Lift & Staysail
- Backstay Toggle for Twin Backstays
- Provision for Tri-Atic
- Shroud Terminal Backing Plates for Caps, Fore & Aft Lowers
- Aerofoil Spreaders & Mast Brackets ( Angled Aft 30deg)
- Sail Gate Entry

- Fixed Gooseneck, Reef Horns & Toggle Assembly
- Halyard Cleats as required
- Slot Liners for Internal halyards – 3 off
- Messengers for 3 off Internal Halyards
- Mast heel Casting
- T-Bar Mast Step
- Integral Conduit to Masthead
- Sound Deadening Pads fitted

Mizzen Boom based on 'EY' 2.590m in 120-62 Section, Anodised Silver c/w Provision for 2 Reefs Internal, Outhaul Purchase & Slug Slide, all on Integral Jammers and Fittings for Mizzen Sheet

## SAILS (all UK supplied and fitted)

Mainsail, in-mast furling

- Area 218 sq. ft ( 19.67 sq m ) in 9 oz. UK (310 gms/sq m ) Dacron sailcloth
- Stitching upgrade to 2 rows of 3-step stitching and wide seams included
- Main sail cover standard canvas.

Mizzen sail, standard battens

- Area 124 sq. ft ( 11.52 sq m ) in 9 oz. UK (310 gms/sq m ) Dacron sailcloth
- Stitching upgrade to 2 rows of 3-step stitching and wide seams included.
- Stak Pak lazy jack system installed

Furling genoa

- Crosscut area 303 sq. ft (8.15 sq m)(150%) in 8 oz. UK (270 gms ) Dacron sailcloth
- UV strip on the leech and the foot
- Foam luff insert
- Stitching upgrade included.

## DECK SAIL FITTINGS

### Genoa Sheet Winch

- One off plain size 46 sheet winch mounted on after cabin coachroof between deck hatch and port side chain plate complete with plain 10" handle.

### Genoa Sheet turning blocks

- 07 off fitted on after cabin coach roof to lead Genoa sheets to sheet winch. Harken type.

### Main sheet Deck Blocks

- One off single block and one off single and Becket block attached to deck plates on deck saloon roof abaft deck saloon roof hatch.

**Mizzen Sheet Deck Blocks**

- Double block shackled to rope strop on after pulpit to raise clear of after seating.

**Other Winches**

- Main sheet Self-tailing winch size 36 Mounted to starboard of upper helm compass. Cleat below.
- Mizzen sheet winch mounted port side behind upper helm position
- Mizzen Halyard winch on Mizzen Mast
- Main mast winch size 36
- All other sail deck fittings , blocks and jammers as specified by Marine Architect

**DECK SURFACE**

- All horizontal deck surfaces fitted with teak planking side decks coachroofs, foredeck, after deck, deck saloon roof and afterdeck seats.

**DECK DRAINS**

- One off 36mm internal diameter in each side deck at lowest sheer leading to nylon skin fittings above the waterline. One off 36mm drain in upper helm position floor leading down inside aft cabin hanging locker to seacock in hull. 04 off moulded scuppers 2 Port and 2 stbd (150x70) to drain side decks.

**Anchor, Chain, Mooring warps and fenders.**

- 451B (20kg.) CQR anchor stowed in stemhead fitting and connected to 15 fathom of 9.5mm galv. Chain anchor chain stowed in self-draining GRP lined well

**STEERING GEAR**

- Hydraulic System
- Two position steering with one wheel in Deck Saloon port side and one on Deck to starboard side of main companionway.
- Rudder in heavy duty G.R.P. with 36 mm diameter 316 stainless steel stock and internal stiffening with triangular structure in 75 mm x 6mm stainless steel plate.
- Stock fitted with flanges above the blade to permit easy Rudder removal.
- Bottom pintle carried in Skeg Bearing Rudder Stock is housed in G.R.P. tube bonded to Hull and integral structure. Stock is fitted with water lubricated bearing at its lower end and a bronze

gland and greaser inboard. (Vetus)

**EMERGENCY STEERING**

- Via a tubular stainless steel Rudder Stock Extension stowed below. Extension passes through Deckhead Panel and Waterproof Fitting, and can be fitted with a Teak Tiller on deck.

**ENGINE AND FUEL SYSTEM**

- Volvo Penta DZ 55HP @ 3000RPM or similar four cylinder diesel with reduction gear box and freshwater cooling, flexibly mounted on Engine Bearers built of Polyurethane Foam Formers and covered with 10oz. CSM, with internal Steel Plates.
- Bearers fitted with Gelled Drip Tray Flexible coupling to 1 ½" dia 316 S.S prop. Shaft driving three blade fixed bronze propeller.
- GRP or Bronze stern tube bonded into hull and internal structure and fitted with water lubricated cutlass bearing at outboard end.
- Bronze packing gland and remote greaser at inboard end.
- Water injected flexible exhaust system complete with water trap and silencer.
- Bronze inlet valve and water strainer for engine cooling.
- Dual station twin lever controls lead to inner and outer helm positions.
- Engine instruments including start button rev. counter, water temperature, oil pressure, volt meter, hour meter and audible alarm in deck saloon position only. A section panel is fitted at the upper helm, including rev. counter start and audio alarm.
- Alternator capacity 50 amps. Approx.
- Diesel fuel supply from two 50 gallon (227 litres) GRP tanks fitted one to port and one to starboard below deck saloon floor and separately filled.
- Each tank fitted with sump and drain for water and contaminates and access panel for cleaning. Facility to select fuel supply from either tank. Fuel supplied via water separator/ fuel filter in addition to engine mounted filter.
- Diesel tanks separately vented.
- Cross flow pipe fitted to allow even weight distribution and filling. Electric fuel gauge in stbd tank with dial at main switch panel. Emergency fuel closing valves in saloon.

## ELECTRICS

- Two heavy duty 125 amp/hour batteries (\* UK supplied) connected so that one can be reserved for engine starting and two for domestic supply fitted to the purpose made Battery Box. Spare box for additional optional battery.
- 12 volt DC two wires insulated return system. Fully protected with circuit breakers on main switchboard in illuminated locker by lower helm position.
- Batteries can be paralleled for charge and discharge using main isolation switches.
- An exhaust Fan is connected to discharge battery gases overboard.
- Engine start from Battery via a Battery Isolation Switch.
- An Engine Room exhaust fan is connected to discharge gases overboard.
- Electrical cables are run throughout the Vessel ready for connection to various pumps, lights, switch board etc. when installed.
- Std. lighting over all work surface and berths / Std. electric panel with fuse. All light switch from main panel AND wall mounted rocker switches

## PLUMBING

- 2 x 227 Litre. G.R.P. Water Tanks, baffled, 1 to Port and 1 to Starboard fitted under Deck Saloon floor. Fitted and vented with Cross Flow pipe to equalise weight distribution.
- Electric gauge in stbd side tank with dial at main switch panel.
- Access panel fitted in both tanks for cleaning.
- Tanks individually vented to deck saloon sides.
- Cold water supplied by Electric Pump, Accumulation Tank Pressure Sensing Switch and Filter direct to both toilets and Galley.
- Combination Tap Faucets lift out for use as hand held Shower Heads in both toilets. Both Showers and Washbasins drain to tanks under cabin soles and are then pumped overboard via electric pump. Forward Sump Tank to collect shower and washbasin water and galley sink
- Fwd. sump tank to collect shower and washbasin water. After tank has switch in galley and forward toilet After tank to have removable inspection hatch for cleaning and overflow into bilge

- Galley sink drains to forward tank.
- Black water tank fitted with diverter valve so heads can be discharged either into sea or into tank. Electric pump out with switch at control panel and level indicator at lower helm.
- Whale 1 ½" (36mm) bore diaphragm bilge pump fitted in port side saloon locker by main companionway. Suction pipe to lowest bilge with a strum box fitted.
- Outlet via nylon skin fitted in hull top side.
- Jabsco diaphragm electric bilge pump fitted in bilge sump with ¾" dia (12mm) outlet in hull topside and control switch at circuit breaker panel.

## INTERIOR

- All in solid Teak or Teak faced ply except where described, and hand coated with four coat of satin finished varnish.
- Cabin and saloon fitted with vinyl deck head lining. Deck head panels to be removable for access to cabling etc.

## FORECABIN

- Two single Berths, each 1.9 metre long. Large Locker under centreline forward housing. Stainless steel black water housing tank. Gelled Locker under head of each bunk.
- Two lower lockers with access through hinged fronts. Reading lights at head of each bunk
- Fore hatch with solid Teak surround.
- Deck head lining in 4mm Plywood Fitted - ready to take personal choice of soft linings.
- Vanity Units port and starboard.
- Two Drawers starboard and one Drawer with Cave Locker under to port.
- Hanging Lockers port and starboard outboard.
- Mirror on Port side Hanging Locker door.
- Two opening windows.
- Teak and holly floors.
- 100mm thick bunk cushion with choice of cover fabrics. Panelled teak door to :-

## GALLEY

- U-shaped Galley to starboard side.
- Locker under. Crash bar and lock.

- U-shaped Galley to starboard side with chosen cooker in gimbals
- Deep stainless Double Sinks in forward section with Hot & Cold Mixer Tap.
- Solid Granite Worktops and Bulkhead Face.
- Teak Lockers with doors above. Cutlery Drawer and Pan Locker with shelf below.
- Cup and Plate Racks outboard on Side Lining.
- Solid teak fiddle rails to edges of all shelves.
- Top opening insulated ice box in after work top with locker along its after edge.
- 1.25kg dry powder fire extinguisher.
- Fire blanket
- 90 litre capacity electric refrigerator with freezer compartment under after worktop
- Opening Window over Cooker and Vent over
- Galley Light and Ventilation from Deck Saloon Windows.
- Indirect lighting over both work surfaces with rocker switch.
- Wet locker on port side opposite Galley with two Teak Doors.
- Teak and holly floors with hatch to holding tank. No curtain in galley
- Removable panel at mast support column for access to mast cables

#### **FORWARD TOILET**

- One piece G.R.P. Moulding in off white with Padded Vinyl Deck Head Lining.
- Solid Teak Grating over Shower Sump and Solid Teak Louvered Locker Door under highly polished Stainless Steel Wash Basin.
- Combination Tap and Shower.
- Solid Teak Locker with G.R.P. inlay outboard Sea Toilet with Sea Cocks fitted.
- Sea toilet with bronze sea cocks.
- Opening port light vent from on deck.
- Stainless steel light in deck head and teak framed and panelled toilet door.
- Solid teak grab handle.
- Door catch. Access to steering and electric through after bulkhead mirrored hatch. From galley area to steps with stowage inside to :-

#### **DECK SALOON**

- Large U shaped Dinette to starboard on raised level to allow viewing outside whilst seated.
- Stowage under after seating for Calorifier (if supplied) and large stowage outboard under Side Decks.
- Teak extending table on telescopic pedestal allowing conversion to double berth.
- Deck Saloon Floor in solid Teak Parquet with four removable central panels giving direct access to Engine Compartment, Tanks and Space for Batteries and Pressurised Water System.
- Under side of deck saloon floor insulated with sound deadening material. Fuel and water tank inboard faces insulated. Insulation to MCA requirements.
- Lower steering wheel with main switch panel set behind Perspex fronted door to starboard side of lower wheel.
- Twin level engine control outboard. Access door by lower wheel to electrics and steering. Raised seating port side as starboard but incorporating helmsman's position at forward end.
- Main companionway steps and solid teak pillar at after end. Toughened glass window in alloy frames all round. Instrument console on deck head lining above windows.
- Teak grab handles running length of deck head lining port and starboard. Teak ply pelmet.
- Two rocker switches by main companion way. Single central deck head fluorescent light. 3 x emergency lights at steps.
- Windscreen wiper in port side front window. Upholstery in minimum 4" (100mm) thick shaped and contoured foam with a choice of cushion fabrics. Two 1.36 kg. Dry powder extinguishers fitted.
- Step to after cabin.

#### **AFTER CABIN and EN-SUITE**

- After "en-suit" toilet to starboard to same spec. as fwd. toilet but with shelf in place of mirror fronted locker and with shower sump and washbasin electrically pumped overboard via S.S sump tank
- Large Hanging Locker and Stowage to port with

outward opening Double Teak Doors, having solid Teak Louvres at lower door sections and another louvre above doors in Teak Face. Light inside.

- Hanging Rail at top with Access Panel outboard to Through Hull Fittings and access panel on face of saloon to electric cabling
- Access panel on forward face of locker to access cables etc.
- Two removable Floor Panels in Solid Teak Parquet Flooring between After Toilet and Hanging Locker giving access to Propeller Shaft and Tube.
- Underside of panels insulated with foam and polyester sheet
- Owner suite with 02 single or double berth, 1.98 meter long with 100mm foam mattress.
- Reading lights fitted on deck head lining with rocker switch by bunk.
- Extra stowage under bunks with access from above.
- Seat between single bunks teak and holly floor, or seat and Clothes Drawer in front face of Head if Double Bunk option.
- Teak side lining at bunk level and across after bulkhead and white melamine deck head linings.
- Teak faced coach roof side lining and bulk head.
- Opening port lights port and starboard with pelmets above. Deck hatch per fore cabin in deck head lining with solid teak surround.
- Solid teak grab handles each side of walkway forward.
- Lockers under bunks.
- Clothes Drawer in front face of Head if Double Bunk option.

### Navigation Instruments

- One plastimo contest 130 compass in deck saloon
- Plastimo Olympic 130 or equivalent at upper wheel position.
- ST40 Bi data depth and speed (\*UK supplied)

### Other

- Interior curtains and cushion covered with cotton upholstery. All in fire retardant materials to UK standard

- Teak rubbing strake
- 2 off 011kg sacrificial anodes
- Std. lighting over all work surface and berths / Std. electric panel with fuse. All light switch from main panel AND wall mounted rocker switches
- Full Gas installation (final connections and certification in UK)
- Port starboard and stern navigation lights
- Tri light, anchor light and steaming light
- All winches and deck sail fittings, jammers , blocks
- Midship Boat Services independent marine architect employed to inspect and report progress and draw up deck fitting requirement

### Options (extra cost)

- Battery charger and shore power, with 230 volt cables run throughout vessel for ..
- 230 amp outlets fitted in forward cabin, galley (double outlet), saloon (double) and master cabin
- Hot water supplied by Calorifier mounted under starboard side Locker in Main Saloon with 230 v immersion heater
- Electric Windlass bolted through specially reinforced windlass platform with chain lead down through hawse pipe. (Lifting power 350kg nominal). controls at upper helm position and foot control on foredeck
- Vetus Bow thruster with control at lower and upper helm position
- Aft deck table. Teak with removable pedestal fitted into deck
- Cockpit cushions
- 12 volt outlets fitted in forecabin, at lower helm position, saloon and master cabin
- See additional options list and prices