

Fleming 65-053 'Maude Hesse' – 2020 MH650N

SPECIFICATIONS

Model: 65 Pilothouse Motor Yacht

LOA: 70' 10" 21.6m

Beam: 18' 8" 5.7m

Draft: 5' 1.5m

Year: 2020

Top rig: Flybridge with Custom Hardtop

Transmissions: Twin Disc MGX-5126A

Reduction Ratio: 2.50:1

Speed (approx)

Cruise: 9-11 kt

Maximum: 19 kt

Hull Material: Fiberglass

Weight: 46,583kg (light)

Engines: 2 x MAN i6-800 - 800hp each

Engine Hours: 140 approx. each

Generator: 17.5kw ONAN eQD

Generator Hours: 330 approx.

Stabilizers: ABT TRAC 9 sq ft fins

Watermaker: FCI MaxQ+ APC 1825 GBD

Tankage (approx)

Fuel: 6,435 litres

Water: 1,514 litres

Hull:

- Solid laminate, commensurate for hull size, made in female mould
- Black Gel coated boot stripe
- Vinylester resin used for outer laminations
- Full-strength stringers and athwartships frames laminated over foam
- Simulated planking grooves
- Gel coated finish above waterline
- Five coats of epoxy barrier coat below waterline
- Two coats of black Pettit 1088 GA antifouling paint
- Pettit Metal Etch Primer 6455/044 and Pettit Epoxy Primer 4700 and Pettit 1088GL Trinidad Antifoul used on underwater metals
- Prospeed applied to propellers, struts (skegs), Seatorque shafts, rudders, thrusters, stabilisers and fin cutters
- Integrally moulded guard with stainless steel rub strip
- Keel extends below running gear
- Keel space filled and sealed across top
- FRP rudders with Aqualloy 22 Hi-strength stocks
- CE approved stainless steel portlights
- Stainless steel keel shoe - 8 ft long (2.4m)
- Shallow Shaft Tunnels (draft 5'/1.52m)
- Molded Bustle under swim step (provides longer LWL) with access hatch on top of swim platform and interior storage compartment
- Stainless steel transom signage & vinyl registration numbers

Deck and Superstructure Construction:

- All parts made from moulds
- Corecell cored construction
- Cook gel coat "Fleming White"

- All stainless steel welds ground and highly polished
- Vinylester resin used for outer laminations
- All caprail joins routed and filled with black Sikaflex

Exterior:

- Stainless steel trim around roofs, on forward teak cap rail, and guard
- Italian made exterior locks
- Hella LED navigation and anchor lights in accordance relevant regulations
- Stainless steel Fleming & "F" Logo on port & stbd forward roof supports
- Quickcutter line cutters on prop shafts
- Exterior seating with EZ-Dri foam, Sunbrella "Berenson Tuxedo" upholstery, and mesh backs for drainage

Aft Deck Area:

- Cockpit with teak decking
- Flush lazarette hatches with hinges, gaskets, key locks & gutters with drains
- FRP swimstep with stainless steel brackets, *teak surface* & stainless steel rub rail
- Removable stainless steel rail on swimstep
- Hatch access into bustle
- Two fold up stainless steel cleats on swimstep
- Stainless steel telescopic swim ladder under swimstep. Can be deployed by swimmer
- Wide teak coaming (cap rail) around cockpit
- FRP skirt inboard of teak cap rail
- Engine room air intakes behind skirt and inside bulwarks
- Stainless steel ladder to flybridge with curved & double routed non-slip teak treads
- Port side cockpit cabinet with storage locker
- Sliding doors to salon. Aluminium with FRP skin, glass windows & Stainless steel weather strips
- Seadog style latches for doors
- Cockpit console stbd side with lid, engine & thrusters controls & start/stop buttons, EPIRB, fire safety shut-offs, safety sign indicating location of EPIRB.
- Fusion entertainment sound instrument with two speakers under side coaming
- Hot & cold shower fittings in custom compartment adjacent transom door, with quick release shower head and flexi hose
- Salt water 316 stainless steel faucet
- Fresh water 316 stainless steel faucet
- Two Smartplug shorepower inlets for 230v, 50Hz, 32 amp
- Overhead LED lighting with dimmer control
- LED rope lighting under coaming skirt
- Chocks (fairleads) at hull sides and transom (4 fairleads)
- Six 14" heavy duty stainless steel cleats secured to plates inside bulwarks
- Deck scuppers piped out through transom at boot stripe
- Hatch with steps down into lazarette, also provides access to engine room
- Two other hatches for access to rear of lazarette
- Integrally moulded seat lockers with Sunbrella "Berenson Tuxedo" cushions
- 316 grade stainless steel handrail across transom
- Courtesy LED "F" logo lights at step up to salon
- Stainless Steel folding handrail down to engine room which stows on inside of hatch lid

- Cockpit table with high gloss teak top and single hi-low s/s base (900 x 1600 x 750) with Sunbrella cover
- Six Garelick Mariner deck chairs with Sunbrella storage bags
- Transom to boat deck mesh Sunbrella screen with storage bag
- Hatch to boat deck with Sunbrella cover

Side Decks:

- Teak decking
- 316 grade stainless steel handrails along house side
- Teak rail cap on bulwarks
- Bulwark doors opening inboard with Seadog style latches and bolts
- Non skid on top side of guard at boarding gates
- LED overhead lights. Two per side
- Courtesy LED "F" logo lights at steps up to Portuguese bridge
- Stainless steel handrails at side deck steps
- Steps to Portuguese bridge deck with teak treads
- House side windows fixed with tinted, tempered glass and FRP frames
- Galley & pantry windows sliding with tinted, tempered glass and FRP frames and Sunbrella covers
- Two sets of spring-line chocks (fairleads) per side
- Five 14" heavy duty Stainless Steel cleats per side, recessed into bulwarks with heavy duty steel backing plates
- Non-spill fuel fills in steps port and stbd. With custom Stainless Steel "F" logo lids. Can fill all tanks from port or stbd fuel fills.
- 1/2" thick acrylic side deck wing doors with stainless steel frames & hardware & etched "F" logo

Pilothouse Deck Level

- Portuguese bridge
- Teak cap rail
- Locker doors in aft face of Portuguese bridge, access to large vented storage with Dri-Deck flooring
- 316 grade stainless steel handrail around forward side of pilothouse
- 316 grade stainless steel handrails at port & stbd sides of pilothouse
- Sliding aluminium pilothouse doors port & stbd with stainless steel weather seals
- Clear tempered 10mm thick glass in forward facing windshields
- Pilothouse windows are fixed and have FRP frames
- Sunbrella covers to all doors and windows with custom Sunbrella frames
- Teak decking
- Black water tank stainless steel suction deck fittings port & stbd sides Portuguese bridge
- Hinged doors Port & Stbd through Portuguese bridge to foredeck with stainless steel gas spring retainers
- Individual screen wash and heavy duty self-parking wipers on windshield
- Inward opening doors on Portuguese bridge side decks port & stbd
- Stainless steel Fleming & "F" logo on port & stbd forward roof supports
- Stainless steel CE approved skylight with Sunbrella cover
- Galley cooktop and microwave vent
- Illuminated name boards with boat name in stainless steel letters

Forepeak:

- FRP Chain and rope lockers with removable Stainless Steel access plates and Stainless Steel chain pipes
- Watertight collision bulkhead
- Forepeak drains directly overboard
- Bitter end fittings
- Hatch scuppers
- High gloss white poly paint finish
- Overhead light
- Dri-Deck flooring

Forward Deck:

- Teak on foredeck
- Cabin trunk with white non-skid finish and one large CE approved Stainless Steel skylight with Sunbrella cover
- Vented deck lockers in cabin trunk
- Stainless Steel handrail on cabin trunk
- Teak rail cap on bulwarks increasing in width going fwd
- Stainless steel stanchions to support stainless steel handrail
- Oval shaped stainless steel handrail with stainless steel mid-rail
- Deck lockers forward either side of anchor platform with teak decking
- FRP anchor platform with integrally moulded non-skid finish and two sets of rollers
- Anchor platform stainless steel dirty water catchment fence
- 132 Lbs. (60Kg) Stainless steel Ultra Anchor with stainless steel Ultra Swivel & Ultra chain hook and strop
- Custom anchor chain bridle with Ultra chain hook & heavy duty rubber snubbers
- Second anchor Ultra 45kg stainless steel with Ultra stainless steel swivel
- Two stainless steel 7/16" anchor chains – 300' (93m)
- Two independent 24v DC Maxwell RC12 hydraulic, windlasses with pendant control, wireless remotes, and control panels at both stations (P/H & F/B)
- Sunbrella cover for anchor winches
- Four stainless steel fairleads
- Eight 14" heavy duty stainless steel cleats
- 316 grade stainless steel pulpit rail. Welds ground and polished
- Foredeck LED "F" logo lights at steps through gates thru Portuguese bridge
- Hatch to forepeak
- Two Smartplug shorepower inlets for 230v, 50 Hz, 32 amp
- Salt water 316 stainless steel faucet inside port foredeck locker
- Fresh water 316 stainless steel faucet inside port foredeck locker
- Socket for windlass control pendant
- Deck drains plumbed to boot stripe to prevent black streaks
- Teak burgee pole with Fleming flag
- Sunbrella Cabin trunk cushions in "Berenson Tuxedo" with storage bags
- Telescopic boat hook

Flybridge:

- Hard top with stainless steel stanchions and LED lighting
- Teak deck area
- LED courtesy lighting ('F' logo) to flybridge
- Seaview mast with twin sat domes for Raymarine satellite TV, Raymarine radar scanner with windex on top with bow and anchor lights and aft facing floodlight
- Aerials for 2 x VHF, 2 x AM/FM radio, cellular and AIS
- Lexan venturi with stainless steel rail
- Steering console with engine controls on level surface
- Raised Stidd Helm seat with Spirit Millennium Naugahyde upholstery, folding armrests, back recline adjustment, and twin folding footrests
- Isotherm fridge under helm seat
- 15" color touchscreen Bioning central monitoring system including MAN engine instrumentation
- Black formica panel on flybridge console
- Ritchie compass with light & dimmer
- Powered Electro-hydraulic steering with destroyer-type wheel
- Rudder angle indicator
- Fire system repeater alarm
- Flybridge cushions on settees using EZ-dri foam with Sunbrella "Berenson Tuxedo" upholstery and mesh backs for drainage
- Matching Sunbrella cushion forward of starboard settee
- Sunbrella covers to both settees and forward cushion, helm chair & instrument console & doors to pilothouse
- Sunbrella scatter cushions to settees
- Perfix snaps for attaching cushions
- Two settees - straight to port and U shaped to stbd
- Table stbd side with fixed granite top with storage in pedestal
- High gloss varnished teak table top with Sunbrella cover
- Cabinet aft of port settee with Southern Cookout electric BBQ and stainless steel sink and Sunbrella cover
- Hella LED navigation lights in accordance with relevant Collision regulations
- Buell air horn with twin trumpets.
- Two Mastervolt 24V to 12V DC-DC converters with 12V battery backup system
- Stainless steel railings with mid safety rail
- Stainless Steel safety gate between flybridge and boat deck
- CCTV pan/tilt/zoom camera
- Dri-Deck flooring in storage areas and under seating
- ABT TRAC-LINK colour touchscreen control panel for stabilizers
- Sunbrella covers to helm seat, settees and instrument console
- GFCI 230v AC outlet RCD protected under port settee
- Electronic engine controls - Glendinning EEC3 with synchronizer, start/stop engine buttons
Controls for ABT bow & stern thrusters & horns
- Fusion entertainment sound instrument with two speakers in flybridge settees
- Raymarine Instrumentation:
 - 16" Axiom XL MFD touchscreen
 - 16" Axiom XL MFD touchscreen
 - RMK-10 remote keypad for Axiom XL displays MFD
 - i70 colour multi function instrument

i70 colour multi function instrument
i70 colour multi function instrument
P70Rs colour auto pilot instrument
ICOM command mic for one pilothouse VHF

Boat Deck:

- FRP boat deck extension with stainless steel supports
- Integrally moulded beige non-skid on deck
- Integrated deck drains with gutter system
- 316 grade stainless steel handrails
- 1,500lb capacity hydraulic Steelhead ES1500 davit with powered telescopic boom, luffing, hoisting and rotation, Sunbrella cover to davit
- Hinged hatch to cockpit ladder
- GFCI 230V AC outlet RCD protected
- Fresh water faucet 316 stainless steel
- Stainless steel saddles and cradles for tender storage
- Aluminium plate inside deck for tender bow tie down eye
- Swift 3.1m aluminium hull HYP inflatable tender with Yamaha 9.9hp 4 stroke outboard motor s/n: 6AUKS1065747 (approx. 1 hour) with tie downs, lifting sling & Sunbrella cover.
Hin No.: AUSWAA3456G919
Registration: MH100N
- Aft boat deck controls for engines and thrusters with Sunbrella cover
- Stainless steel flag pole holder on aft boat deck extension at 45 degree angle on centre line
- Teak varnished flag pole with internal stainless steel reinforcement and 2 yard sewn Australian Red Ensign
- 6 person Ocean Safety ISO 9650-1 liferaft packed with <24 hour emergency pack on stainless steel cradle & fixings with hydro release, EPIRB and Sunbrella cover
- Two Hella Seahawk floodlights to illuminate swimstep and aft

Lazarette:

- Steering gear
- Hypro Marine hydraulic power pack with primary, back-up, and autopilot pumps, on anti-vibration mounts with FRP drip tray
- Deck and hatch scuppers
- Hull finished with gloss white polyurethane paint
- LED overhead lights
- 400 USG (1,514 litres) fresh water in four polyethylene tanks with sight gages
- Variable frequency drives for 3-phase salon & pilothouse air-conditioning
- Air conditioning compressors
- Aft shorepower inlet circuit breakers
- Dual Gianneschi Fresh water pumps, pressure regulator, and flow sensor
- Fresh water system (debris) filter
- Fresh water tanks drain valve, with protective cover
- Fresh water tanks isolation valves
- Aft DC electrical panel
- Submersible bilge pump
- High bilge alarm
- Starboard platforms and sole boards with Stainless Steel lifters
- Arctic Steel stainless raw water strainers for air conditioning & desalinator seawater inlets

- Two 32A Victron Isolation Transformers
- FCI MaxQ+ APC, 1825 GPD modular watermaker
- Two fire extinguishers adjacent fresh water pumps

Engine Room:

- Rubber Design soft engine mounts
- Sea Torque Bolt on Shaft System (BOSS) - an enclosed, oil lubricated, self-contained shaft and thrust bearing assembly. Eliminates the need for shaft seal, and cutless bearings. Thrust is transmitted directly into the hull and not via the gearbox/engine resulting in a smooth vibration free and quiet operation
- Fixed covers over Seatorque cardan shaft and universal joints
- Four fire retardant FRP fuel tanks with custom stainless steel sight gauges
- Solenoid operated sight gauges on fuel tanks
- Fuel transfer system with high capacity pump & digital totalizer
- Arctic Steel raw water strainers for engines, genset, hydraulic & salt water pumps and all seawater intakes
- Equipment platforms
- 17.5Kw, 230v, 50 Hz, Onan eQD genset with sound shield and combined muffler/water separator for exhaust
- NIM module for genset – allows genset data to be displayed on Boning System
- Victron 8kw inverter/charger
- Main engine exhaust system with water-lock muffler
- Automatic engine room ventilation & air circulation system
- Heavy duty sound insulation covered with perforated aluminum
- Engine access hatch locked down on gaskets
- Fire suppression system with automatic engines/genset/blowers, & air-intakes shutdown
- Heat detectors (3)
- Air intake baffles with auto-close in event of fire and guarded manual switch in cockpit
- Bilges painted with gloss white polyurethane paint
- Sole board covered with Lonseal vinyl.
- Fresh Water hose coil
- Submersible bilge pump
- Sump pump
- Hi-bilge alarm
- Engine start/stop buttons for each engine
- Lube oil pumps (2) for engines, transmissions and generator
- AC LED slim tube lighting
- DC LED lighting (24v)
- 230v RCD protected GFCI electrical outlets
- Heavy duty Buell Air-horn Compressor
- Double platform with Anti-vibration soft mounts for genset
- 1200 A/H house battery bank consisting of Lifeline AGM batteries
- 255 A/H port engine starting battery bank – Two Lifeline GPL-8DL
- 255 A/H stbd engine/genset starting battery bank – Two Lifeline GPL-8DL
- FRP drip pans underneath main engines
- Stainless Steel mirror finished plates on inboard face of aft fuel tanks
- Stainless Steel mirror finished engine stringer caps
- Airtight FRP door with dog down latch and viewing port

- Starboard platforms and sole boards
- Lead foam sound insulation
- Balmar Alternator regulator, battery bank temp sensor & Dual Alternator Controller
- Gianneschi 24v DC high capacity sea water pump
- ABT TRAC stabiliser actuators port and stbd
- ABT TRAC hydraulic oil reservoir and oil cooler
- Buell horn compressor
- Fire blanket aft port bulkhead

Interior:

- Accommodation with three staterooms with master forward (Option A)
- Teak Arcadia style doors, cabinets, drawers & lockers through out
- Hanging lockers lined with teak
- All cabins doors with arched tops
- Insect screens for all opening windows, portlights and skylights
- Mobella interior door locks
- Curved bull nose treads with anti-slip double routings on all interior stair sets.
- Cruisair reverse cycle air conditioning with remote compressors and Qht controls (salon, pilothouse, master cabin, port cabin & starboard cabin)
- LED mood rope lighting behind valances, stairs and settees
- LED warm white interior lighting throughout (24v DC)
- Teak joinery with satin varnish hand-rubbed finish throughout
- Teak and holly sole throughout – hand-laid solid timber (not plywood)
- Light fixtures shiny stainless steel finish
- Vimar light switches and AC outlets brushed stainless steel finish metal faceplates
- Interior locker door handles brushed stainless steel finish
- Interior bulkheads feature sandwich construction with lead foam insulation
- Headroom 6'6" (1.97m) minimum throughout
- All drawers constructed with dovetail joints
- Cabin and head doors with gaskets
- Three room stateroom accommodation includes master cabin forward with en-suite head and two hanging lockers, settee, port cabin with twin lower and one upper berth & hanging locker, stbd cabin with upper and lower berths and hanging locker, guest head to stbd
- Ultraleather "Sand" upholstery in lieu vinyl upholstery
- Custom Warwick scatter cushions to salon & pilothouse chairs & settees
- Carpets

Salon:

- Fixed windows in house sides
- Opening windows in galley and pantry with removable insect screens
- Sliding doors at aft end
- Sunbrella covers to all doors and windows with custom Sunbrella frames
- Medium grey tinted, tempered glass
- Wood window blinds with teak retainers
- Teak valance over windows with LED rope lighting
- Teak joinery with satin varnish hand-rubbed finish
- Overhead LED light fixtures on dimmers
- Access hatches to allow for engine removal

- Imitation leather "Doe" headliner
- CO detector
- Cruisair reverse cycle air-conditioning with Qht control panel
- FRP sandwich with honeycomb composite sole
- TOVO stainless steel wall lights
- Two settees – straight on port and stbd side upholstered Ultraleather" Sand" with coffee table and two barrel chairs on port side and dining table with two dining chairs on Stbd side
- Custom removable arms to ends of settees in matching Ultraleather
- Salon dining table fixed height
- Ample storage under both settees
- Aft port corner with window, Vintec wine fridge with teak door surround, ice maker with teak louver door panel, corner storage compartment
- Custom glass and bottle drawers on port side aft of galley with custom stainless steel bracket to secure
- Entertainment centre in teak cabinetry stbd side aft with 43" Sony LED LCD TV, Bennett hydraulic TV lift, Fusion DVD/CD system, Foxtel box, Yamaha amplifier with five sound speakers on ceiling
- Teak overhead handrail
- Four 230v AC outlets RCD protected with Vimar brushed stainless steel faceplates
- Port and Stbd aft facing glasses cabinets with bevelled glass doors and shelf glasses dividers & retainers
- Vimar UBS charging outlets Port and Stbd
- Barigo Skipper clock and barometer on overhead console

Galley/Pantry:

- Granite countertops
- Granite splash back behind sink and cooktop
- Stainless steel double sink
- Insinkerator waste disposal unit
- Slide out waste bin below sink
- Miele convection microwave oven
- Miele wall oven
- Miele 3 burner induction cooktop, can be powered via inverter as well as via genset or shorepower
- Removable Stainless Steel potholders for cooktop
- Cooktop exhaust fan speed control rheostat
- Miele dishwasher with teak front panel
- Smeg SR600 side by side refrigerator/freezer
- Swivel sink faucet with removable spray head
- Overhead LED light fixtures
- Two Slide out three shelf pantry locker
- Four cutlery/utensils drawers with guides and stops
- Custom cutlery drawer dividers
- Slide-out pot/appliance storage lockers (2) in forward bulkhead with security bolts
- Slide-out pot/appliance storage lockers (2) in aft cabinet with custom stainless steel bracket to secure
- Console overhead cabinets fitted with doors
- Dishlocker at stbd side with opening top & front

- 230v AC outlets RCD protected
- Dishlocker on stbd side - top and front opening
- Storage cabinet under sink with automatic LED lighting
- Imitation leather "Doe" headliner
- Fire blanket under sink

Pilothouse:

- Stidd 500XL low back helm seat with chrome package and Ultraleather "Sand" upholstery
- Boning and Raymarine RMK10 remote control units mounted in arms of Stidd seat
- Privacy doors with Arcadia teak panel and arched top
- Chart table with double guide drawers and stops
- Chart light on flexible arm
- Dismountable control console
- Fleming central monitoring system with Boning 15" colour display screen on lower console – See systems for detailed description
- ABT TRAC-LINK colour touchscreen control panel for stabilizers
- Horn control push button
- Air reservoir for Buell air horns
- Rudder angle indicator
- Back lit engine start & stop/ignition buttons
- Engine power key-switches on advisory panel
- Electronic engine controls - Glendinning EEC3 with synchronizer and troll
- Back-up electronic gear and throttle control system
- Hypro electronic, powered hydraulic steering with Destroyer type steering wheel
- Back-up Steering control panel with back-up rudder angle indicator
- Ritchie compass with light & dimmer
- Overhead electronics console
- Barigo Skipper clock & barometer on overhead console
- Two ICOM M605 VHF radio with DSC and GPS
- Wiring routes to facilitate equipment installation
- Overhead LED lighting with dimmer
- LED red and white dimmable bridge lights in upper console
- Stairs down to salon, up to flybridge
- Fire extinguisher under helm step
- Safety signs indicating location of lifejackets & fire extinguisher
- Back lit electrical distribution panels
- Alarm and advisory panel
- Doors on electrical and advisory panels
- L shaped settee on raised area upholstered Ultraleather "Sand"
- Wooden window blind on port window adjacent settee with teak retainer
- Oceanair blinds on five forward windows including forward facing
- Teak table with single stainless steel leg and swivel
- File drawer containing literature & manuals for yacht equipment
- Self-parking, heavy duty windscreen wipers with multi-speed/intermittent controls & individual fresh water wash on forward facing windows
- Windschild glass clear, tempered, 10mm thick
- Imitation leather "Doe" headliner
- Demister blower on forward facing windows

- Controls for ABT bow & stern thrusters
- Hinged soffit access to underside of flybridge console
- Teak handrail around dayhead
- Teak veneer on stainless steel support pole
- Two adjustable hatches with flyscreens and Sunbrella covers
- Double USB outlets either end of instruments console
- Cruisair reverse cycle air-conditioning with Qht control panel which can be run on inverters whilst main engines are running
- Black water tank level indication and pump control on Monitoring System with auto pump shut-off when tank empty and auto head shut-off when tank full
- Generator digital remote panel with start/stop control
- Windlass up/down switch & control circuit breaker
- Switch to change over windlasses for Yacht Controller
- Fire system remote panel
- Bilge and sump pump control on advisory panel
- Custom Stainless Steel fold down bookshelf fiddles
- Pre-wired for intercom/phone system
- Dimmer for instrument lighting
- Main engine sea water flow alarms
- Tovo up/down beam brushed stainless steel LED wall light
- Satin teak finish to three main consoles
- In-fill berth
- Teak step under helm seat with hinged lids for storage
- Charcoal" Ultrasuede fabric on upper surface of consoles
- Flare bottle and flares to Category 4
- Robustel cellular internet system with marine antenna
- AC outlet inside console behind aircon. return grill
- AC outlet inside console stbd side wire to "computer" circuit breaker
- AC outlet inside console high on port centre wire to outlets circuit breaker
- Drawer under table
- Instruments for Victron inverter control & FCI MaxQ+ APC Watermaker
- Reverse cycle air conditioning with Qht control instrument
- Fusion entertainment sound instrument with two speakers in overhead console
- CCTV package includes flybridge, cockpit and two engine room cameras with pan/tilt and zoom displayed on both Boning and Raymarine screens
- Raymarine Instrumentation:
 - 24" Axiom XL MFD touchscreen
 - 24" Axiom XL MFD touchscreen
 - 16" Axiom XL MFD touchscreen
 - 16" Axiom XL MFD touchscreen
 - RMK-10 remote keypad for Axiom XL displays MFD
 - RMK-10 remote keypad for Axiom XL displays MFD
 - RMK-10 remote keypad for Axiom XL displays MFD
 - i70 colour multi function instrument
 - i70 colour multi function instrument
 - i70 colour multi function instrument
 - P70Rs colour auto pilot instrument
- Battery master switch panel with digital voltmeter – allows parallel switching
- Maretron DSM 410 touch screen

- Yacht controller console master switch and wireless remote control

Pilothouse Day-Head

- Porcelain wash basin in OTTOMAN marble counter top
- Locker and medicine cabinet with mirror & toilet roll holder
- Vented wet locker with drain pan
- AC outlet in wet locker
- Planus toilet
- Intake and discharge head vent fans
- Imitation leather "Doe" headliner
- Air-conditioning outlet

Passageway:

- Lower part of bulkhead finished with teak, upper part finished with Imitation leather "Doe" headliner
- Teak chair rail at join
- Arched access doors to staterooms and head
- LED rope lighting at stairs to salon and forward cabin
- Overhead LED lighting
- Imitation leather "Doe" headliner
- Manual bilge pump under steps
- Miele washing machine W5741 and vented Miele dryer T8823C in cabinet behind sliding door
- Fire extinguisher under lower step with indicating safety sign

Forward/Master Stateroom:

- Four stainless steel CE-approved portlights with removable insect screens
- CE approved skylight providing light, ventilation and emergency exit
- Powered Oceanair sliding Insect and black-out screens for skylight
- Teak on all surfaces except inside portlight openings
- Tapered queen sized bed with hydraulic lift and manual slide mechanism
- Retainer device for sliding bed securing knob
- Upholstered headboard finished in Ultraleather "Sand"
- Foam mattress covered with "Duralee - Faye Bisque # 71053-282
- Mattress topper custom Hilton relax therapy
- LED rope lighting under bed and steps
- Two hanging lockers, teak faced with louvered doors, automatic interior lights
- Teak cupboards/cabinets either side of and forward of bed
- Sony 43" LED LCD Smart TV and Fusion DVD/CD sound system on stbd bulkhead, Foxtel box, two sound speakers on ceiling
- Drawers with centre guides and stops
- Bevel edge mirrors
- Door stops and holders
- Doors teak frame with Arcadia detailed panels and curved tops
- Bulkheads with teak to chair rail height with Imitation "Doe" leather headliner above
- LED overhead lighting
- BCM Aurica reading lights
- Doors on hull side lockers and on fwd bulkhead in lieu of bookcase

- Imitation "Doe" leather on hull area above hull lockers port and stbd
- CO detector
- Sump and condensate pump for air-conditioning
- Settee with corner cabinet
- Drapes
- Two duplex 230v AC outlet RCD protected
- One 230v AC outlet RCD protected in stb. locker
- Vimar triple USB outlet
- Reverse cycle air conditioning with Qht control instrument
- Imitation leather "Doe" headliner
- Fire extinguisher in stbd hanging locker

Port Head (En-suite):

- Stainless steel CE-approved portlight with removable insect screen
- FRP/PU coated shower stall with "OTTOMAN" marble sole, auto sump pump and locker
- Stainless steel and glass custom shower doors
- Grohe shower mixer with pressure and temperature compensation
- Stainless steel toiletries racks inside shower locker and in corner of shower
- "OTTOMAN" marble vanity top with porcelain basin
- Grohe basin faucet set at 45° from centre
- Toilet roll holder inside cabinet
- Bevelled edge European sourced mirrors for vanity & head door
- LED overhead lighting
- 230v AC outlet RCD protected
- One duplex 230v AC outlet RCD protected inside vanity
- Planus toilet
- Ventilator fan with light
- Heated stainless steel towel rail hardwired to switch pilothouse AC panel
- Drapes
- Trident Premium Sanitation hose
- Holding tank full indicator

Starboard Guest Cabin:

- Stainless steel CE-approved portlights with removable insect screens
- Upper & lower berths in "L" configuration
- Hanging locker with louvered door & auto-light.
- Vanity with drawers & bevelled edge European sourced mirror
- 230v AC outlet RCD protected
- Foam mattress covered with "Duralee - Faye Bisque # 71053-282
- Upholstered headboard Ultraleather "Sand"
- Sheridan duvets, sheets, pillow slips. Duvet fillings, pillows and mattress toppers
- Scatter cushions
- LED overhead lighting
- Reverse cycle air conditioning
- Bulkheads with teak to chair rail height with Imitation "Doe" leather headliner above
- Berth LED reading lights
- Teak on all surfaces except inside portlight openings
- Small cabinet between portlights with teak louvered doors

- LED rope lighting and drape tracks at portlight openings
- Bevelled edge mirror
- Pocket entrance door
- CO detector
- Drapes
- Imitation leather "Doe" headliner

Port Stateroom:

- Stainless steel CE-approved portlights with removable insect screens
- Three berths, twin lower and one upper that slides outboard when not in use
- Bulkheads with teak to chair rail height with Imitation "Doe" leather headliner above
- Teak on all surfaces except inside portlight openings
- Small cabinet between portlights with teak louvered doors
- LED rope lights under berths
- Bevelled edge mirror on cabin door
- Hanging locker with auto light and louvered door
- Valance over portlights
- Foam mattress covered with "Duralee - Faye Bisque # 71053-282
- Sheridan duvets, sheets, pillow slips. Duvet fillings, pillows and mattress toppers
- Scatter cushions
- 230v AC outlet RCD protected
- Upholstered headboards Ultraleather "Sand"
- Fwd. cabinetry & shelves with Sony 32" LED LCD TV, Foxtel and Fusion DVD/stereo system with two ceiling speakers
- Custom stainless steel fold down bookshelf fiddles
- Aft. Cabinetry with nightstand, doors and drawers including overhead
- LED overhead lighting
- LED berth reading lights
- CO detector
- Reverse cycle air conditioning with Qht control instrument
- Drapes
- LED rope lighting and drape tracks at portlight openings
- Bookshelves with custom Stainless Steel fold down bookshelf fiddles
- Imitation leather "Doe" headliner
- Fire extinguisher in hanging locker

Guest Head:

- Stainless steel CE approved portlight with removable insect screen
- FRP/PU coated shower stall with "OTTOMAN" marble sole, auto sump pump, seat and lockers
- Stainless steel and glass custom shower doors
- Lockers with gas struts on doors
- Grohe shower mixer with pressure and temperature compensation
- "OTTOMAN" marble vanity top with porcelain basin
- Grohe basin faucet set at 45° from centre
- Toilet roll holder inside cabinet
- Bevelled edge mirrors
- LED overhead lighting

- 230v AC outlet RCD protected
- Heated stainless steel towel rail hardwired to switch pilothouse AC panel
- Planus toilet – white color
- Ventilator fan
- Drapes
- Trident Premium Sanitation hose
- Holding tank full indicator

SYSTEMS

Steering:

- Hypro Marine ECS Electronic Steering with electronic helm units at Pilothouse and Flybridge.
- Hydraulic Power-pack with on-demand variable speed primary pump, back-up pump, and pre-plumbed Autopilot Pump in lazarette
- Shielded power supply cables
- Rudder angle indicators at pilothouse and flybridge station Boning Screens
- Back-up steering control panel with dedicated rudder angle indicator in pilothouse.
- Separate power supply and control for backup steering
- Destroyer wheel at flybridge and in pilothouse
- Pilothouse steering wheel has teak grips
- FRP rudders with Aqualoy 22 stocks
- Rudder tubes extend above waterline

Engine Controls:

- Glendinning EEC3 electronic engine controls at pilothouse, flybridge, boat deck and cockpit with synchronizer and full back up system for gear and throttle
- Vessel has a YACHTCONTROLLER TR-RX 07/04/A wireless remote control for engines, thrusters and both windlass.

Machinery:

- Twin Common Rail MAN i6-800 CRM 800 HP Engines
- Twin Disc Marine transmissions with electric shift and troll valves
- Stabilizers - ABT TRAC 9 Sq. Ft fins with winglets and 250 model actuators, fin cutters, hydraulically operated locking pins, hydraulically driven sea water cooling pump, and color touchscreen control panel
- ABT Hydraulic System with bow and stern thrusters, dual windlasses (Maxwell), clutched PTOs and noise suppression
- Switch and controls at each station
- 4-blade (NSP) Nickel Aluminum bronze propellers
- Recessed I-struts in shaft pockets
- SeaTorque M4 BOSS Bolt on Shaft System with universal joints, & shaft seal
- Shafts are AQ 22 HS material and 2.75" diameter running in enclosed SeaTorque tube
- Quickutter line cutters
- Rubber Design Adjustable Soft Engine Mounts
- Underwater exhaust and internal water-lock muffler system

Fuel System:

- Twin Racor 75/1000MAX filters with change-over valve, and vacuum gage for main engines, drip pans under filters
- MAN Primary fuel filters with water-in-fuel sensors for main engines
- Racor 500MA fuel filter for generator
- Four FRP fuel tanks made with vinylester and fire retardant resins and with a fire proof outer coating
- Total fuel capacity 1,700 USG (6435 Liters)
- Fuel tank sumps and drains with shut-off valves on all tanks
- Fuel management panel for engine/genset fuel supply/return selection
- High capacity 24v DC Fuel Transfer pump with suction & delivery manifolds
- Digital fuel flow totalizer for transfer system
- Fuel tank float switches and Hi-level alarm with transfer pump shut-off feature
- Sight glasses on all fuel tanks with solenoid operated safety valves
- Electric fuel priming pumps for both main engines
- Pressure type fuel tank level sensors connected to central monitoring system

Sanitary Plumbing:

- Planus Arctic Plus (white) heads
- Toilets flush to FRP holding tank with level indicator
- Toilet flushing with Seawater or Freshwater.
- Anti-odor filters on holding tank vents Port & Starboard
- 330 gal (1249 Litres) Black water tank
- Tank level indicator and pump control on Boning central monitoring system
- Plastic lined pressure accumulator tank
- Black water tank suction deck fittings port and stbd side
- Black water tank seawater flushing system, with self-closing safety valve
- Gianneschi heavy duty black water discharge pump
- Sealand T24 backup black water discharge pump

Fresh Water Plumbing:

- 400 USG (1514 Litres) total in four polyethylene tanks, with drain and isolation valves.
- Sight glasses on water tanks
- Duplex Gianneschi 24v DC Fresh water pumps, inlet filter & flow sensor
- 40 USG (151 Litres) Torrid water heater with two 220v AC heating elements and two heat exchanger coils, drain & pressure/temp relief valves
- Heat exchanger system and circulation pump for heating domestic water from port main engine via heat exchanger, circulation pump runs automatically when engine is running
- Hot water Re-circulation solenoid valve and timer with switches in both heads
- Fresh Water 316 Stainless Steel faucet on foredeck
- Fresh Water 316 Stainless Steel faucet on flybridge
- Fresh Water 316 Stainless Steel faucet in cockpit
- Whale plumbing system
- Whale gulper shower sump pumps
- Fresh water coil hose in engine room
- Pressure type water tank level sensor connected to central monitoring system

Salt Water System:

- 24v DC Gianneschi seawater pump and strainer
- Salt water 316 stainless steel faucet on foredeck
- Salt water 316 stainless steel faucet in cockpit
- Seawater flush line connected to black water tank with self-closing safety valve
- Whale brand plumbing
- Arctic Steel raw water strainers for engines, gensets, aircon and all seawater intakes

Bilge System:

- 3 pcs 3,700 GPH (14,004 Litres) Rule electric bilge pumps with auto/man control
- 1 pc 2,000 GPH (7,570 Litres) Rule electric bilge pumps with auto/man control (bustle)
- Manual bilge pump for forward bilge compartment
- Forward bilge sump pump – Whale Gulper
- Engine room bilge sump pump – Whale Gulper
- USS type bilge pump/high level alarm float switches in bustle, lazarette, engine room, and forward bilge - connected to central monitoring system

Electrical – AC:

- 230v, 17.5Kw, 50 Hz Cummins Onan eQD generator, single phase, in sound shield double mounted on anti-vibration soft mounts, with NIM module
- Load distribution panel with backlit labels. Split panel system.
- Dedicated inverter compliant AC panel
- Digital meters (volts, amps, watts and frequency) and circuit breakers as required
- Four 230v, 32A amp shore inlets fore and aft connected so that two can be used simultaneously
- Two Victron 32A Isolation transformers
- Victron Quattro 8kw inverter/charger
- AC outlets throughout boat. GFI type in heads, galley, engine room and exterior
- Integral inverter bypass system
- Victron color control GX display panel in pilothouse
- Stainless steel AC Contactor Box
- Approved Marine Grade Tinned copper wire
- Vimar AC outlets with Brushed stainless Faceplates
- Hinged panels for serviceability
- Two 20m 32 amp shore power leads with one 5m 32 amp/16 amp adaptor lead

Electrical – DC:

- Main ships system 24v DC
- Three isolated battery banks - all batteries are Lifeline AGM type
- 1200 A/H house battery bank - 12 pcs Lifeline GPL-6CT (2 volt) batteries producing 240v
- 255 A/H port engine/genset starting battery bank - 2 pcs Lifeline GPL-8DL producing 24v
- 255 A/H stbd engine starting battery bank - 2 pcs Lifeline GPL-8DL producing 24v
- 12v DC supplied via two 24v-12v DC-DC converters & back up battery system 105 Ah Lifeline GPL-31T located under flybridge helm seat producing 12v
- Remote controlled Battery master switches operable from Pilothouse, also allows paralleling of battery banks
- Two 24v Mastervolt MASS 25/15-2 battery chargers, one for each engine/genset battery bank.
- Engine/genset battery banks also charged by MAN engines original alternators

- Victron BMV battery monitor shows voltage, state of charge and current flow in & out of house battery bank – on central monitoring system
- Alarm panel for bilge & fire
- Two Delstar 200 amp, 24v heavy duty, brushless, auxiliary alternators with Ample Power regulator, and dual alternator controller
- Approved Marine Grade Tinned copper wire
- Hinged panel for serviceability
- Vimar light switches with Graphite Grey Faceplates
- Imtra LED lighting and dimmers.

Electrical Bonding:

- Copper strap or cable connecting all thru-hulls, Seatorque system, underwater fittings, pulpit and flybridge rails – (equipotential bonding system)
- Zincs on transom (2)
- Copper strapping system in engine room, flybridge and pilothouse for SSB radio counterpoise

Raymarine Navigation Equipment:

- Axiom XL 24 – 24”MFD (2)
- Axiom XL 16 – 15.6” (4)
- RMK-10 Remote Keypad (4)
- i70 Colour Instrument (6)
- P70Rs Colour Auto-pilot Head: Power (2)
- Hypro 24V autopilot pump
- ACU-400 Rudder Position Sensor
- Evolution EV1 Sensor Core
- 12kW Magnum 6ft Digital Open Array Radar
- 60STV Gen2 Satellite Television System
- 60STV Spare dome
- Forward STD Wind TX
- AIS 700
- RS 130 GPS Receiver (2)
- HS5 Seataalk Network Switch (3)
- iTC-5 Transducer Converter
- CPT-120 Bronze Thru-hull Converter
- CP100 Sonar Module
- B744V Bronze TH with fairing
- CP370 Clearpulse Sonar Module
- ICOM IC-M605 Class D DSC VHF Radio (2)

Boning/Fleming Central Monitoring System:

- 15” color touchscreen located in Pilothouse
- 15” color touchscreen located on Flybridge
- Home page with “Ready for Sea checklist”
- Digital switching of AC & DC loads, with feedback and status monitoring
- SMS remote alarm system sends text messages. (requires SIM card)
- Remote control panel located in Stidd seat arm rest
- iPad remote access on yacht and from anywhere in the world with access to WiFi

System monitors/displays the following parameters:

- All MAN engine data and alarms - analog, digital and graphic view
- Navigation lights (monitoring and control) with back-up control panel
- Bilge pumps, including counter recording number of time pump has run
- Sump pumps
- High bilge level alarms
- Fire system – Cylinder pressure
- Heat detectors
- Smoke detectors
- Black water tank level and control of discharge pump
- Fuel Tank levels using pressure type sensors
- Water tanks level using pressure type sensor
- Port and Stbd engine room air intake shutters
- Engine room, sea water & exterior ambient air temperature
- Fresh water system pressure
- Fresh water system flow
- Seawater system pressure
- Seawater system flow
- Engine room blowers
- Engine room door
- Cockpit hatch
- Engine room lights
- Steering pump
- Back-up steering pump
- Engine controls
- Watermaker
- Main engines seawater flow sensing
- Hydraulic cooling seawater flow sensing
- Genset engine data
- Wind speed & direction
- GPS (SOG, COG & Position)
- Range
- DC voltage (24v and 12v battery banks)
- Battery Master Switch position
- Fwd & aft Shorepower voltage, frequency and current draw
- Inverter voltage, frequency and current draw
- Genset/s voltage, frequency and current draw

Miscellaneous Outfit:

- eFIT – (Electronic Fleming Information Tablet) all technical documentation is supplied on an Apple iPad including, a comprehensive Owner’s Manual with system descriptions, schematics, wiring diagrams, product manuals and equipment list.
- Cruisair reverse cycle air-conditioning throughout using REU model quiet blowers and Qht controls
- Sump and condensate pump for air-conditioning in forward cabin
- Ball-type seacocks on all through hulls at or below waterline
- Sika-Flex deck Caulking
- 5/8” thick teak deck

- Lead foam insulation between accommodation bulkheads
- Fleming supplied spare parts inventory, special tools and touch up finishing materials
- Service parts inventory for Cummins, Onan and Max Q
- All supplied manuals and information sheets for machinery, equipment and instruments
- Laminated navigation charts & cruising guide books Tasmania to Lizard Island

Cruising Equipment:

- Two Auto Hutchwilco 170N life jackets with ACR personal locator beacons and strobe lights
- 8 x US Polyform fenders with fender covers
- Spare set fender covers
- 6 x Custom cap rail leather and stainless steel fender holders
- 6 x US made 25mm black berthing lines

CONSTRUCTION STANDARDS

Australia – Australian Standard 1799.1-2009

MANAGEMENT & ENVIRONMENT

Fleming Yachts Construction (HK) Ltd management and environmental systems have met and been approved by ISO 9001:2008 Quality Management Systems and ISO 14001:2004 Environmental Management Standards.

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