

18 Nov 2020 v16
WEF 85-001

Fleming 85 - Pilothouse Motor Yacht

SPECIFICATIONS

Items shown in *blue italics* are specific to the “*enclosed flybridge*” version.

GENERAL DESCRIPTION

LOA (hull): 78' 5" (23.95m)
LOA (including swim step
and anchor platform): 85' 2" (25.98m)
LWL: 72' 3" (22.05m)

Beam (moulded): 20' 6" (6.28m)
Beam Max (Inc. guard) 21' 2" (6.48m)

Draft (half load): 5' 5" (1.69m)

Air draft - Open Flybridge:
W/L to top of radar arch: 20' (6.10m)
W/L to top of mast: 26' 6" (8.10m)

Air draft - Enclosed Flybridge:
W/L to top of radar arch: 20' (6.10m)
W/L to top of mast: 26' 6" (8.10m)

Displacements:

Open Flybridge:
Minimum Operating Condition: 165,048 Lbs. (74,865kg)
Loaded Condition: 197,800 Lbs. (89,721kg)

Enclosed Flybridge:
Minimum Operating Condition: 169,448 Lbs. (76,865kg)
Loaded Condition: 202,200 Lbs. (91,721kg)

Main Engines: Twin MAN V12-1550 HP @ 2,300 RPM

Transmissions: Twin Disc MGX 6599A with Quickshift
electric shift, express, sync, and troll modes

Reduction Ratio: 2.48:1

PTO's Clutched C-Pad PTO on both transmissions

Engine Controls:	Twin Disc EC300 with Express Joystick System & Express Position System
Driveline:	Aqua Drive CV60 & HDL 780HT
Propellers:	Hung Shen S-Class, NiBrAl (42" D x P 32.5") 4 Blade. DAR 1.05
Generators:	Two Onan eQD 29 Kw 240v, 60Hz (European model 27Kw 230v 50Hz)
Stabilizers:	Humphree 16 sq. ft (1.5 sq. m) fins zero-speed, 24 vdc
Interceptors:	Humphree (Active Ride Control System)
Bow Thruster: Stern Thruster	Twin Disc BP600 82HP Hydraulic Twin Disc BP400 47HP Hydraulic
Fuel Tanks:	3,170 USG (12,000 Liters) in two FRP tanks
Water Tanks:	500 USG (1,900 Liters) in two Polyethylene tanks
Watermaker:	FCI Max-Q 1,850 GPD (290 LPH)
Black Water Tank: Grey Water Tank:	224 USG (850 Liters) in single FRP tank 224 USG (850 Liters) in single FRP tank
Monitoring System:	Fleming First Mate (FFM)

SPECIFICATIONS BY AREA OR GROUP

HULL

Solid laminate construction below the waterline, commensurate for hull size, made in a female mold.
Vacuum bagged cored laminate on topsides.
Corecell foam used for construction on hull topsides
High gloss gel coated finish in Polynt gel coat "Fleming White"
Black gel-coated flared boot stripe
Vinyl ester resin used for outer laminations up to the core.
Simulated planking grooves on hull side
Five coats of Pettit epoxy barrier coat below waterline
Two coats of Black Pettit 1088 GA antifouling paint
Underwater metals coated with Pettit Epoxy Primer 4700, (and Pettit # 97 Epoxy Thinner) and Pettit 1088GL Trinidad Antifoul
Humphree stabilizer fins coated with Prop Speed
Integrally molded guard with stainless-steel rub strip.
Keel extends below running gear
Keel space Corecell foam-filled and structurally laminated across top
FRP Rudders in a NACA foil section with solid stainless-steel Aqualoy 22 Hi-strength stocks and stainless-steel webs
Full-length stringers and athwartships frames FRP laminated over Corecell foam.
Limber and drainage holes, of ample size, arranged to drain to lowest part of bilge
Composite main structural watertight bulkheads for engine room, collision bulkhead and lazarette.
CE-approved stainless-steel portlights with removable insect screens
Stainless-steel keel shoe
Cast NiBrAl alloy "I" struts made by propeller manufacturer.
Shaft Tunnels – draft 5' 5" (1.69m) designed to suit each engine and propeller specification.
Hull tunnel design is specific to standard or optional engine choice
Moulded recessed opening for bow thruster tube for improved water flow
Transom is flat below the swim step
Hull construction plans certified by DNV.

DECK, SUPERSTRUCTURE, FLYBRIDGE & ENCLOSED FLYBRIDGE CONSTRUCTION

Cored vacuum bagged lamination for all parts made from female molds.
Corecell construction used for all major parts.
Longitudinal beams and athwartships frames FRP laminated over Corecell foam with wire pass throughs and pre-installed conduiting.
High gloss gel coated finish in Polynt gel coat "Fleming White"
Vinyl ester resin used for outer laminations up to the core for major parts.
Small parts, such as hatches, standard polyester resins used for all laminations

Corecell and Coremat construction used for small parts.
Window openings styled and designed for direct glazing of glass to superstructure and windshield, without exterior frames. Sika direct glazing method
Soft patch access in the salon deck to allow removal of engines and equipment from the engine room.
Non-skid gel coated pre-molded panels standard on forward cabin trunk, foredeck hatches, anchor platform and boat deck; panels glued in place.
Mono-chrome cabin top color and anchor hatches; and beige color on boat deck and flybridge

EXTERIOR

STANDARD FEATURES COMMON ON THE EXTERIOR

High gloss gel coated finish in Polynt gel coat "Fleming White"
Teak decking on swim platform, aft cockpit, California deck, side decks, Portuguese bridge, and forward deck.
Teak decking with Sika-Flex 290DC PRO deck caulking, vacuum bagged installation
Teak decking approximately 5/8" (15mm) thick
All stainless steel is AISI-316-L
All handrails 316 polished stainless steel with all welds ground and polished
Flooring panels for all exterior lockers with Dri-Deck Interlocking Flooring
Stainless-steel trim around roofs, on forward teak cap rail, and guard rails
Exterior door locks
Hella LED navigation lights in accordance with relevant regulations, side lights to be mounted on black back recesses or boards
Exterior seating (flybridge and California deck) with Quickdry foam, Sunbrella "Canvas Taupe" SJA 3729 137L upholstery and mesh backs for drainage.
Perfix snaps to hold exterior cushions in place
Lightweight overhead panels above California and side decks. Removable where required for access
Courtesy LED "F" logo lights at all steps on the exterior
Six Stainless Steel roller spring chocks per side (side and transom)

COCKPIT, AFT DECK, AND CALIFORNIA DECK

Covered California deck with teak decking, seating, fixed composite cored teak table with stainless-steel pedestal legs.
Counter tops in polished FRP
Seats integrated into California deck
Two docking control stations in cockpit (port & starboard corners) with EJS Joystick & EPS Display located in aft corners of combings
Large composite lazarette access hatch, flush with teak deck, gaskets, lock, & gutters with drains.
Walk-in access to crew's quarters and engine room from California deck
Cockpit with teak decking

FRP fixed swim platform, with teak decking, stainless-steel rub rail and two fold-up cleats
Three stainless steel removable rails on swim platform
Stainless-steel telescopic/folding swim ladder under swim platform, can be deployed by swimmer.
Wide teak coaming around cockpit and transom gate
Transom FRP door opening inboard with Fleming stainless steel hinge-pole design and Seadog style latch
FRP skirt inboard of teak cap
Electric warping winches port & starboard with foot switch control buttons, with stainless protective guard
Curved oval-section stainless-steel ladder to flybridge boat deck with teak treads
Sliding doors to salon. Painted stainless steel and glass. 24v DC powered
Hot & cold shower fittings on outside of transom adjacent to door, with quick release shower head and flexi hose
Sea water 316 stainless-steel faucet valve and threaded for garden hose
Fresh Water 316 stainless-steel faucet valve and threaded for garden hose.
100 Amp Glendinning Cable Master
50 Amp Glendinning Cable Master
Overhead LED lighting with dimmer control over California deck.
LED mood lighting under cockpit coaming skirt.
Four 15" heavy duty stainless-steel cleats secured to backing plates inside bulwarks on hull side and transom
Deck scuppers piped out through transom at boot stripe
316 grade stainless-steel handrails across transom and cockpit
CCTV Camera with full pan, tilt & zoom
Stainless steel compression post to support flybridge boat deck
Storage locker port side of California deck with hinged door.

SIDE-DECKS

Engine-room twin air intakes and single air discharge with moisture eliminators and fire dampers on house sides
Wide side decks along both sides of boat with teak decking
Stainless-steel CE-approved port lights with removable insect screens and deadlights Dedicated storage for both items
316 grade stainless-steel handrails along house-side
Teak rail cap on bulwarks
Bulwark gates opening inboard with heavy-duty stainless-steel hinges and Seadog style latches and barrel bolts
Built-in drop-down step to reach dock at side gates.
Stainless-steel overhead lights
Stainless-steel handrails at side deck steps.
Steps to Portuguese Bridge deck with teak treads
House side windows with tinted 8mm, double glazed, tempered glass. Direct glazed windows with moulded openings, without framing.
Two sets of spring-line roller chocks per side
Three 15" heavy duty stainless-steel cleats per side, recessed into bulwarks

Non-spill fuel fills in steps port and starboard, with custom stainless-steel “F” logo lids. Can fill both fuel tanks from either side
Water tank fills and vents in recessed boxes on port & starboard sides of superstructure
Waste tank pump outs in recessed boxes on port & starboard side of superstructure.
Stainless-steel Fleming “F” Logo on port & starboard forward roof supports.
Docking cameras on port & starboard forward roof supports. Connected to Fleming First Mate System (FFM)

PILOT-HOUSE DECK LEVEL – PORTUGUESE BRIDGE

Portuguese Bridge
Steps from side deck to Portuguese Bridge deck with teak treads
Teak decking
Teak rail cap
Deck Prism – allowing natural light in lower deck accommodation
Locker doors in aft face of Portuguese bridge, access to large vented storage with Dri-Deck flooring with storage for fenders and lines
316 grade stainless-steel handrail around forward side
316 grade stainless-steel handrails at side of pilothouse port & starboard of pilot house.
Low profile pantograph pilothouse doors with waterproof seals
Inward opening gates on Portuguese Bridge bulwark deck port & starboard
Heavy duty pantograph self-parking wipers with screen wash on each windshield
Forward facing windshields clear, 10mm, double glazed, tempered glass direct glazed windows with moulded openings, without framing.
All windows are fixed.
FRP hinged doors opening outboard port & starboard through Portuguese bridge to foredeck, with stainless-steel gas spring retainers and door holders.
Galley cooktop and microwave vent on house side

FOREPEAK

Accessed through hatch with moulded monochrome non-skid on forward deck with gas strut support
Port chain locker holds 500ft (152m) of ½” (13mm) chain
Starboard chain locker holds 300ft (91m) of ½” (13mm) chain
Anchor chains attached to bitter-end fitting via 3-strand nylon rope ¾” (18mm) diameter, with splice onto chain.
Bitter end fittings
Watertight collision bulkhead with sealed pass throughs for cabling
Forepeak drains directly overboard with FRP clamshell cover.
Hatch scuppers
High gloss poly paint finish
Overhead LED DC waterproof light
Access to hydraulic windlass motors

Port & Starboard Chain wash solenoids
Forward shorepower inlet circuit breaker (remote controlled)

FORWARD DECK

Teak decking on walkways
Non-skid panels with Polynt monochrome colored for hatches
One CE approved flush composite skylight to forward cabin, can be opened from the outside (safety and escape hatch). With concealed hinges.
Four vented deck lockers in cabin trunk. Locker lids
Stainless-steel handrail on cabin trunk doubles as lifting handles for deck locker lids
Teak rail cap on bulwarks increasing in width going forward.
Stainless-steel stanchions to support stainless-steel oval handrail
Deck lockers forward either side of anchor platform with white non-skid finish, with gas strut supports.
FRP anchor platform with integrally molded white non-skid and two sets of stainless steel rollers
One hydraulically operated primary Maxwell RC12-12 windlass with pendant control, and control panel/chain counter at both stations (P/H & F/B)
One 24 vdc electric operated secondary Maxwell RC12-12 windlass with pendant control, and control panel/chain counter at both stations (P/H & F/B)
Auto Anchor chain counters model AA 150 for both windlasses
One 220 lbs. (100 kg) as primary and One 176 lbs. (80 kg) secondary stainless-steel Ultra Anchors, with stainless-steel Ultra Swivel, Ultra Chain hook & strops
500ft (152m) ½" (13mm) Grade-60 German made, stainless-steel chain
300ft (91m) ½" (13mm) Grade-60 German made, stainless-steel chain
Eight 15" heavy duty stainless-steel cleats
316 grade stainless-steel pulpit.
Smartplug shore power inlet for 240v, 60Hz, 50A (European model 230v, 50 Hz, 32A)
Seawater 316 Stainless-steel faucet inside foredeck locker
Fresh water 316 stainless-steel faucet inside foredeck locker
Deck drains plumbed to boot-stripe to prevent black streaks
Foot switches for chain wash system with stainless steel protective cover.
Teak burgee pole
Foldaway forward facing settee

OPEN FLYBRIDGE

High gloss gel coated finish in Polynt gel coat "Fleming White"
Non-skid panels with Polynt beige colored for standard flybridge deck nonskid.
U-settee to starboard with hi-low /folding tables
Storage lockers in settee base with Bomar plastic hatches.

Forward facing Stidd 1200W bench seat with surface mount pedestals at flybridge helm position. Mounted on FRP base, with storage cabinet underneath.

Two bulkhead mounted Stidd folding footrests

Helm station to port with full engines & thruster controls, and large electronics console, with Ritchie compass (specify hemisphere)

Docking stations port & starboard with EJS joystick and EPS display

Forward facing bench seat starboard side, mounted on FRP base, with storage cabinet underneath.

Hydro electro-hydraulic steering with destroyer-type wheel

Rudder angle indicator

Humphree control panel for stabilizers and interceptors

Tinted Lexan polycarbonate venturi with stainless-steel frame

FRP Radar arch and hardtop with LED lighting, and pre-wired for speakers.

Removable composite panels for overhead with lighting.

Solar Panels mounted on hardtop

Flybridge cushions on settees with Quickdry i foam, Sunbrella "Canvas Taupe" SJA 3729 137L upholstery and mesh backs for drainage

Perfix snaps for attaching cushions

Kahlenberg D-330 air horn with twin trumpets mounted on hardtop

Kahlenberg P449-25 Compressor/reservoir, V-149K 24v Solenoid valve.

Stainless-steel oval shaped railings with mid safety rail

Stainless-steel safety rail by sliding hatch to pilothouse.

Forward access to pilothouse through FRP sliding hatch and hinged varnished teak doors.

Aft access from California Deck via stainless-steel watertight hinged hatch with stainless-steel custom safety handrails at top of curved ladder

Fire system repeater alarm

CCTV Camera with full pan, tilt & zoom, connected to monitoring system

15" color touch-screen monitoring system including MAN engine instrumentation

Dri-Deck flooring in storage areas and under seating

Two 24v to 12v DC-DC converters with 12v battery back-up system.

Low level courtesy LED lights with "F" logo.

Texas Pit Crafters gas BBQ aft of port seating, with low profile lid

Entertainment center port side with granite countertop, undermount stainless steel sink, Isotherm drinks fridge, Isotherm freezer and Isotherm icemaker.

Storage cabinets and slide out shelves

Dedicated slide-out gas locker

Dumb waiter upper access

ENCLOSED FLYBRIDGE:

High gloss gel coated finish in Polynt gel coat "Fleming White"

L-settee to starboard with hi-lo sliding table

Three Stidd 500XL low back luxury helm seats with chrome package, footrest, drink holder, and black Ultraleather upholstery

Helm station on centerline with full engines & thruster controls, and large electronics console, with Ritchie compass (specify hemisphere)

Docking stations port & starboard with EJS joystick and EPS display mounted on FRP docking station

Navigation table with seat and storage to port.

Hypro electro-hydraulic steering with destroyer-type wheel

Rudder angle indicator

Humphree control panel for stabilizers & interceptors

House and aft side windows with tinted 8mm, double glazed, tempered glass.

Direct glazed windows with moulded openings, without framing.

Forward facing windshields clear, 10mm, double glazed, tempered glass

direct glazed windows with moulded openings, without framing.

All windows are fixed.

Heavy duty self-parking wipers and screen wash on each windshield

Demister blower on forward facing windows with fan speed control

Solar panels mounted on roof of Enclosed Flybridge

Flybridge Cushions on settees with Quickdry foam, Sunbrella "Canvas

Taupe" SJA 3729 137L upholstery and mesh backs for drainage

Perfix snaps for attaching cushions

Kahlenberg D-330 air horn with twin trumpets mounted on roof of Enclosed Flybridge

Kahlenberg P449-25 Compressor/reservoir, V-149K 24v Solenoid valve.

Stainless-steel oval shaped railings with mid safety rail around boat deck

Stainless-steel safety rail by sliding hatch to pilothouse.

Fire system repeater alarm

CCTV Camera with full pan, tilt & zoom, connected to monitoring system

15" color touch-screen monitoring system including MAN engine instrumentation

Dri-Deck flooring in storage areas and under seating

Two 24v to 12v DC-DC converters with 12v battery back-up system.

Low level courtesy LED lights with "F" logo.

Kenyon "Texan" electric BBQ aft of Enclosed Flybridge bulkhead

Aft hinged door to boat deck, stainless steel painted with glass window

Low profile pantograph pilothouse doors with waterproof seals

Stairs down to raised galley

Staircase with full height vertical handrail

Entertainment center port side with granite countertop, undermount stainless steel sink, Isotherm drinks fridge

TV cabinet with universal mount at starboard settee outboard up to 55" TV with powered TV Lift (TV not included)

Storage cabinets and slide out shelves

Dedicated slide-out gas locker

Dumb waiter upper access

Teak and holly soles

BOAT DECK FOR OPEN FLYBRIDGE AND ENCLOSED FLYBRIDGE

Non-skid panels with Polynt beige colored for standard flybridge deck nonskid.

Integrated deck drains with gutter system

316 grade stainless-steel handrails

2,000 lbs. (907 kg) capacity Steelhead CT2000 davit with powered luffing, hoisting, telescopic boom, and rotation with wireless remote control for davit
GFCI 110v AC outlet (European model 230v RCD protected)
Aft access from California Deck via stainless-steel watertight hinged hatch with stainless-steel custom safety handrails at top of curved ladder
Fresh Water 316 stainless-steel faucet
Removable stainless-steel saddles for tender rails (supplied loose).
Backing plate located inside deck for tender tie down
Teak flag pole with internal stainless-steel reinforcement
Docking station aft port end of boat deck with EJS Joystick and EPS display

TECHNICAL SPACES

LAZARETTE (ACCESSED FROM COCKPIT)

Accessed through single large light weight composite hatch in cockpit
Hypro Marine Steering gear
Hypro Marine hydraulic power pack on anti-vibration mounts with FRP drip tray
Rudder and steering components; rudder bearings, tiller shelf, rudder indicator sensor
Access to underwater lights
Stainless-steel deck and hatch scuppers with removable strainers.
Hull finished with gloss white polyurethane paint, faired and brush/roller painted.
LED DC overhead lights
King Star Board, grey, diamond patterned platforms and sole boards with stainless-steel lifters.
100 amp Cable Master
50 amp Cable Master
Aft shore power inlet circuit breakers (Port & Starboard) remote controlled
Sound dampening tiles installed on top of prop tunnels
Submersible bilge pump Rule 3700 gph flow rate
High bilge water level alarm
Watertight bulkhead with sealed pass throughs for electronics and communication cabling
Escape hatch from crew's quarters
Spare parts storage bins stored on shelves.
Twin Disc 47HP Stern Thruster and associated hydraulic components
Humphree Interceptors

MACHINERY SPACE (ACCESSED FROM FORWARD LOBBY)

Accessed via floor hatch in forward lobby with gas strut hatch supports.
Air-conditioning – part of chiller system 18,000 BTU

540 USG (2,000 liters) total capacity in 2 high density polyethylene (HDPE) freshwater tanks with sight gages, port and starboard
Fresh water tanks isolation valves
Twin 24v DC freshwater pumps,
Freshwater fill hose – Vetus FDA approved
Freshwater vent and supply hose – FDA approved
Fresh water system (debris) filter
Two Hot water heaters
Safety mixer valve on hot water outlet
FRP moulded Black water tank 224 USG (850 liters)
Two heavy duty, 24v DC, black water discharge pumps (2).
FRP moulded Grey water tank 224 USG (850 liters)
Heavy duty, 24v DC, grey water discharge pump (1)
Johnson grey water sump boxes for sinks, showers and aircon condensate (5)
Heavy duty, 24v, Sea water pump, with accumulator tank (1)
Twin Disc 82HP Bow Thruster and associated hydraulics
Windlass hydraulic manifold
AC (LED) and DC (LED) lighting
Submersible bilge pump Rule 3700 GPM flow rate.
High bilge water level alarm
16Kw pure sine wave Inverter system 240v/120v (Four stacked 4,000 watt Inverters with auto-transformer) and by-pass system
Li-Ion House battery bank (1,600 A/H's @ 24v)
Four 100 amp 24v battery chargers
12kw and 24kw Iso-Boost transformers and shorepower combiner system, 150 amp output
Fireboy detection and suppression systems dedicated for Machinery Space
Heavy duty sound insulation covered with perforated aluminum silver protective covering for overhead soles and hatch.
Equipment mounted on anti-vibration mounts
Sump pump to clear keel sump recess
Air conditioning – Cruisair Titanium variable capacity chilled water system for all cabins, salon, pilothouse, crew quarters, engine room and machinery space- 216,000 BTU
CCTV Camera with full pan, tilt & zoom feature connected to FFM monitoring system
King StarBoard, grey, diamond patterned platforms and FRP sole boards with stainless-steel lifters.
Tru-Design composite thru hulls and fittings
Tru-Design composite monitored ball valves for both black water tank pump discharges; and for grey water tank discharge.
Tru-Design composite monitored ball valves for seawater pump inlet

ENGINE ROOM (ACCESSED FROM CREW QUARTERS)

Full standing headroom
Accessed from California Deck via stairs
Watertight, airtight, engine room access door with dog down latches and viewing port

MAN V12-1550 Engines

MAN primary fuel filters with water in fuel sensor
Racor 75/1000 MAX duplex primary fuel filters, with changeover valve and vacuum gage
Electric fuel priming pumps for main engines
Reverso CFS-1000 Fuel polishing system with transfer capabilities
Fuel management panel with choice of fuel supply and returns
Stainless steel, carbon coated exhaust riser with water injection spray ring
Aquadrive CV Joints and thrust bearings
Fiberglass engine drip pans with LED lighting
Twin 29Kw 60Hz Onan eQD generators (27Kw, 50Hz European model)
Double platform anti-vibration soft mounts for genset
Generator exhaust system with muffler and water/gas separator.
Submersible bilge pump Rule 3700 GPH flow rate.
High bilge water level alarm
Sump pump for mini pump to clear keel sump recess:
Crew quarters water heater
Fireboy fire detection and suppression system with auto engines/genset/blowers/dampers shutdown system
Automatic engine room ventilation system with moisture eliminators, fire dampers and air circulation fans
Humphree 24v DC stabilizer actuators & associated controls
Engine/generator start batteries – Lifeline AGM type GPL-8DL (4)
Fire retardant FRP fuel tanks (2) 3,170 USG (12,000 liters) total capacity, with sight gages, and fireproof coating
Heavy duty sound insulation covered with perforated aluminum silver protective covering.
Equipment mounted on anti-vibration mounts
Arctic Steel sea water intake strainers for engines, gensets, aircon, and all seawater intakes including external scoop strainers where required
Bilges painted with glossy white poly paint
Hinged shaft covers
FRP platforms and diamond pattered sole boards with stainless-steel lifters.
AC (LED) and DC (LED) lighting
110v GFCI electrical outlets (European model 230v RCD protected)
Stainless-steel mirror finished engine stringer caps
Air-conditioning – part of chiller system 18,000 BTU
Two CCTV cameras with full pan, tilt & zoom connected to monitoring system
Two Delstar 200 amp 24v heavy duty, brushless, auxiliary alternators
Two 24v 15-amp battery chargers, one for each engine/genset battery bank
Watertight bulkhead with sealed pass throughs for electronics and communication cabling
Work bench with stainless steel top and storage drawers and lockers port side
Twin Disc Hydraulic oil tank with plumbing and fittings.
FCI Max-Q 1826 watermaker with auto freshwater flushing system and touchscreen remote panel in pilothouse. 1850 gals/day (7,000 LPD)
Stainless steel handrails port and starboard attached to deck head along length of engine room and around front, and aft, of both main engines

INTERIOR

GENERAL

Accommodation with three ensuite staterooms & a crew cabin
Teak and holly soles throughout – hand-laid solid timber
LED recessed lighting throughout
LED mood rope lighting
Powered Ocean Air pleated blinds for salon and master cabin and master head windows
Ocean Air pleated blinds in pilothouse, guest staterooms and heads
Synthetic leather headliner – “Fleming White” throughout interior
All interior lights, locker pulls and hinges to have polished stainless-steel finish
Arcadia style teak panels on all cabinet doors and drawers throughout (including crew cabin)
Arcadia style teak panels on all cabin doors
Headroom 6’ 6” (1.97m) minimum throughout
Interior seating, sculptured foam and upholstered with standard beige fabric.
FFM touchscreen control panels in each cabin and area. To control lighting, air conditioning and blinds.
Vimar AC outlets with graphite grey silk faceplates.
Recessed AC & USB outlets
All drawers constructed with dovetail joints
Interior bulkheads and partitions feature sandwich construction of plywood, dampening sheet, and lead foam sound insulation.
All interior doors with arched design and gaskets on door frames.
Teak joinery with vertical grain and satin varnish hand-rubbed finish for all furniture and soles.

PILOTHOUSE

Chart table with double-guide drawers and stops
Chart light on flexible arm
Overhead and lower consoles with ample space for full range of electronics
Backlit electrical panels
Fleming First Mate (FMM)- monitoring system with 15” color display screen on lower console – See systems section for detailed description
Twin Disc EC300 electronic engine controls
Twin Disc EJS Joystick and EPS control panel
Twin Disc bow & stern thruster jog lever control panel
Humphree control panel for stabilizers & interceptors
Two Stidd 500XL low back luxury helm seats with chrome package, footrest, drink holder, and black Ultraleather upholstery
Remote control unit for FMM monitoring system mounted in arm of Stidd seat
L-settee on raised platform with large teak table with storage locker underneath
Cushion for In-fill pilothouse berth
Recessed door to close off pilothouse (from salon)
Stairs down to galley, and up to flybridge

Staircase with full height vertical handrail to forward accommodation
File drawer with heavy duty stainless-steel sliders
Windshield glass, clear, double glazed, tempered, 10 mm thick with direct glazing
Speich self-parking, heavy-duty windscreen wipers with multi-speed/intermittent controls & freshwater wash on forward-facing windows
Engine instruments displayed on 15" color touchscreen screen on lower console with dedicated space for autopilot control
Destroyer type steering wheel
Back-up steering control panel with back-up rudder angle indicator
Ritchie Compass with light & dimmer (specify required hemisphere)
Demister blower on forward facing windows with fan speed control
Wiring routes to facilitate equipment installation to flybridge, radar arch and engine room
LED red and white dimmable bridge lights in upper console
Generator digital control & display panels with start/stop
Windlass control panel with up/down switches & chain wash on/off push buttons
Fire system remote panel with override switch
Bilge and sump pump Auto/On/Off control rocker switches on advisory panel
Pre-wired for data and entertainment systems.
Dimmer for instrument lighting
Main engine sea water flow alarms
Synthetic suede fabric on upper surface of consoles – charcoal grey
Smoke detectors inside pilothouse and flybridge consoles.
Sconce lights with shades
Exterior pantograph pilothouse doors port and starboard
Recessed AC outlets and USB sockets

DAY HEAD

Located in adjacent to the Pilothouse.
Porcelain undermount wash basin in Engineered stone countertop
Locker and medicine cabinet with mirror
Tecma toilet
Intake and discharge head vent fans
Air-conditioning outlet
110v AC GFCI outlet (European model 230v RCD protected) mounted in protected location
Teak and holly wood soles
Fixed frosted glass window with Fleming "F" logo (for Open Flybridge)

GALLEY OPEN FLYBRIGE

Engineered stone countertops with teak lee rails
Under-mount stainless-steel sink
Insinkerator waste disposal unit with air switch control
Instahot dispenser for instant hot and cold filtered water

Miele oven
Miele 18" wide dishwasher
Convection over-the-range microwave oven with cooktop overboard vent
Refrigerator/freezer
Slide-out trash bins
Miele three-burner Induction cooktop
Custom removable stainless-steel pot holders
Ample drawers and lockers with slide out pantry unit.
Overhead storage lockers with hinged doors
Storage cabinet under sink with automatic LED lighting
Designer swivel faucet with removable spray head
110v AC GFCI outlets (European model 230v RCD protected)
Powered dumb waiter lower access

RAISED GALLEY (ENCLOSED FLYBRIDGE VERSION)

*Engineered stone countertops with teak lee rails
Under-mount stainless-steel sink
Insinkerator waste disposal unit with air switch control
Instahot dispenser for instant hot and cold filtered water
Miele oven
Miele 18" wide dishwasher
Convection over-the-range microwave oven with cooktop overboard vent
Refrigerator/freezer
Slide-out trash bins
Miele three-burner Induction cooktop
Custom removable stainless-steel potholders
Ample drawers and lockers with slide out pantry unit.
Overhead storage lockers with hinged doors
Storage cabinet under sink with automatic LED lighting
Designer swivel faucet with removable spray head
110v AC GFCI outlets (European model 230v RCD protected)
Powered dumb waiter lower access
Raised dinette with teak dinette table
Island with storage and appliances
Stainless Steel swivel foot stools*

SALON

Fixed double glazed windows in house sides with medium grey tinted, tempered, glass 8mm thick, direct glazing.
TV cabinet with universal mount at starboard settee outboard up to 55" TV with powered TV Lift (TV not included)
Staircase to master cabin.
Straight settee to port
Teak coffee table, fixed height with storage locker under
Straight settee to starboard with dining table with teak pedestal legs.

Bar cabinet with Engineered stone counter, fridge, icemaker, and bottle storage in port aft corner
Wine cooler in starboard cabinet opposite galley
Synthetic leather headliner – “Fleming White” with teak decorative trim
Aft sliding doors open to covered California deck at same level as salon
Overhead LED lighting on dimmers incorporated in control panels
Pre-wired for table lamps at end of settees.
Recessed AC outlets and USB sockets
Teak valance over windows with LED rope lighting
Large removable hatch to allow for engine & equipment removal from engine room.
Diffusers in soffits port & starboard for air conditioning
FRP sandwich with honeycomb composite sole base
Sconce lights with shade
Air intake shafts from exterior louvers (with fire dampers) to engine room, constructed to blend into interior construction.

SALON / DINING ROOM (ENCLOSED FLYBRIDGE VERSION)

Straight settee to starboard with side tables and storage
L settee to port with side tables and storage.
Teak coffee table to port, fixed height with storage locker under
Teak Dining Table with 6 Fleming Dining chairs

ACCOMMODATION DECK

GENERAL

Bulkheads with teak paneling to waist height with synthetic leather – “Fleming White” above, with teak chair-rail trim at join
Beveled-edge European sourced mirrors
LED overhead lighting on dimmers
Pre-wired for power and entertainment system
All staterooms ensuite
Hanging lockers with LED auto-light and louvered doors
CO detectors installed in all cabins and salon
Smoke detectors installed in all cabins, pilothouse, machinery space, engine room and consoles.
Interior bulkheads and partitions feature sandwich construction of plywood, dampening sheet, and lead foam sound insulation.
Arched interior doors
Door stops and magnetic holders.
Custom stainless-steel fold down bookshelf fiddles
Cabin and head doors with gaskets
Recessed AC outlets and USB sockets
Chilled water air conditioning throughout interior. Each ensuite head with ducted air conditioning

HEADS AND SHOWERS

Intake and discharge head vent fans
FRP/PU shower enclosures with glass and stainless-steel partitions and door
Engineered stone shower pans with drains below.
Temperature and pressure-compensated shower mixer valves
Engineered stone countertops with under-mount ceramic basins and designer faucets
Medicine cabinets with beveled-edge European sourced mirrors
Stainless-steel heated towel rails with thermostat control
Tecma heads
Holding tank full indicator
110v AC GFCI outlet (European model 230v RCD protected) mounted in protected location
Toilet accessories integrated with faucet fixture styling: including towel bars and rings, toilet paper holders, hooks, toilet brushes, soap dishes and other fixtures

FORWARD LOBBY FOR STANDARD LAYOUT

Reached from pilothouse via generous curved staircase.
Full height vertical stainless-steel handrail.
Access doors into master, VIP and guest staterooms
Hatch to forward machinery space in lobby sole.
Storage lockers, shelves and linen locker
Miele Washing machine and Miele Dryer located side by side on raised shelf, with storage cabinet

MASTER STATEROOM

Full beam layout
Stainless-steel CE-approved port lights (4) with removable insect screens and deadlights. Dedicated storage for both items
Direct access to owner's stateroom from Salon, and through the Forward Lobby
Tapered King-sized bed with powered lift and storage under
Foam mattress with beige fabric covering
Upholstered headboard
Teak night stand lockers either side of bed
Walk-in closet with twin hanging lockers and storage drawers; Teak faced with double louvered doors and automatic interior lights
Settee on port side with storage under
LED rope lighting under bed
TV space on bulkhead (for 55" TV).
Drawers with center guides and stops
Beveled-edge European sourced mirrors
Doors with Arcadia style teak panels with arched top
Bulkheads with teak to waist height and synthetic leather – "Fleming White" above, with teak chair-rail trim at join

Berth LED reading lights.
CO detector
Smoke detector
Vanity/desk on starboard side with upholstered chair
Custom stainless-steel fold down bookshelf fiddles
Powered Ocean Air pleated blinds for portlights
Synthetic leather headliner – Fleming White

GUEST STATEROOM - PORT

Available with twin beds or one double
Stainless-steel CE-approved port lights with removable insect screens and deadlights. Dedicated storage for both items
Hinged door to en-suite head
Hanging locker with louvered door & auto-light.
110v AC outlets (European model 230v RCD protected)
Foam mattresses with beige fabric covering
Upholstered Headboards
Berth LED reading lights
LED Rope lighting and drape tracks at portlight openings.
Full height beveled-edge European sourced mirror
CO detector
Smoke detector
Custom stainless-steel fold down bookshelf fiddles
TV space on bulkhead (for 32" TV)
Doors with Arcadia style teak panels, with arched top
Bulkheads with teak to waist height with synthetic leather – “Fleming White” above, with teak chair-rail trim at join
Ocean Air pleated blinds for portlights

VIP STATEROOM - FORWARD

Available with V-Berths or one double berth
Tapered queen-sized bed with powered lift and manual slide, with storage under. Steps either side of bed for easy access.
Retainer device for sliding bed securing knob
Foam mattress with beige fabric covering
Upholstered Headboard
Stainless-steel CE-approved port lights with removable insect screens and deadlights. Dedicated storage for both items
CE approved skylight providing light, ventilation, and emergency exit; telescopic escape ladder provided with dedicated storage in hanging locker.
Oceanaire powered insect and black-out screen for skylight
Teak lockers either side of bed
LED Rope lighting under bed and steps
Two hanging lockers. Teak faced with double louvered doors and automatic interior lights
TV space on bulkhead (for 32" TV)

Drawers with center guides and stops
Beveled-edge European sourced mirrors
Doors with Arcadia style teak panels, with arched top
Bulkheads with teak to waist height with synthetic leather – “Fleming White” above, with teak chair-rail trim at join
Berth LED reading lights.
CO detector
Smoke detector
Escape ladder stored in hanging locker
Ocean Air pleated blinds for portlights

CREW’S QUARTERS

Accessed from aft lobby via starboard side stairs from CA deck
Twin cabin with queen to port and single berth to starboard with night shelf adjacent to each berth. Stainless-steel CE-approved port lights with removable insect screens and deadlights Dedicated storage for both items
Teak joinery with vertical grain and satin varnish hand-rubbed finish
Twin hanging lockers and drawers with center guides and stops
Refrigerator
Microwave.
Head and enclosed shower
Tecma head
Extractor fan
Washbasin with faucet and mirror; locker below
Fleming First Mate (FFM) monitoring system with 15” color touch-screen located in main crew lobby.
CO detector
Smoke detector
Teak & Holly Lonseal sole in crew cabins
Grey Lonseal sole in aft lobby area
Synthetic leather headliner – “Fleming White”
LED overhead lighting
Berth LED reading lights.
Doors with Arcadia style teak panels, with arched top
Electrical distribution panels in main crew lobby
Interior bulkheads and partitions feature structural plywood bulkheads and partitions with sandwich construction plywood, sound dampening sheet and lead foam sound insulation.
Sound dampening tiles installed on tunnels
Escape hatch located in aft crew bulkhead exiting to lazarette.

SYSTEMS

STEERING

Hypro Marine electronic steering (ECS), with electronic helm units at Pilothouse and Flybridge.

Hydraulic Power-pack with on-demand variable speed primary hydraulic pump, back-up pump, and pre-plumbed autopilot pump in lazarette

Hypro Marine steering gear, K9 cylinder with 14.5" stroke, stainless steel connector arm and, tiller with stainless steel fixed tiller arm stops

NACA air foil section FRP rudders with solid stainless-steel Aqualoy 22 high-strength stocks and structure.

Composite tiller shelve

Shielded power supply cables

Back-up steering control panel with dedicated rudder angle indicator in pilothouse.

Rudder angle indicators at pilothouse and flybridge stations on displays

Rudder tubes extend above waterline

Tides rudder seal and rudder tube log.

Destroyer type steering wheels at flybridge and pilothouse with 1" straight shaft and keyway

Pilothouse steering wheel has teak grips

ENGINE AND THRUSTER CONTROLS

Twin Disc EC300 engine controls with express, sync, and troll modes, at pilothouse and flybridge.

Twin Disc bow & stern thruster jog lever controls at pilothouse and flybridge.

Twin Disc EJS System (Express Joystick System) with joysticks located at pilothouse, flybridge port, starboard, and aft docking stations, and at port and starboard cockpit docking stations.

Twin Disc EPS (Express Positioning System) with control panel display at each docking station

PROPULSION AND TRANSMISSION SYSTEM

Twin Common Rail MAN V12-1550 HP marine diesel engines

Transmissions Twin Disc MGX 6599A with electric shift and troll valves.

2.48:1 reduction ratio

Rubber Design TT3 engine mounts

5-blade Nickel Aluminum bronze propellers (NSP type) S-Class

Shafts Aqualoy 22 Hi-strength

Aquadrive anti-vibration system with CV coupling and thrust bearing

Shaft seals cast bronze of traditional type with hose connected to FRP shaft log with Buck Algonquin "Sealtight" dripless packing system

Recessed NiBrAl I-struts in tunnels with cutlass-type bearings

Quickutter Line and rope cutters

Underwater exhaust at transom with by-pass system and surge tube

Purpose built exhaust chambers with built in by-pass in transom corner.
Stainless steel, carbon coated exhaust riser with water injection spray ring
Propsmith Prop Puller with storage bracket

HYDRAULIC SYSTEM

Twin Disc central hydraulic system using variable displacement pumps on both engines, clutched C-Pad PTO's on both gears, and control panels at Pilothouse & Flybridge.

This dual pump system powers:

82 HP (61 Kw), 17.7" (450 mm) diameter bow thruster, 1,333 lbs. (604 kgf) thrust

47 HP (35 Kw), 14" (355 mm) diameter stern thruster, 881 lbs. (399 kgf) thrust
One Maxwell RC12-12 anchor windlasses

Hydraulically driven sea water cooling pump, with pre-plumbed back-up pump
Twin Disc jog lever controls for bow & stern thrusters at pilothouse & flybridge control stations

FUEL SYSTEM

3,170 USG total fuel capacity (12,000 Liters) in two FRP baffled tanks.

All fuel tanks made with fire retardant resin and fire proof outer coatings

All fuel tanks have sumps and drains with shut-off valves

Sight glasses on both fuel tanks with solenoid operated safety valves

Fuel management panel for engine/genset fuel supply/return selection

Externally mounted pressure type fuel tank level sensors connected to FFM monitoring system

FFM Monitoring system displays contents of all tanks in pilothouse, flybridge and crew cabin in gals/liters and percentage

Racor 75/1000 MAX duplex primary fuel filters, with changeover valve and vacuum gage for main engines, drip pans under filters

MAN Primary fuel filters with water in fuel (WIF) sensor

Racor 500 model fuel filters for gensets

Reverso high capacity Fuel polishing System with transfer capabilities

Fuel tank float switches and Hi-level alarm with transfer pump auto shut-off feature

Electric fuel priming pumps for both main engines

Fuel hose Trident ABYC approved hose with oversized fills and vents to prevent blow back and spillage.

Non-spill fuel fills in steps port and starboard, with custom stainless-steel "F" logo lids

Fuel fills have fuel traps to catch drips and spillage.

Both fuel tanks can be filled from either port or starboard side

LUBE OIL TRANSFER SYSTEM

Reverso oil change pumps on port and starboard sides of engine room connected to transmissions, main engines and gensets
Quick-release fittings for flexible operation

PLUMBING

BLACK WATER SYSTEM

Tecma heads in each of three staterooms, day-head and crew head
All toilets flush to 224 USG (850 Liters) black water holding tank located in Machinery Space.
Toilets can be flushed with Seawater or Freshwater
Tru-Design Anti-odor charcoal filters on black water tank vents port and starboard for cross flow ventilation
Twin Gianneschi heavy duty, 24v DC, black water discharge pumps (2).
Tru-Design monitored black water discharge seacocks, prevents black water discharge pumps operation if valves are not open
Tank level indicator and pump control on FFM monitoring system
Black water tank suction deck fittings port and starboard side
Black water tank seawater flushing system, with self-closing safety valve
Trident Premium Sanitation Hose for black water systems.
Tru-Design fittings and valves for black water and sanitation systems.
Sump and condensate pump for air-conditioning
Tru-Design composite seacocks on all through hulls at or below waterline

GREY WATER SYSTEM

224 USG (850 Liter) grey water tank with one overboard discharge pump.
Tank located in Machinery Space
Tank level indicator and pump control on FFM monitoring system
Johnson sump pump boxes (5) for each accommodation basin and shower with discharge into main grey water tank
Whale gulper pump for crew quarters basin and shower
Tru-Design Anti-odor filters port and starboard on tank vents
Dishwasher and washing machine discharge directly to grey water tank
Air conditioning condensation drains into Johnson sump boxes
Trident Premium Sanitation Hose for grey water systems.
Tru-Design composite seacocks on all through hulls at or below waterline
Tru-Design fittings and valves for grey water and shower sump system
Tru-Design monitored grey water discharge seacock, prevents grey water discharge pump operation if valve is not open

FRESH WATER SYSTEM

500 USG (1,900 Liters) in two polyethylene tanks located in Machinery Space

Sight glasses on water tanks

Twin Duplex Gianneschi 24v DC fresh water pumps, inlet filter, pressure regulator and flow sensor, mounted on vibration absorbing brackets with accumulator tank (2).

Two 20 USG (75 Liters) Torrid water heaters with drain valve, temperature/pressure relief valves, safety mixer valve, and thermal expansion tank

Hot water heating of both main water heaters with 240v AC heating elements and heat exchanger coils

Heat exchanger system and circulation pump for heating domestic water from port main engine via heat exchanger, circulation pump runs automatically when port engine is running

Forward and aft fresh water stainless-steel wash-down faucets with threaded outlets for garden hose attachment

10 USG (37 Liters) crew water heater in engine room

Whale plumbing system for freshwater pipes and fittings

Shut off valves for each fresh water fixture to allow for serving

Amtrol ST-25V accumulator tank – 10 USG (39 Liters)

Amtrol ST-5 thermal expansion tank –2 USG (7.5 liters)

Fresh water coil hose in engine room

Externally mounted pressure type water tank level sensor connected to FFM monitoring system.

SEA WATER SYSTEM

Gianneschi 24V, heavy duty, seawater pump and strainer, with flow and pressure sensor, and accumulator tank

Plumbing to chain wash solenoids

Salt water 316 stainless-steel faucet on foredeck and cockpit

Sea water flush line connected to black water tank, with self-closing safety valve

Whale brand plumbing

Arctic Steel sea water intake strainers for main engines, generator and sea water systems

Trident Premium water hose for sea water systems

Tru-Design fittings and valves for sea water intakes and systems.

Air-conditioning controlled via FFM control panels for each cabin and living area.

Sump and condensate pump for air-conditioning

BILGE SYSTEM

Rule 3700 Submersible electric bilge pumps (4) with 3700 gpm flow rate and with auto/manual control for each water tight compartment. Located in lazarette, crew quarters, engine room, machinery space.

USS type bilge pump/high water level alarm float switches (4) for each bilge pump - connected to FFM monitoring system with bilge pump counter.

Hi-bilge alarm sensors connected to SMS messaging system

Bilge sump in keel in engine room and machinery sump.
Shut off valve between engine room and machinery space bilge compartments
Trident Premium quality bilge pump system hoses
Tru-Design composite fittings and valves for bilge pump system.
Hydraulic Bilge Pump—Pacer. Located in engine room. Independent system run from the boat's hydraulic system. Overboard discharge

ELECTRICAL

ELECTRICAL – AC

Main ship's AC Electrical system is 240/120v 60hz (USA/Canada), or 230v 50hz (EU).
Twin 29 Kw, 240v, 60Hz Onan eQD (27Kw, 230v, 50Hz) generators, single phase, in sound shield, double mounted on anti-vibration soft mounts, with NIM module
Generator exhaust system with muffler and water/gas separator
16Kw pure sine wave inverter system 240v/120v (Four 4,000 watt Inverters with auto-transformer) and by-pass system
12kw and 24kw Iso-Boost transformers and shorepower combiner system, 150 amp output
50 amp forward shore power with Smart Plug inlet
50 amp aft shore power inlet, with Glendinning Cablemaster and 85ft cable
100 amp aft shore power inlet with Glendinning Cablemaster and 85ft cable
Pilothouse electrical panels - back lit
Approved marine grade tinned copper wire, double insulated boat cable, for AC wiring with Fleming color code and numbering system
Dedicated inverter compliant bus
Hinged panels for serviceability.
Vimar AC outlets with Graphite Grey Silk Faceplates

ELECTRICAL – DC

Main ships system is 24V DC
Three isolated 24v battery banks, one 12v battery bank
House battery bank Li-Ion (LiFePO4) 24v 1,600 Ah capacity -- Mastervolt
255 Ah port engine/genset starting battery bank – Two Lifeline AGM GPL-8DL
255 Ah starboard engine/genset starting battery bank – Two Lifeline AGM GPL-8DL
105 Ah 12v Backup battery – Lifeline AGM GPL-31T
12v DC provided via two 24v-12v DC-DC, 50 amp, converters & back-up battery system located on flybridge
1,800 watt solar panel charging system with four networked charge controllers
Remote controlled battery master switches operable from Pilothouse, also allows paralleling of engine battery banks
16Kw pure sine wave inverter system 240v/120v (Four 4,000 watt Inverters with auto-transformer) and by-pass system

Electrical System control & display panel in pilothouse and Machinery space
Two Delstar 200 amp 24v heavy duty, brushless, auxiliary alternators with external regulators and battery temperature sensor, connected to house battery bank

Two 24v 15-amp battery chargers, one for each engine/genset battery bank.
Engine/genset battery banks also charged by MAN engine original alternators

Remote Switching of DC circuit breakers

Battery bank monitor shows voltage, state of charge and current flow in & out of house battery bank – info displayed on remote panel in pilothouse & machinery space, and on FFM monitoring system

Hot DC Bus distribution panel with ETA type breakers and DC voltmeter

Hinged panel for serviceability

Approved marine grade tinned copper wire, 105 C insulation rating

FFM touchscreen control panels for each cabin and area. To control lighting, air conditioning and blinds.

Vimar AC outlets graphite grey silk faceplates.

Overhead BCM LED lighting with dimmers

BCM LED lighting and dimmers

Sea Vision SV19 LED (red, white, blue, green) Underwater lights on transom (2)

Stabilizers - Humphree 16 sq. ft (1.5 sq. m) fins, with zero-speed 24v DC powered, with control panels at pilothouse and flybridge

Interceptors – Humphree with Active Ride Control System (auto-trim)

Install customer/dealer supplied transducers for electronics

Approved marine grade tinned copper wire, for DC wiring. Fleming color code and numbering system

PRE-WIRING

Coax RG6U, CAT 6, and speaker cables pre-wired throughout as follows: -

- CAT 6 - 2 x from salon TV cabinet to behind flybridge console, PH console & each cabin, including crew cabin
- Speaker wire - 2 x from salon TV cabinet to flybridge radar arch port and starboard, PH console, each cabin, crew cabin, and CA deck overhead
- COAX - 2 x from salon stereo cabinet to behind FB console, PH console, and each cabin, including crew cabin
- COAX - 4 x from salon TV cabinet to under flybridge starboard settee

ELECTRICAL BONDING

Copper strap or cable connecting underwater metal fittings, pulpit and flybridge rails – (equipotential bonding system)

Zincs on transom (2)

Zincs on shafts (2)

FFM FLEMING FIRST MATE (BONING) MONITORING SYSTEM

15" color touchscreen located in Pilothouse
15" color touchscreen located on Flybridge
15" color touchscreen located in Crew Cabin
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 local SIM card)
iPad remote access
Data logging via dedicated WNL PC
CCTV System with (5) Pan/Tilt/Zoom cameras. Located at engine room (2),
Machinery Space, Flybridge, and Cockpit.
Docking cameras on port & starboard forward roof supports

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 pump counter recording number of time pump has run
Sump pumps
High bilge level alarms
Fire system – Cylinder pressures (engine room and machinery space)
Heat detectors
Smoke detectors
Black water tank level and control of discharge pump
Grey water tank level and control of discharge pump
Fuel Tank levels using externally mounted pressure type sensors
Water tanks level using externally mounted pressure type sensor
Port and Starboard engine room air intake shutter position
Engine room, machinery space, sea water, & exterior air temperature
Fresh water system pressure
Fresh water system flow
Seawater system pressure
Seawater system flow
Engine room blowers
Engine room door
Cockpit hatch (open/closed)
Cablemasters (in/out)
Passarelle (in/out) (optional)
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)
Computed Range

DC voltage (24v and 12v battery banks)
Battery Master Switch position
Forward & aft Shorepower voltage, frequency and current draw
Inverter voltage, frequency and current draw
Gensets voltage, frequency and current draw
CCTV system
Aft side door (open/closed)
Swim Platform (up /down)

DOCUMENTATION

All equipment installation and instruction manuals supplied with components installed on the yacht will be supplied in organized binders at time of delivery.

EQUIPMENT LIST

An accurate and detailed equipment list including all equipment/components make/model, part number, and serial numbers will be supplied with each yacht.

WIRE LIST

An accurate and detailed wire list will be supplied with each yacht. This list includes all electrical cables with numbering, type, and location.

SHIPPING / CONSTRUCTION CRADLE

Shipping/construction cradle – purpose designed welded steel cradle suitable for supporting the yacht during construction and transporting the completed yacht, including loading and discharge from the ship.

eFIT – (Electronic Fleming Information Tablet) all technical documentation is supplied on an Apple iPad Pro including, a comprehensive Owner's Manual with system descriptions, schematics, wiring diagrams, product manuals and equipment list.

CONSTRUCTION STANDARDS

All Fleming Yachts are built to comply with the appropriate marine and environmental regulations for the area in which the yacht is delivered

USA - NMMA Certified Manufacturer fully complying with: ABYC, USCG, and EPA regulations.

Europe - Built to CE-RCD Category "A" Ocean Standard using the relevant ISO standards.

Australia - Australian Standard 1799.1-2009

Canada - Transport Canada TP1332E 04/2010

MANAGEMENT & ENVIRONMENT

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

AFTERWORD

The question most manufacturers ask themselves when considering a new feature is whether it is necessary to include it in order to sell the boat. In the case of the Fleming, we ask only whether its inclusion will make the boat safer, better or more convenient. That is why we have introduced literally hundreds of refinements since we started construction in 1985 and why we continue the process today.

For that reason, Fleming Yachts reserves the right to make changes to specifications and equipment without notice.