

16 March 2018
Version #30 (WEF 58-029)

Fleming 58 - Pilothouse Motor Yacht

SPECIFICATIONS

General Description

LOA (hull):	62' 9" (19.1m)
LOA (including swim step and anchor platform):	65' 9" (19.9m)
LWL	56' 8" (17.3m)
Beam:	17' 6" (5.33m)
Draft:	5' (1.52m)
Air draft (to top of radar arch):	17' (5.18m)
Displacements	
Minimum Operating Condition:	88,000 Lbs. (40,000kg)
Loaded Condition:	105,600 Lbs. (48,000kg)
Main Engines:	Twin MAN i6-800 (800 HP @ 2300 RPM)
Transmission:	ZF 360A with electric shift and troll valves
Reduction Ratio:	2.609:1
Shaft System	Seatorque M4 Bolt on shaft system
Engine Controls:	Glendinning EEC3 (with back-up system)
Generator:	17Kw, 60Hz Onan eQD (European model 13.5Kw, 50Hz)
Stabilizers:	ABT TRAC 7.5 Sq. Ft fins with winglets 250 model actuators
Fuel Tanks:	1450 USG (5,488 Liters) in two tanks
Water Tanks:	320 USG (1,211 Liters) in two tanks
Black Water Tank:	165 USG (625 Liters)

SPECIFICATIONS BY AREA OR GROUP

HULL

Solid laminate, commensurate for hull size, made in female mold.
Black Gel coated boot stripe
Vinylester resin used for outer laminations
Full-length 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
Integrally molded 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)
ZF-Faster Shaft Struts

DECK AND SUPERSTRUCTURE CONSTRUCTION

All parts made from molds.
Corecell Cored construction
Cook gel coat “Fleming White”
Vinylester resin used for outer laminations

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 with relevant regulations
Fixed transom wedge trim tab
Stainless steel Fleming & “F” Logo on port & stbd forward roof supports
Quickutter line cutters
Exterior seating with EZ-Dri foam, Sunbrella upholstery, and mesh backs for drainage

AFT DECK AREA

Cockpit with teak decking.
Flush Powered lazarette hatch with hinge, gaskets, locks & gutters with drains
Integral FRP Swim step, molded white non-skid surface. Stainless steel rub rail
Storage locker in Step on Swim Step
Stainless steel telescopic swim ladder. Can be deployed by swimmer
Wide teak coaming around cockpit
FRP skirt inboard of teak cap.
Engine-room air intakes behind skirt and inside bulwarks
Stainless steel ladder to flybridge with teak treads
Sliding doors to salon. FRP with glass windows & weather strips
Seadog style latches for doors
Hot & cold shower fittings recessed on transom, with quick release shower head and flexi hose
Salt water 316 Stainless steel faucet
Fresh Water 316 Stainless steel faucet
Smartplug Shorepower inlet 220v, 50A, (European model 230v, 32A)
Worldwide shorepower system accepts range 170-520v and 40-70Hz
Overhead LED lights on dimmer (3)
LED rope lighting under coaming skirt.
Chocks at hull sides and transom.
Deck scuppers piped out at boot stripe
Hatch with stainless steel safety rail and steps down into engine room
316 grade stainless steel handrail across transom
Integral seats in port and stbd aft corners with teak tops
Courtesy LED "F" logo lights at steps up to salon
Stainless Steel Chocks and two heavy duty cleats, on port and stbd sides
Stainless Steel Chocks and heavy duty cleat on transom, port and stbd sides

SIDE-DECKS

Teak decking
316 grade stainless steel handrails along house-side
Teak rail cap on bulwarks
Bulwark doors opening inboard with barrel bolts
Non-skid on top side of guard at boarding gates
Stainless steel overhead LED lights. Two per side.
Courtesy LED "F" logo lights at steps up to Portuguese deck
Stainless steel handrails at side deck steps.
Steps to Portuguese Bridge deck with teak treads
House side fixed windows with tinted, tempered glass and FRP frames
Galley window sliding with tinted, tempered glass and FRP frame
Three Hereschoff style stainless steel cleats/chocks per side recessed into bulwarks

Fuel fill fittings for both fuel tanks in recessed boxes on Port & Stbd house side
Two Stainless Steel Chocks and four heavy duty cleats on port and stbd sides

PILOT-HOUSE DECK LEVEL

Portuguese Bridge

Teak rail cap

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 side of pilothouse Port & Stbd

Sliding aluminum pilothouse doors port & stbd with weather seals in stainless steel channels

Teak decks

Hinged doors through Portuguese bridge to foredeck – port & stbd

Individual Screen wash and heavy duty self-parking wipers on windshield

Clear, tempered 8mm glass, in forward facing windshields Pilothouse windows are fixed and have FRP frames

Inward opening doors on Portuguese Bridge side decks Port & Starboard

Stainless steel Fleming “F” logo’s on forward roof supports Port & Starboard

Black water tank suck out deck fitting on port and stbd sides

Two stainless steel fender tie fittings on port and stbd sides

Galley cooktop and microwave vent

FOREPEAK

Chain locker

Divider for port & stbd anchor chains

Watertight collision bulkhead

Forepeak drains directly overboard.

Bitter end fittings

Hatch scuppers

High gloss poly paint finish

Overhead LED light

Forward Shorepower circuit breaker

Dri-Deck flooring

Hinged sole boards

FWD DECK

Beige color non-skid deck

Cabin trunk with white non-skid finish. Drained and vented storage lockers. Hatch lids with gaskets

CE approved stainless steel hatch/skylight for forward cabin
Teak rail cap on bulwarks increasing in width going fwd
Stainless steel stanchions to support stainless steel handrail
Stainless steel oval hand rail
Deep deck lockers either side of anchor platform with white non-skid finish on lids
FRP anchor platform with molded white non-skid finish and two sets of rollers
Two 24v DC Maxwell RC12, windlasses with pendant control, and control panels at both stations (P/H & F/B)
300ft (91m) 7/16" ACCO Hi-Test galvanized chain
100Lbs (45kg) Stainless steel Ultra Anchor with stainless steel Ultra swivel, Ultra Bridle with snubbers and chain hook
Two stainless steel chocks and four heavy duty cleats on port and stbd sides
316 grade stainless steel pulpit. Welds ground and polished.
Foredeck LED "F" Logo courtesy lights at deck level
Hatch to forepeak
Smartplug Shorepower inlet for 220v, 60Hz, 50A, (European model 230v, 50 Hz, 32A)
Socket for Plug-in windlass control
Salt water 316 stainless steel faucet inside foredeck lockers
Fresh water 316 stainless steel faucet inside foredeck lockers
Deck drains plumbed to boot-stripe to prevent black streaks
FRP forepeak vent
Teak burgee pole

FLYBRIDGE

Lexan venturi with stainless steel rail & stainless steel base track
Steering console with engine and thruster controls
Stidd double helmseat with folding footrests, adjustable fore/aft position
Electronics console
Engine instrumentation & Monitoring System on 15" Boning color touchscreen
Ritchie Compass with light & dimmer
Hypro Electro/Hydraulic steering with destroyer-type stainless steel steering wheel
Fire system repeater alarm
Flybridge cushions on settees and helmseat using EZ-dri foam with Sunbrella upholstery and mesh backs for drainage
Perfix snaps for attaching cushions
L-Settee stbd side with high seat backs
Beige color non-skid deck
Satin teak table with Hi-lo and sliding stainless steel pedestal on stbd side
Straight settee port side with high seat backs
Hella LED navigation lights in accordance with relevant regulations
Kahlenberg D-330 Air horn with twin trumpets, P449-25 Compressor/reservoir, V-149K 24v Solenoid valve

Two Mastervolt 24v to 12v DC-DC converters with 12v battery back-up system.
FRP Radar arch with LED overhead lights
Stainless steel railings with mid safety rail
Stainless Steel safety gate between flybridge and boat deck
Dri-Deck flooring in storage areas and under seating
ABT TRAC-LINK color touchscreen control panel for stabilizers
Stainless steel safety rail by sliding hatch

BOAT DECK

Integrally molded beige non-skid on deck
Integrated deck drains with gutter system
316 grade stainless steel handrails.
Removable mid-rail on port side for liferaft deployment
1,000 lb capacity Steelhead ES 1000 davit with powered telescopic boom, luffing, hoisting and rotation
Hinged CE approved Manship hatch to cockpit ladder
GFCI 110v AC outlet (European model 230v AC, outlet RCD protected)
Fresh Water faucet (316 Stainless steel)
Stainless steel saddles for tender cradle (supplied loose)
Aluminum plate inside deck for tender tie down at bow
Pre-wiring for aft facing 24v DC LED flood lights, aft end of boat deck Port & Stbd
Cabinet aft of port settee for storage or installation of optional appliances (BBQ, Fridge or Freezer)
Stainless steel flag pole holder on aft flybridge rail
Teak flag pole with internal stainless steel reinforcement

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
320 gal (1211 liters) Fresh Water tanks. 2 pcs polyethylene tanks with sight gages
Aft shorepower inlet circuit breaker
ASEA Frequency Converter accepts 170-520v, 40-70Hz (allowing worldwide use)
Smoke Detector
Starboard platforms and sole boards with stainless steel lifters
Dual 24v DC 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
Submersible bilge pump
High bilge alarm

ENGINE-ROOM

Stainless Steel overhead handrails
Bow thruster Main Switch panel and fuse
Seatorque M4 BOSS (Bolt on shaft system) - 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 gear/engine resulting in a smooth vibration free and quiet operation
Hinged covers over Seatorque cardan shaft and universal joints
Fire retardant FRP fuel tanks (2).
Solenoid operated sight gages on fuel tanks
Equipment platforms
Anti-vibration soft mounts for double mounted genset
220v, 17Kw, 60Hz (European model 230v, 13.5Kw, 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
Groco raw water strainers for engines, gensets, aircon, and all seawater intakes
Main engine exhaust system with exhaust chambers and by-pass on transom
Engine room heat extraction blowers (2)
Heavy duty sound insulation covered with perforated aluminum
Engine access hatches locked down on gaskets
Fire suppression system with automatic engines/genset/blowers shutdown
Automatically closing fire dampers on air inlets and discharge vents
Heat detectors (3)
Smoke Detector
Bilges painted with gloss white polyurethane paint
Sole board covered with Lonseal vinyl.
Sole lifters stainless steel
Fresh water coiled hose
Submersible bilge pump
Sump pump
High bilge level alarm
Start/stop buttons for both engines
Lube oil pumps (2) for engines, transmissions and generator
DC LED lighting
110v GFCI electrical outlets (European model 230v AC, outlet RCD protected)
Kahlenberg Horn Compressor
600 A/H house battery bank - 8 pcs Lifeline GPL- 6CT AGM (6 volt) batteries
255 A/H port engine/genset starting battery bank – 2 pcs Lifeline GBL-8DL

255 A/H stbd engine/genset starting battery bank - 2 pcs Lifeline GBL-8DL
Drip pans underneath main engines
Lead foam sound insulation
Starboard platforms and sole boards
Airtight FRP door with dog down latch and viewing port
Air-conditioning compressors
Gianneschi 24v DC high capacity sea water pump
Balmar alternator regulator & battery bank temp sensor
Two 24v Mastervolt MASS 25/15-2 battery chargers, one for each engine/genset battery bank.

INTERIOR

Accommodation choices:

Standard Accommodation layout “**A**” - Three staterooms, two heads with central passageway, Washer & Dryer to stbd, stbd cabin with up/over berths, port cabin twin (or queen) and master cabin forward with queen berth. Access is from salon. (Dayhead is optional with this layout)

Or

Optional Accommodation layout “**B**” - Three staterooms, two heads with full beam master cabin midships, port cabin with upper & lower berths, washer & dryer access from lobby, and forward cabin with queen berth (or Vee-Berths). Access to accommodation is from the Pilothouse. Layout “**B**” also includes Dayhead in the Pilothouse.

Accommodation with three staterooms
Hanging lockers lined with teak
Insect screens for all opening windows, portlights and skylights
Mobella interior door locks
Cruisair reverse cycle air-conditioning with remote compressors and Qht controls
All cabins pre-wired for intercom/phone system
LED mood rope lighting behind valances, stairs and settees
LED overhead lighting throughout
Teak joinery with satin varnish hand-rubbed finish throughout
Teak and holly sole throughout – hand-laid solid timber (not plywood)
Light fixtures to have shiny stainless steel (chrome) finish
Interior locker door handles to be brushed stainless steel finish
Interior bulkheads feature sandwich construction with lead foam sound insulation
Headroom 6’ 6 ½” (2.0m) minimum throughout
Ultraleather headlining
Interior bulkheads lower half teak, upper half Ultraleather

AC outlets and light switches to be Vimar brand with graphite grey faceplates
All drawers constructed with dovetail joints
Cabin & Head doors with gaskets

SALON

Fixed windows in house sides
Opening window in galley with removable insect screen
Sliding doors at aft end
Spring loaded barrel bolts to allow phantom screen installation
Medium grey tinted, tempered, glass.
Wood window blinds with teak retainers
Pre-wired for intercom/phone system
Teak valance over windows with LED rope lighting
Overhead LED light fixtures on dimmers
Access hatches to allow for engine removal.
Ultraleather headliner "Doe"
CO detector
Upholstered L-Settee
Fleming Hi-Lo oval table with teak top
FRP sandwich with honeycomb composite sole
Air-conditioning
Aft bar cabinet with icemaker
Imtra Sconce lights with shade – Atlas model
Entertainment center, teak cabinetry & lockers full length from galley refer to aft bulkhead
Vertical handrails at top of stairs to accommodation

GALLEY

Granite (or Corian) countertops
Black composite double sink
Insinkerator waste disposal
Convection microwave oven with cooktop overboard vent
Three burner Miele flush mount induction cooktop
Removable Stainless Steel potholders for cooktop
20.5 cu ft side by side refrigerator/freezer
Swivel faucet with removable spray head
Overhead LED lighting
Slide out trash bins
Four Drawers with guides and stops
Overhead Cabinets
Air-conditioning
Duplex 110v AC GFCI outlets (European model 230v AC, outlet RCD protected)

Granite splash back installed behind sink and cooktop
Preparation for optional dishwasher – including AC power cables, circuit breaker, and F/W feed with valve
Full height slide-out pantry stbd side
Slide-out storage drawer above cooktop
Teak slide-out deep storage drawers on aft arm of galley counter
Swing-out “Magic” corner storage unit in outboard corner
Storage cabinet under sink with automatic LED lighting

PILOTHOUSE

One Stidd 500XL low back Helm Seat with Chrome Package and black Ultraleather upholstery.
Remote control unit mounted in stbd arm of Stidd seat
Chart table with double-guide drawers and stops
Chart light on flexible arm
Dismountable control console with space for owner supplied electronics
Engine instruments displayed on 15” color touchscreen screen on lower console with dedicated space for Autopilot control
ABT TRAC-LINK color touchscreen control panel for stabilizers
Horn control
Air reservoir for air horn
Back lit Boning EOP engine start & stop panels with transponder ignition keys
Electronic engine controls. Glendinning EEC 3 with back up gear and throttle with synchronizer
Hypro Electro/Hydraulic steering system with Destroyer type steering wheel
Back-up Steering system with dedicated pump and Pilothouse control panel
Back-up rudder angle indicator
Ritchie Compass with light & dimmer
Overhead electronics console
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
Back lit electrical & Battery Master Switch panel
Advisory panel
Doors on electrical and advisory panels
L-shaped settee on raised area
Wooden window blinds on port & stbd windows (3) with teak retainers
Teak table with single stainless steel leg and swivel
File drawer
Self-parking, heavy-duty wipers with multi-speed/intermittent controls & individual fresh water wash on forward-facing windows
Windshield glass, clear, tempered, 8 mm thick
Demister blower on forward facing windows

Control for bow thruster
Hinged access panel to underside of flybridge console
Air-conditioning
Black water tank level indication and pump control via Boning Screen
Generator start/stop & digital control panel
Windlass up/down switch & control circuit breaker
Fire system and high-level bilge alarms
Bilge pump control switches on advisory panel
Pre-wired for intercom/phone system
Imtra Sconce lights with shade – Atlas model
In-Fill piece for P/H berth
Smoke Detector inside Pilothouse console
Fleming central monitoring system with Boning 15” color display screen on lower console – See systems for detailed description
“Charcoal” Ultrasuede fabric on upper surface of consoles

ACCOMMODATION

PASSAGE

Lower part of bulkhead finished with teak, upper part finished with Ultraleather
Teak chair-rail trim at join
Access doors to staterooms (option A)
LED Rope lights at stairs to accommodation
Overhead LED lighting
Manual bilge pump under steps
Bosch washer and Bosch drier in cabinet with louvered door

FORWARD STATEROOM

CE approved stainless steel hatch with powered Oceanair sliding insect and black-out screens
Tapered queen-sized bed with hydraulic lift and manual slide
Retainer device for sliding bed securing knob
Upholstered Headboard
Foam mattress
Teak lockers either side of bed
LED Rope lighting under bed and steps
Two hanging lockers. Teak faced with louvered doors. Automatic interior lights
TV space on bulkhead
Drawers with center guides and stops
Beveled-edge mirrors
Door stops and holders.

Doors with teak frame with flat teak panels.
Bulkheads with teak to waist height with Ultraleather above
LED overhead lighting
Berth LED reading lights
CO detector
Smoke Detector
Drapes
Emergency Escape telescopic ladder stored in port hanging locker
Air-conditioning – Cruisair with Qht control panel

PORT HEAD (en Suite)

CE-approved Portlight with removable insect screen
FRP shower stall with granite sole & seat and lockers
Stainless steel framed glass custom shower doors
Shower mixer, pressure and temperature compensated
Stainless steel toiletries rack inside shower locker
Marble or granite counter top with porcelain basin
Hans-Grohe Faucets
Beveled-edge mirrors
LED overhead lighting
110v AC GFCI outlet (European model 230v AC, outlet RCD protected)
Planus toilet, white color.
Ventilator fan
Stainless steel towel rails
Drapes
Air-Conditioning inlet from cabin
Lifting mirror above basin
Trident Premium Sanitation hose
Holding tank full indicator

STBD GUEST CABIN (Accommodation Option A only)

Stainless steel CE-approved portlights with removable insect screens
Two up & over berths
Hanging locker with auto-light.
Nightstand with drawers
110v AC outlet (European model 230v AC)
Foam mattresses
LED overhead lighting
Berth LED reading lights
LED Rope lighting and drape tracks at portlight openings.
Full height beveled-edge mirror
CO detector

Smoke Detector
Drapes
Air-conditioning – Cruisair with Qht control panel

PORT STATEROOM

Stainless steel CE-approved portlights with removable insect screens
Twin berths, upper berth slides outboard when not in use
LED rope lights under berths
Full height beveled-edge mirror
Hanging locker with auto light and louvered door
Valance over portlights
Foam mattresses
110v AC outlets (European model 230v AC)
Upholstered Headboards
LED overhead lighting
Bookshelves
CO detector
Smoke Detector
Drapes
Berth LED reading lights
LED Rope lighting and drape tracks at portlight openings.
Air-conditioning – Cruisair with Qht control panel

GUEST HEAD

CE-approved Portlight with removable insect screen
FRP-lined shower stall with granite sole
Stainless steel framed glass custom shower doors
Lockers
Shower mixer pressure and temperature compensated
Marble or granite counter top with porcelain undermount basin
Hans-Grohe Faucets
Beveled-edge mirrors
LED overhead lighting
110v AC GFCI outlet (European model 230v AC, outlet RCD protected)
Stainless steel towel rails.
Planus toilet, white color.
Ventilator fan
Drapes
Air-Conditioning inlet from cabin
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, 24v DC reversing back-up pump, and pre-plumbed 24v DC reversing 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 EEC 3 electronic engine controls with troll, and synchronizer at pilothouse and flybridge.

Back up engine controls system in pilothouse (gear and throttle)

MACHINERY

Twin Common Rail MAN i6-800 HP Engines

ZF or Twin Disc Marine transmissions with electric shift and troll valves

Stabilizers - ABT TRAC 7.5 Sq. Ft fins with winglets and 250 model actuators, hydraulically operated locking pins, hydraulically driven sea water cooling pump, and two color touchscreen control panels (P/H & F/B)

Coolant recovery tanks on main engines

Sidepower SP240TC 15.5 HP (11.4 Kw) bow thruster with Sidepower Main

Switch unit and jog lever controls at each station

4-blade Nickel Aluminum bronze propellers

Shaft struts – recessed “I” Brackets

Seatorque M4 BOSS (Bolt on Shaft System)

Transom/underwater exhaust mixing chamber

Fleming central monitoring system with Boning 15” color touch-screens in Pilothouse and Flybridge – see Systems for full description

FUEL SYSTEM

Fuel filters. Racor 75/1000MAX Duplex with vacuum gauges, and water-in-fuel sensors for main engines.

Racor 500MA fuel filter for generator

Two FRP fuel tanks made of vinylester and fire retardant resins with fire proof exterior coating

Total fuel capacity 1,450 USG (5,489 Liters)

Sight glasses on both fuel tanks with solenoid operation via push button

Fuel tank sumps and drains with shut-off valves on all tanks

Fuel management panel for engine/genset supply return selection

Remote emergency fuel shut-off device for both tanks

Pressure type fuel level sensors connected to central monitoring system

PLUMBING

SANITARY

Planus toilets, white color.

Toilets flush to FRP holding tank with level indicator

Toilet flushing with Seawater or Freshwater.

Anti-odor filters on holding tank vents Port & Starboard

165 USG (625 Liters) Black water tank

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 24v black water discharge pump

Sealand T24 backup black water discharge pump

FRESH WATER SYSTEM

320 USG (1211 Liters) total in two polyethylene tanks, with drain and isolation valves.

Sight glasses on water tanks

Dual 24v DC Gianneschi Fresh water pumps

20 USG (75 Liters) Torrid water heater with 220v AC heating element and heat exchanger coil, drain & pressure release valves.

Heat exchanger system and circulation pump for heating domestic water from port main engine

Fresh Water 316 stainless steel faucet on foredeck

Fresh Water 316 stainless steel faucet on flybridge

Fresh Water 316 stainless steel faucet in cockpit

Hans-Grohe interior faucets

Whale brand plumbing

Fresh water coil hose in engine room
Pressure type level sensor connected to Boning monitoring system

GREY WATER SYSTEM

Head basins and showers drain into two Johnson grey water sump/pump collector boxes and automatically discharge overboard

SEA WATER SYSTEM

Gianneschi 24v DC seawater pump and strainer
Salt water 316 stainless steel faucet on foredeck
Salt water 316 stainless steel faucet in cockpit
Sea water flush line connected to black water tank, with self closing safety valve
Whale brand plumbing
Groco intake strainers for main engines, generator and sea water system

BILGE SYSTEM

3 pcs 3,700 GPH Rule electric bilge pumps with auto/man control
Manual bilge pump for engine room bilge compartment
High level bilge alarm switches in lazarette, engine room, and forward bilge using USS type bilge pump/high level alarm float switches (3) connected to Fleming Central Monitoring Display
Bilge counter on Boning System
2 pcs Whale gulper sump pumps

ELECTRICAL

ELECTRICAL – AC

220v, 17Kw, 60Hz Onan eQD generator, single phase, in sound shield, double mounted on anti-vibration soft mounts, with NIM module (European model 230v, 13.5Kw, 50Hz)
Remote distribution panels.
Dedicated inverter compliant AC panel
Remote controlled and monitored circuit breakers
Digital meters (volts, amps, watts and frequency) and circuit breakers as required
Two 220v, 50 amp shore inlets one forward and one aft connected so as both can be used simultaneously (European model has two 230v, 50Hz, 32A inlets)

ASEA frequency converter accepts shorepower range 170-520v and 40-70Hz, allowing worldwide use
AC outlets throughout boat. GFCI type in heads, galley, engine room and exterior
Vimar light switches and AC outlets with Graphite Grey Silk Faceplates
3,500 watts, 110v 60Hz pure sine wave Outback inverter (European model is 3000 watts, 230v 50 Hz)
Inverter bypass system
Inverter remote control panel in pilothouse.
Approved Marine Grade Tinned copper wire
Hinged panels for serviceability

ELECTRICAL – DC

Main ships system 24v DC.
Three isolated 24v battery banks– all batteries are Lifeline AGM type
600 Ah house battery bank - 8 pcs Lifeline GPL-6CT AGM (6 volt) batteries
255 A/H port engine/genset starting battery bank – Two Lifeline GPL-8DL
255 A/H stbd engine/genset starting battery bank– Two Lifeline GPL-8DL
105 Ah 12v Backup battery – Lifeline GPL-31T
12v DC provided via two 24v-12v DC-DC, 20 amp, converters & back-up battery system located on flybridge
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
DC load distribution panels with remote circuit breakers, sub panels as required
Outback Flexnet DC House Battery Bank Monitor shows voltage, state of charge and current flow in & out of house battery bank – info displayed on Mate remote panel in pilothouse and on central monitoring system
Two Delstar 200 amp, 24v heavy duty, brushless, auxiliary alternators with Balmar external regulator, and battery temperature sensor
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 and buss bars or cable connecting all thru-hulls, 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

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
Optional iPad remote access

System monitors/displays the following parameters:

All MAN (or Cummins) engine data and alarms - analog, digital and graphic view
Navigation lights (monitoring and control) with back-up control panel
Bilge pumps & counter
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
Port and Stbd Seatorque shaft oil temperature
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
Lazarette hatch
Cablemaster (in/out)
Passarelle (in/out)
Engine room lights
Steering pump
Back-up steering pump
Engine controls
Watermaker (if installed)
Main engines seawater flow sensing
Hydraulic cooling seawater flow sensing (if installed)
Genset engine data
Wind speed & direction
GPS (SOG, COG & Position)
Range

DC voltage (24v and 12v battery banks)
Fwd & aft Shorepower voltage, frequency and current draw
Inverter voltage, frequency and current draw
Genset/s voltage, frequency and current draw
SMS messaging

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.

Cruisaire reverse cycle air-conditioning throughout using REU model quiet blowers and Qht controls
Ball-type seacocks on all through hulls at or below waterline
Sika-Flex deck Caulking
5/8" thick teak deck
Pre wiring with coax, CAT 5 and speaker cables throughout – two of each cable run from every cabin to TV cabinet and from P/H to TV Cabinet, and from F/B to TV cabinet (4 coax)

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.

European - 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 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.

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.