

22 Jan 2019
Version #72 (WEF 55-251)

Fleming 55 - Pilothouse Motor Yacht

SPECIFICATIONS

General Description

| | |
|---|--|
| LOA (hull): | 55' 9" (16.99m) |
| LWL | 50' 10" (15.5m) |
| LOA (including swim step and anchor platform): | 60' 9" (18.50m) |
| Beam: | 16' (4.88m) |
| Draft: | 5' (1.52m) |
| Air draft (to top of radar arch): | 16' (4.88m) |
| Displacements | |
| Minimum Operating Condition: | 67,801 Lbs. (30,754kg) |
| Loaded Condition: | 80,178 Lbs. (36,368kg) |
| Main Engines: Twin Cummins QSC 8.3 500 hp | |
| Transmission: | Twin Disc MG5075A |
| Reduction Ratio: | 2.53:1 |
| Engine Controls: | Glendinning EEC3 (with back-up system) |
| Shafts: Aqualloy 22 Hi-strength | |
| Driveline: | Aquadrive CV42 & HDL680 |
| Generator: | 17Kw, 60Hz Onan eQD (European model 13.5Kw, 50Hz) |
| Stabilizers: | ABT TRAC 7.5 Sq. Ft fins with winglets 220RMB model actuators |
| Bow Thruster: | SE250 15.5 HP (11.4 Kw) |
| Fuel Tanks: | 1000 USG (3785 Liters) in four tanks |
| Water Tanks: | 300 USG (1135 Liters) in four tanks |
| Black Water Tank: | 100 USG (378 Liters) |
| Monitoring System: | Fleming First Mate (FFM) / Boning |

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 Petit 1088 GL 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)
Recessed shaft “A” Struts
Fin cutters in front of stabilizer fins

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
Stainless steel Fleming & “F” Logo on port & stbd forward roof supports
Exterior seating with EZ-Dri foam, Sunbrella upholstery, and mesh backs for
drainage

AFT DECK AREA

Cockpit with teak decks
Flush lazarette hatches with hinges, gaskets, locks & gutters with drains
FRP Swim step, with stainless steel brackets. Molded white non-skid surface.
Stainless steel rub rail
Stainless steel telescopic swim ladder under swimstep. 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 on inside of transom adjacent to door, with quick release shower head and flexi hose
Salt water 316 Stainless steel faucet
Fresh Water 316 Stainless steel faucet
Smartplug Shorepower inlet for 220v, 50A, (European model 230v, 32A)
Three overhead LED lights with dimmer control
LED rope lighting under coaming skirt.
Chocks (fairleads) at hull sides and transom.
Two 14" stainless steel heavy duty cleats secured to plates inside bulwarks
Deck scuppers piped out through transom at boot stripe
Hatch with steps down into lazarette for access to engine room
316 grade stainless steel handrail across transom

SIDE-DECKS

Teak decks
316 grade Stainless steel handrails along house-side
Teak rail cap on bulwarks
Bulwark doors opening inboard with Seadog style latches and bolts
Nonskid on top side of guard at boarding gates
LED overhead lights. Two per side.
Courtesy LED "F" logo lights at steps up to Portuguese deck
Stainless steel handrails at side deck steps.
Stainless-steel grab rails over side deck bulwark gates port & stbd
Steps to Portuguese Bridge deck with teak treads
House side fixed windows with tinted, tempered glass, and FRP frames
Galley & Pantry windows sliding with tinted, tempered glass and FRP frames
Two sets of spring-line chocks (fairleads) per side
Three Hereschoff style stainless steel cleats/chocks per side recessed into bulwarks
Fuel fill fittings for four fuel tanks

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

Teak decks

Hinged doors through Portuguese bridge to foredeck

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

Clear, tempered 8mm thick 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

Galley cooktop and microwave vent

FOREPEAK

FRP Chain and rope lockers with removable stainless-steel access plate

300ft (91m) of 3/8" (10mm) CIA10 Grade 60 Stainless steel German chain

Separate stowage for chain and rope

Watertight collision bulkhead

Forepeak drains directly overboard.

Bitter end fittings

Hatch scuppers

High gloss poly paint finish

Overhead light

FRP Vent

Dri-Deck flooring

FWD DECK

Teak deck

Two stainless steel CE approved skylights

Teak rail cap on bulwarks increasing in width going fwd

Stainless steel stanchions and mid rail

Oval stainless steel hand rail

Lockers either side of anchor platform with white non-skid finish

FRP anchor platform with integrally molded white non-skid and two sets of rollers

Two 24v DC Maxwell RC12, windlasses with pendant control, and control panels at both stations (P/H & F/B)

Four stainless steel Hereschoff cleats

Two 14" stainless steel cleats per side.
316 grade stainless steel pulpit rail. Welds ground and polished.
Foredeck LED "F" Logo courtesy lights at deck level
Hatch to forepeak
Smartplug Shorepower inlet for 220v, 50A, (European model 230v, 32A)
Plug in for windlass remote 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
77 Lbs. (35kg) Stainless steel Ultra Anchor with stainless steel Ultra Swivel
Ultra Chain hook with strop (for securing anchor when stowed)
Teak burgee pole

FLYBRIDGE

Lexan venturi with stainless steel rail
Steering console with engine controls
Helmseat for two persons at control station with stainless steel folding foot-rest
Electronics console with black Formica panel
One Boning 8.8" color touchscreen for Engine instrumentation & FFM Monitoring System
Ritchie Compass with light & dimmer
Hypro Electro/Hydraulic steering with destroyer-type stainless steel steering wheel
Rudder angle indicator with light and dimmer
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
Beige color non-skid deck
Table stbd side with drink holders
Straight settee port side
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 20A 24v to 12v DC-DC converters with 12v battery back-up system.
FRP Radar arch with LED lighting
Dumb waiter pass-thru from galley to flybridge
Stainless steel railings with mid safety rail
Dri-Deck flooring in storage areas and under seating
ABT TRAC-LINK color touchscreen control panel for stabilizers
Low level courtesy LED lights with "F" logo

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 ES1000 davit with powered telescopic boom, luffing, hoisting and rotation, with radio remote control
Sliding 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 bow tie down
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 steering pumps, on anti-vibration mounts with FRP drip tray
Deck and hatch scuppers
Hull finished with gloss white polyurethane paint
LED overhead lights
300 USG (1,135 liters) Fresh water, in four polyethylene tanks with sight gages
Air-conditioning compressors
Aft shorepower inlet circuit breaker
Battery master switch panel – allows parallel switching
Remote fuel shut-off system
Aft & Main DC electrical panels
Bow thruster Main Switch panel and fuse
Starboard platforms and sole boards with stainless steel lifters
Groco raw water strainers for air-conditioning
Fresh water system (debris) filter
Fresh water tanks drain valve, with protective cover
Fresh waters tank isolation valves
Submersible bilge pump
High bilge alarm
Shorepower select contactors
255 A/H port engine/genset starting battery bank – Two Lifeline GPL-8DL
Seacock & strainer for watermaker
Smoke detector

ENGINE-ROOM

Aquadrives with thrust plate & CV joints
Rubber Design soft engine mounts
Bronze dripless shaft seals with Buck Algonquin "Seal Tight" Packing
Hinged covers over Aquadrive thrust bearings & shaft seals
Two Gianneschi Fresh water pumps with changeover valves, select switch and flow sensor
Fire retardant FRP fuel tanks (4), with sight gages
ABT TRAC Stabilizers actuators, with hydraulically operated locking pins
ABT TRAC hydraulic oil reservoir, filter and oil cooler
220v, 17Kw, 60Hz (European model 230v, 13.5Kw, 50 Hz) Onan eQD genset with sound shield and combined muffler/water separator for exhaust
Groco raw water strainers for engines gensets aircon and all seawater intakes
Main engine exhaust system with water-lock muffler
Engine room heat extraction blowers (2) with manifold
Heavy duty sound insulation covered with perforated aluminum
Engine access hatches locked down on gaskets
Emergency release latch on engine room forward hatch
Fire suppression system with automatic engines/genset/blowers shutdown
Heat detectors (2)
Smoke detector
Bilges painted with gloss white polyurethane paint
Sole boards covered with Lonseal vinyl
Sole lifters stainless steel
Fresh water coiled hose and nozzle
Submersible bilge pump
High bilge level alarm
Start/stop buttons for both engines
Lube oil pumps (2) for engines, transmissions and generator/s
AC LED Slimlights
DC LED lighting
110v GFI electrical outlets (European model 230v AC, outlet RCD protected)
Kahlenberg Horn Compressor
Double platform with anti-vibration soft mounts for genset
440 A/H house battery bank - 8 pcs Lifeline GPL-4CT AGM (6 volt) batteries
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
Gianneschi 24v DC high capacity sea water pump
Lead foam sound insulation
Starboard platforms and sole boards
Airtight FRP door with dog down latch and viewing port
Balmar MC-624 alternator regulator with house battery bank temperature sensor
Two ASEA Isolation & voltage boosting transformers for shorepower

Two 24v Mastervolt 15 amp battery chargers, one for each engine/genset battery bank.

Two 200 amp DC charge dividers

INTERIOR

Accommodation with three staterooms

Hanging lockers lined with Formica

Insect screens for all opening windows, portlights and skylights

German made 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 with polished stainless steel finish

Vimar light switches and AC outlets with Graphite Grey silk Faceplates

Interior locker door handles with polished stainless steel finish

Interior bulkheads feature sandwich construction with lead foam sound insulation

Headroom 6' 6" (1.97m) minimum throughout

All drawers constructed with dovetail joints

Cabin & Master Head doors with gaskets

Standard three stateroom accommodation includes master cabin forward (en-suite) with two hanging lockers, port cabin with twin berths & hanging locker, stbd cabin with upper & lower berths & hanging locker, guest head to stbd.

SALON

Fixed windows in house sides

Opening windows in galley and pantry, with removable insect screens

Sliding doors at aft end

Spring loaded barrel bolts to allow fly 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.

Vinyl headliner

CO detector

Upholstered L Settee

Fleming Hi-Lo oval table with teak top
Composite sole - FRP sandwich with honeycomb core & sound insulation
Cruisair reverse cycle air-conditioning with Qht control panel
Air-conditioning outlets in soffits
Aft bar cabinet with icemaker
Removable storm sill for aft doors
Sconce lights with shade
Entertainment centre, teak cabinetry & lockers full length from galley refer to aft bulkhead, with powered TV lift

GALLEY

Granite (or Corian) countertops
Granite splash back installed behind sink and cooktop
Undermount stainless steel double sink
Insinkerator waste disposal
Convection microwave oven with cooktop overboard vent
Three burner Miele flush induction cooktop
Removable Stainless steel potholders for cooktop
20.5 cu ft side by side refrigerator/freezer
Swivel faucet with pull out spray head
Overhead LED light fixtures
Slide out three shelf pantry locker
Two Slide out drawers above cooktop
Drawers with guides and stops
Cabinets
Cruisair reverse cycle air-conditioning with Qht control panel
110v AC GFCI outlets (European model 230v AC, outlet RCD protected)
Dishlocker on stbd side – top and front opening
Preparation for optional dishwasher – including AC power cables, circuit breaker, and F/W feed with valve
Dumb waiter pass-thru from flybridge to galley
Storage cabinet under sink with automatic LED lighting

PILOTHOUSE

Stidd 500XL low back helm seat with chrome package, footrest, drink holder, and black Ultraleather upholstery
Chart table with double-guide drawers and stops
Chart light on flexible arm
Dismountable control console with space for owner's choice of electronics
19" Ultrawide Boning color touchscreen display for engine instrumentation and FFM monitoring system - see System for detailed description

ABT TRAC-LINK color touchscreen control panel for stabilizers
Horn control push button
Air reservoir for Kahlenberg air horn
Rudder angle indicator with light & dimmer
Back lit engine start & stop buttons and key switches
Electronic engine controls - Glendinning EEC 3 with synchronizer and back-up gear and throttle system
Hypro Electro/Hydraulic steering system with Destroyer type steering wheel
Pilothouse steering wheel has teak grips
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 distribution panels for AC and DC
Alarm and advisory panel
Doors on AC, DC 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, 8mm thick
Vinyl headliner
Demister blower on forward facing windows
Control for bow thruster
Hinged bookcase for access to underside of flybridge console
Cruisair reverse cycle air-conditioning with Qht control panel
ITIM Black water tank level indication and pump control panel 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
Fire system remote alarm panel
Bilge pump control on advisory panel
Pre-wired for intercom/phone system
Dimmer for instrument lighting
Main engine sea water flow alarms
Sconce lights with shade
"Charcoal" suede fabric on upper surface of consoles
In-Fill cushion for pilothouse berth
Smoke detector under Pilothouse console
Drawer under pilothouse table

ACCOMMODATION

PASSAGE

Lower part of bulkhead finished with teak, upper part finished with Formica. Teak chair-rail trim at join
Access doors to staterooms
Rope lights at stairs to salon and forward cabin
Overhead LED lighting
Manual bilge pump under steps
Stacked Bosch washer and Bosch drier in cabinet behind sliding door

FORWARD STATEROOM

Four stainless steel CE-approved Portlights with removable insect screens
CE approved stainless steel skylights (2) with sliding insect and black-out screens
Tapered queen-sized bed with hydraulic lift and manual slide mechanism
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 double louvered doors and automatic interior lights
Forward shorepower inlet circuit breaker
TV space on bulkhead
Drawers with center guides and stops
Beveled-edge mirrors
Door stops and holders.
Doors teak frame with flat teak panels.
Bulkheads with teak to waist height with Formica above
LED overhead lighting
Berth LED reading lights
CO detector
Smoke detector
Drapes
Emergency Escape hatch with integral ladder
Cruisair reverse cycle air-conditioning with Qht control panel

PORT HEAD (en Suite)

CE-approved Portlight with removable insect screen
FRP shower stall with granite sole, auto sump pump, & seat and lockers

Stainless steel and 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 Faucet
Beveled-edge European sourced mirrors
LED overhead lighting
110v AC GFCI outlet (European model 230v AC, outlet RCD protected)
Tecma head
Ventilator fan
Stainless steel towel rails
Drapes
Trident Premium Sanitation hose
Holding tank full indicator

STBD GUEST CABIN

Stainless steel CE-approved portlights with removable insect screens
Two berths, upper berth slides outboard when not in use
Hanging locker with auto-light.
Nightstand with drawers
110v AC outlet (European model 230v AC, outlet RCD protected)
Foam mattresses
LED overhead lighting
Berth reading lights
LED Rope lighting and drape tracks at portlight openings.
Full height beveled-edge mirror
Pocket entrance door
CO detector
Smoke detector
Drapes
Cruisair reverse cycle air-conditioning with Qht control panel

PORT STATEROOM

Stainless steel CE-approved portlights with removable insect screens
Twin berths
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, outlet RCD protected)
Upholstered Headboards

LED overhead lighting
Bookshelves
CO detector
Smoke detector
Drapes
Berth reading lights
LED Rope lighting and drape tracks at portlight openings.
Cruisair reverse cycle air-conditioning with Qht control panel

GUEST HEAD

CE-approved Portlight with removable insect screen
FRP-lined shower stall with granite sole
Stainless steel and glass custom shower doors
Lockers
Shower mixer, pressure and temperature compensated
Marble or granite counter top with porcelain basin
Hans-Grohe Faucet
Beveled-edge European sourced mirrors
Porcelain basins
LED overhead lighting
110v AC GFCI outlet (European model 230v AC, outlet RCD protected)
Stainless steel towel rails.
Tecma head
Ventilator fan
Drapes
Trident Premium Sanitation hose
Holding tank full indicator

SYSTEMS

STEERING

Hypro Marine Electro-Hydraulic Steering with electronic helm units at Pilothouse and Flybridge.

Hydraulic Power-pack with on-demand variable speed primary pump, 24v DC back-up pump, and pre-plumbed 24v DC Autopilot Pump in lazarette

Shielded power supply cables

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

Separate power supply and control for backup steering

FRP rudders with Aqualloy 22 stocks

Destroyer wheel at flybridge and in pilothouse

Pilothouse steering wheel has teak grips

Back lit rudder angle indicators at pilothouse and flybridge stations

Rudder tubes extend above waterline

ENGINE CONTROLS

Glendinning EEC 3 electronic engine controls with synchronizer at pilothouse and flybridge.

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

MACHINERY

Two Cummins QSC 8.3 500 HP Common Rail Engines

Twin Disc MG5075A marine transmissions with 24v electric shift

Stabilizers - ABT TRAC 7.5 Sq. Ft fins with winglets and 220RMB model actuators, hydraulically operated locking pins, and two color touchscreen control panels (P/H & F/B)

One Boning 19" Ultrawide color touchscreen display at main helm console for engine instrumentation and FFM monitoring system

One 8.8" color touchscreen at Flybridge control station, for engine instrumentation and FFM monitoring system

Coolant recovery tanks for main engines

Sidepower SE250 15.5 HP (11.4 Kw) bow thruster with Sidepower Main Switch unit and jog lever controls at each station

4-blade (NSP) Nickel Aluminum Bronze propellers

Shafts Aqualloy 22 Hi-Strength 2 1/4" diameter

Recessed "A" Brackets

Aquadrive CV joints & thrust bearings

Water-lock muffler with transom exhaust

Hydrotab trim tabs with indicators and controls in Pilothouse and Flybridge

FUEL SYSTEM

Fuel filters. Racor 75/900MAX Duplex with vacuum gauges, and water-in-fuel sensors for main engines.

Racor 500MA fuel filter for generator

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

Total fuel capacity 1,000 USG (3,785 Liters)

Sight glasses on all fuel tanks with self-closing safety valves

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 all tanks

Pressure type fuel level sensors connected to FFM monitoring system

PLUMBING

BLACK & GREY WATER SYSTEMS

Tecma heads

Toilets flush to FRP holding tank with level indicator

Toilet flushing with freshwater or seawater

Anti-odor filters on holding tank vents port & starboard

100 USG (378 liters) Black water tank

ITIM Black Tank level monitoring & pump control system, with auto pump shut-off

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

Black water discharge seacocks with position sensors – prevents discharge pumps running if valves are closed

FRESH WATER SYSTEM

300 USG (1,135 Liters) total in four polyethylene tanks, with drain and isolation valves.

Sight glasses on water tanks

Two Gianneschi fresh water pumps with changeover valves, select switch and flow sensor (second pump is a back-up)

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

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

Fresh Water 316 Stainless-steel faucet on foredeck, flybridge and cockpit
Hans-Grohe interior faucets
Whale brand plumbing
Whale gulper shower sump pumps
Fresh water coil hose & nozzle in engine room
Pressure type level sensor connected to FFM monitoring system

SEA WATER SYSTEM

24v DC Gianneschi high capacity seawater pump and strainer
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
Groco intake strainers for main engines, generator and sea water system

BILGE SYSTEM

3 pcs 2,000 GPH Rule electric bilge pumps with auto/man control
Manual bilge pump for engine room bilge compartment
Hi-level bilge alarm switches in lazarette, engine room, and forward bilge using
USS type bilge pump/high level alarm float switches (3) connected to FFM
Monitoring System

ELECTRICAL

ELECTRICAL – AC

220v, 17Kw, 60Hz Onan eQD generator, single phase, in sound shield, double
mounted on anti-vibration soft mounts (European model 230v, 13.5Kw, 50Hz)
Load distribution panel with backlit labels. Split panel system. Sub panels as
required
Dedicated inverter compliant AC panel
Digital meters (volts, amps, watts and frequency) and circuit breakers as required
Two 220v, 50 amp shore inlets fore and aft, connected so that both can be used
simultaneously (European model has two 230v, 32A inlets)
Two ASEA Isolation & voltage boosting transformers for shorepower
AC outlets throughout boat. GFCI type in heads, galley, engine room and exterior
Vimar AC outlets with Graphite grey faceplates.
3,500 watts, 110v 60Hz pure sine wave Outback inverter (Euro model 3000
watts, 230v 50 Hz)
Inverter bypass system
Inverter remote control panel in pilothouse.
Approved Marine Grade Tinned copper wire used throughout
Hinged panel for serviceability

ELECTRICAL – DC

Main ships system 24v DC.

Three isolated battery banks – all batteries are Lifeline AGM type

440 A/H house battery bank - 8 pcs Lifeline GPL-4CT 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

Battery disconnect and selector switches accessible from outside engine room

Two 24v Mastervolt 15 amp battery chargers, one for each engine/genset battery bank.

DC load distribution center with circuit breakers and backlit labels.

Outback Flexnet DC house battery bank monitor – shows voltage, state of charge, and current flow in & out of house battery bank - info displayed on Outback remote panel in P/H and on FFM System

110 amp 24v Leece-Neville externally regulated alternators on each engine

Balmar MC-624 external alternator regulator with house battery bank temperature sensor

Approved Marine Grade Tinned copper wire

Aft DC electrical panel in Lazarette

Hinged panel for serviceability

Vimar light switches with Graphite Grey Faceplates

LED lighting and dimmers

ELECTRICAL – BONDING

Copper strap or cable connecting all thru-hulls, underwater fittings, pulpit and flybridge rails – (equipotential bonding system)

Zincs on transom (2)

Zincs on trim tabs (2)

Copper strapping system in engine room, flybridge and pilothouse for SSB radio counterpoise

FLEMING FIRST MATE - MONITORING SYSTEM (FFM)

19" Ultrawide color touchscreen in Pilothouse
8.8" color touchscreen on Flybridge.

System remotely controls exterior lighting, navigation & anchor lights, Instrument lighting, engine room blowers, and pilothouse forward window demister.

SMS remote alarm system sends text alarm messages. (requires SIM card)
Optional CCTV System

System monitors/displays the following parameters:

Cummins engine data and alarms - analog, digital and graphic view
Gear oil pressure and temperature
Gear ahead/astern
Navigation lights (monitoring and control)
Bilge pumps running
High bilge level alarms
Fuel Tanks levels using pressure type sensors
Water tanks level using pressure type sensor
Engine room blowers
Engine room door
Main engines seawater flow sensing
Range (requires GPS data input)
Genset/s running
Forward & Aft Shorepower live
House battery bank State of Charge, voltage and current flow
Smoke detectors

PRE-WIRING AS FOLLOWS:

Speaker wires

2-Core Speaker wires are run from salon entertainment center to:

Pilothouse overhead console (Port & Stbd)
Forward cabin hanging lockers (port & stbd)
Port cabin aft bookshelves (port & stbd)
Stbd cabin outboard valance (fwd and aft)
Salon soffits port & stbd (3 speakers per side)
Aft deck cockpit cabinets

Coax

One RG6U coax cable is run from the flybridge console to forward cabin port hanging locker.

RG6U Coax cables are run from the salon entertainment center to:

Flybridge stbd side underneath seating

Flybridge console

Pilothouse console

Port cabin forward hanging locker

Forward cabin port hanging locker

CAT 5

Two CAT 5 cables are run from the pilothouse console to the forward cabin port hanging locker

CAT 5 cables are run from salon entertainment center to:

Pilothouse overhead console

Port cabin (by air handler)

Forward cabin (behind Aircon control panel)

Stbd cabin (underneath bed)

Intercom/Telephone

An 8-core signal cable is run from the P/H console to:

Forward cabin (stbd side of bed)

Port head (by air handler)

Port cabin (under bed)

Stdb cabin (under bed)

Galley (under sink counter)

Flybridge (under console)

Engine room (forward, stbd side by light switch)

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.

Propsmith – All new Fleming’s are equipped with a Propsmith tool which can be used for simple, trouble-free installation and removal of the propellers. The PropSmith is both a prop puller and a prop pusher, with no risk of damage to the prop.

Cruisair 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

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.