

June 22nd 2010
Version #27

Fleming 75 - Pilothouse Motor Yacht

SPECIFICATIONS

GENERAL DESCRIPTION

LOA: 75'
LWL: 68'10"
Beam: 21' 5"
Draft: 5' (with shaft tunnels)
Full load displacement: 165,000 lbs
Hull Type: Semi-displacement

Main Engines: MAN V12-1550 Hp
Reduction Ratio: Nominal 2.5:1
Generators: Two 32 Kw 220v, 60Hz Onan eQD (27Kw 230v 50Hz)
Fuel: 3,000 US gals (11,356 Liters) in four Fiberglass tanks
Water: 500 US gals (1892 Liters)

Height from waterline to top of radar arch 21'8" (without mast)
Height from bottom of keel to top of radar arch 26'8" (without mast)

SPECIFICATIONS BY AREA OR GROUP

HULL

Solid laminate construction, commensurate for hull size, made in female mold.
Vinylester resin used for outer laminations
Full-length stringers and athwartships frames laminated over foam
Simulated planking grooves

Gel coated finish

Five coats of epoxy barrier coat below waterline.
Integrally molded guard with stainless steel rub strip
Keel extends below running gear
Keel space filled and sealed across top
FRP rudders with Aqualoy 22 Hi-strength stocks
CE-approved stainless steel portlights
S/S keel shoe
ZF Faster I struts
Shaft Tunnels – draft 5ft (1.52m)

DECK AND SUPERSTRUCTURE CONSTRUCTION

All parts made from molds.
Corecell Cored construction
Cook gel coat

EXTERIOR

Stainless steel trim around roofs, on forward teak cap rail, and guard
Italian made exterior locks
LED navigation lights in accordance with appropriate Collision regulations
Enclosed shower fittings convenient to inward-opening transom door
Teak decks

AFT DECK AREA

Walk-in access to engine-room and crew's quarters
Covered California deck with seating, table and serving counter
Cockpit with teak decking.
Flush lazarette hatches with hinges, gaskets, locks & gutters with drains
FRP Swim step, with Stainless steel brackets, molded non skid surface and
Stainless steel rub rail
Stainless steel telescopic swim ladder, can be deployed by swimmer
Wide teak coaming around cockpit
FRP skirt inboard of teak cap
Electric warping winches
Engine-room air intakes behind skirt and inside bulwarks
Curved oval-section Stainless steel ladder to flybridge boat deck with teak treads
Sliding doors to salon. Aluminum with FRP skin, glass windows & Stainless steel
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
Two Shore power inlets - 220v, 60Hz, 50A (European model 230v, 50 Hz, 32A)
Shore inlets for Telephone & TV.
Overhead lighting.
LED rope lighting under coaming skirt
Chocks at hull sides and transom (4)
Six 15" heavy duty Stainless steel cleats secured to plates inside bulwarks
Deck scuppers piped out through transom at bootstripe
Hatch with steps to engine room
Integrally molded seats
316 grade Stainless steel handrails across transom
Courtesy LED "F" logo lights at step up to CA Deck
CCTV Camera with full pan, tilt & zoom feature connected to central monitoring system connected to central monitoring system

SIDE-DECKS

Wide side decks along both sides of boat with teak decking
316 grade stainless steel handrails along house-side
Teak rail cap on bulwarks
Bulwark doors opening inboard with Seadog style latches and bolts
Stainless steel overhead lights
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 windows with tinted, tempered glass and FRP frames
Two sets of spring-line chocks per side
Five 15" heavy duty Stainless steel cleats per side, recessed into bulwarks
Non-spill fuel fills in steps port and stbd, with custom stainless steel "F" logo lids.
Can fill all fuel tanks from port or stbd fills

PILOT-HOUSE DECK LEVEL

Teak decking
Portuguese Bridge
Teak rail cap
Ventilated storage lockers in aft face of Portuguese bridge
316 grade stainless steel handrail around forward side of pilot house.
316 grade stainless steel handrails at side of pilothouse Port & Stbd
Sliding Aluminum pilothouse doors with Stainless steel weather seals

Hinged doors Port & Stbd through Portuguese bridge to foredeck with stainless steel gas spring retainers
Individual Screen wash and heavy duty self-parking wipers on windshield
Clear, tempered 9mm glass, in forward facing windshields
Pilothouse windows are fixed and have FRP frames
Inward opening doors on Portuguese Bridge side decks Port & Starboard

FOREPEAK

Accessed through hatch on fwd deck
Twin chain bins each with capacity of 400 ft. (120 meters) of ½" chain
Chain and rope lockers with removable stainless steel access plate, chain pipes & rollers
Watertight collision bulkhead
Forepeak drains directly overboard.
Bitter end fittings
Hatch scuppers
High gloss poly paint finish
Overhead light
Access to hydraulic windlass mechanism
Chain wash solenoid

FWD DECK

Teak decks
Cabin trunk with one large CE approved stainless steel skylight to forward cabin
Stainless steel handrail on cabin trunk
Teak rail cap on bulwarks increasing in width going fwd
Stainless steel stanchions to support teak handrail
Teak hand rail
Deck lockers forward either side of anchor platform.
FRP anchor platform with integrally molded non-skid and two sets of rollers
Twin Maxwell 3500 hydraulic anchor windlasses with pendant control and remotes at both stations (P/H & F/B)
Anchor platform with twin anchor rollers and chain stopper
Fleming white Non-skid on top of cabin trunk.
Eight 15" heavy duty Stainless steel cleats
Stainless steel roller chocks
316 grade stainless steel pulpit. Welds ground and polished.
Foredeck LED "F" logo lights at steps through gates thru Portuguese bridge.
Hatch to forepeak
Two Shore inlets for 220v, 60Hz, 50A (European model 230v, 50 Hz, 32A)
Shore inlets for Telephone & TV.
Salt water 316 Stainless steel faucet inside foredeck lockers

Fresh water 316 Stainless steel faucet inside foredeck lockers
Plug in for windlass control
Deck drains plumbed to boot-stripe to prevent black streaks
Stainless steel, CE-approved portlights
Foot switch for chain wash system

FLYBRIDGE

Two-level with: L-settee, bench seating, Stidd helmseat
Control station with electronic engine controls and engine display panels
Powered hydraulic steering with destroyer-type wheel
Rudder angle indicator with light and dimmer
Retractable electronics console
LED rope lighting inside console
Lexan venturi with Stainless steel rail
FRP Radar arch with spreader lights
Lower level has straight & L-settees and table with Corian or granite counter top
Entertainment center with dual electric BBQ's, sink, refer and icemaker
Flybridge cushions on settees with EZ-Dri foam, Sunbrella upholstery and mesh backs for drainage
Perfix snaps for attaching cushions
Buell air horn with twin trumpets and double reservoir
Stainless steel signal mast with bow and anchor lights, and aft facing floodlight
Stainless steel railings with mid safety rail
Stainless steel safety rail by sliding hatch
Fire system repeater alarm
CCTV Camera with full pan, tilt & zoom feature connected to central monitoring system connected to central monitoring system

BOAT DECK

Integrally molded beige non-skid on deck
316 grade Stainless steel handrails
1,500 lb capacity Steelhead ES1500 davit with powered luffing, hoisting, telescopic boom, and rotation
Hinged hatch to cockpit ladder
GFCI 110v AC outlet (European model 230v RCD protected)
Boat deck with access from flybridge and from California deck
Fresh Water 316 stainless steel faucet
Stainless steel saddles for tender rails (supplied loose)
Aluminum plate located inside deck for tender tie down

TECHNICAL SPACES

LAZARETTE

Accessed through two lockable hatches in cockpit
Steering gear
Hypro Marine hydraulic power pack on anti-vibration mounts with FRP drip tray
Deck and hatch scuppers
Hull finished with gloss white polyurethane paint
Overhead lights
500 USG total capacity in three fresh water tanks
Aft shorepower inlet circuit breakers
Starboard platforms and sole boards with s/s lifters
Cablemasters with 85ft. of cable port & stbd
Soundown noise reducing material installed on top of prop tunnels
Crew 10 USG (37 Liters) water heater

MACHINERY SPACE (ACCESSED FROM FORWARD LOBBY)

Two 20 USG Torrid water heaters
Black water tank and pumps
Fresh water and sea water pumps
Grey water tank and pumps
Storage lockers
Two stacked Outback 3,500 watt Inverters with by-pass system
Bowthruster and associated hydraulics
AC and DC lighting
Bilge pump
House battery bank Lifeline AGM 12 pcs P/N GPL-L16T (1200 A/H's @ 24v)
AC system & shorepower control equipment
Isolation-boosting transformers
Air conditioning equipment for cabins including VFD's for salon and pilothouse
aircon compressors
Fire detection and suppression systems
Machinery space is ventilated and sound proofed
Sump pump
Air-Conditioning for Machinery Space
CCTV Camera with full pan, tilt & zoom feature connected to central monitoring
system connected to central monitoring system

ENGINE ROOM

Accessed from aft lobby via stairs down from port side-deck
Full standing headroom

MAN V12-1550 Engines with 220v block heaters
Electric fuel priming pumps
Aquadriives CV Joints and thrust bearings
Fiberglass drip pans with lighting
32Kw Onan generators
Work bench with Stainless steel top and storage drawers
Spare parts storage bins
Bilge pump
Sump pump
Primary and back-up Fresh water pumps
Exhaust system using U.S-made components
Fuel transfer system with pump, filter and fuel flow totalizer
Lube oil transfer system
Fire detection and suppression system with auto engines/genset/blowers shutdown
Freshwater fill hose
Stabilizer actuators
Engine/generator start batteries – Lifeline AGM type
Fire retardant FRP fuel tanks (4). 3,000 USG total capacity, with sight gages
Heavy duty sound insulation covered with perforated aluminum
Groco raw water strainers for engines gensets aircon and all seawater intakes
Equipment platforms
Bilges painted with glossy white poly paint
Hinged shaft covers
Sole board covered with Lonseal vinyl.
AC and DC lighting
110v GFI electrical outlets (European model 230v RCD protected)
Double platform Anti-vibration soft mounts for genset
220 A/H port engine/genset starting battery bank – Lifeline AGM type
220 A/H stbd engine/genset starting battery bank – Lifeline AGM type
Stainless steel mirror finished plates on inboard face of aft fuel tanks
Stainless steel mirror finished engine stringer caps
Airtight FRP door with dog down latch with viewing port
Starboard platforms and sole boards
Lead foam sound insulation
Air-conditioning compressors
16,000 BTU Air-conditioning for engine room
Two CCTV cameras with full pan, tilt & zoom feature connected to central monitoring system

INTERIOR

GENERAL

Teak and holly soles throughout
LED Recessed lighting throughout
LED mood rope lighting
Wood mini-blinds in recesses
Ultra-leather or Ultrasuede headliner
All interior lights, locker pulls and hinges to be Stainless steel finish
Raised teak panels on all cabinet doors throughout (including crew cabin)
Raised teak panels on cabin doors in accommodation

PILOTHOUSE

Chart table with chart light and drawers
Overhead and lower consoles with ample space for full range of electronics
Backlit AC & DC electrical panels
Engine instrumentation panel
Boning/Fleming Central monitoring system with 15" color touch-screen (and repeater in crew cabin)
Glendinning electronic controls with back-up system
Stidd helmseat
L-settee on raised platform with large teak table
Day head with toilet, washbasin and opening portlight
Stairs down to galley
File drawer with heavy duty Stainless steel sliders
Pilothouse air-conditioning which can run on inverters

GALLEY

Granite work surfaces
Under-mount composite double sink
Garbage disposer
Instahot dispenser for instant hot and cold filtered water
Miele oven
Miele 18" wide Dishwasher
Convection over-the-range microwave
Sub-Zero refrigerator with two freezer drawers
Trash compactor
Four-burner induction cooktop with 2 burners wired to inverter
Custom Stainless steel pot holders
Ample drawers and locker with overhead storage lockers
LED rope lighting inside galley sink cabinet

DINING AREA

Large teak oval dining table
Curved banquette seating
Sideboard with glass doors
Custom overhead lighting fixture with concealed and dimming lighting over table

SALON

Entertainment centre with cabinets and bookshelves along stbd side
TV cabinet at starboard aft corner with TV Lift (Bennett Ram type, TV not included)
L-settee to port
Bar cabinet with granite counter, sink, combo fridge/icemaker, and bottle storage
Teak coffee table with storage locker
Ultraleather or Ultrasuede headliner
Aft sliding doors open to covered California deck at same level as salon

ACCOMMODATION

GENERAL

Teak and holly soles
Teak paneling and Ultra-suede wall coverings
Ultra-leather or Ultra-suede headliners
Beveled edge mirrors
All staterooms en-suite
Hanging lockers with LED auto-light and louvered doors
CO detectors installed in all cabins (including crew) and salon
Lead foam sound insulation in all accommodation bulkheads
Arched interior doors

HEADS

Ventilation blowers – Manrose type with light
Fiber-glassed shower enclosures with glass and Stainless steel partitions
Marble or Granite shower pans
Temperature and pressure-compensated shower mixer valves
Marble or granite countertops with under-mount ceramic basins and designer faucets
Medicine cabinets
Stainless steel towel rails
Master head includes a magazine rack

FORWARD LOBBY

Reached from p/house by stairs with shelve and increase in width as they descend

Custom overhead light fitting with dimmer

Security Stainless steel vertical post

Hatch to machinery space

Access doors into master, VIP and guest staterooms

Miele Washing machine

Miele Dryer

MASTER STATEROOM

Master has a tapered king bed which opens hydraulically for storage under

Walk-in closet

Desk and bureau

Sliding door to en-suite head and shower

GUEST STATEROOM

Available with twin beds or one double

Sliding door to ensuite head

VIP STATEROOM

Tapered Queen bed with storage under

CE-approved skylight with insect and black-out screens

Two hanging lockers with auto light

CREW'S QUARTERS

Accessed from aft lobby via stairs from port side-deck

Two berths

Twin hanging lockers

Drawers

Desk with mirror

Toilet room with Tecma head, shower and washbasin

Escape hatch

Bilge pumps

Air Conditioning

SYSTEMS

STEERING

Hypro electronic steering (ECS), hydraulic power assisted with DC back-up pump and autopilot pump.
Solid Stainless steel rudders of axe-blade type with Aqualloy 22 high-strength stocks
Destroyer type steering wheels at flybridge and pilothouse
Pilothouse steering wheel has teak grips

ENGINE CONTROLS

Glendinning electronic engine controls at pilothouse and flybridge
Emergency back-up system for gear and throttles

PROPULSION AND TRANSMISSION SYSTEM

Twin MAN V12-1550 HP marine diesel engines
Transmissions ZF 2050A 2.467:1 reduction ratio
4-blade Nickel Aluminum bronze propellers
Shafts Aqualloy 22 Hi-strength
Aquadrive anti-vibration systems
Shaft seals cast bronze of traditional type using Buck Algonquin dripless packing system
Groco sea strainers on engines and gensets
Recessed I-struts in tunnels with cutlass-type bearings

FUEL SYSTEM

3,000 USG total fuel capacity. (11,356 Liters)
2,500 USG in one internally-divided FRP tank
500 gals in two FRP side tanks
All fuel tanks have fire retardant coating
All fuel tanks have sumps and sight-gages
Monitoring system displays contents of all tanks in pilothouse in USG gals/Liters and percentage
Fuel transfer pump with fuel totalizer
Twin Racor 1000 model filters with change-over valve and vacuum gage for main engines, drip pans under filters
Racor 500 model filters for gensets

LUBE OIL TRANSFER SYSTEM

Reverso Pumps on port and stbd sides of engine room connected to transmissions, main engines and gensets
Quick-release fittings for flexible operation

PLUMBING

SANITARY

Headhunter neo-classic heads in each of three staterooms
Tecma toilet in Crew head
Tecma toilet in Day head
All toilets flush to 250 USG holding tank
Day head & crew head has three-way valve to permit direct overboard discharge
Toilets can be flushed by SW or FW
Anti-odor charcoal filters on black tank vents port and stbd to promote cross flow ventilation
Black water tank AC discharge pump and second DC pump for backup
Tank level indicator

GREY WATER SYSTEM

250 USG grey water tank with Headhunter discharge pump
Tank level indicator
Basins and showers drain to individual sumps each with own pump
Each pump has 3-way valve to drain overboard or into grey water tank
Anti-odor filters port and stbd on tank vents

FW SYSTEM

500 gals in three tanks in lazarette
Freshwater pump is Headhunter Mach 5
Mach 5 backup freshwater pump pre-plumbed
Two 20 USG Torrid water heaters with drain valve, pressure relief valves and mixer safety valve
Hot water re-circ system with solenoid located in forward head and switches in each guest head
Hot water heating from main engine via heat exchanger, circulation pump runs automatically when main engine running
Forward and aft fresh water washdown outlets
10 USG Crew water heater in lazarette

SW SYSTEM

24V DC pump
Forward Sea Water washdown faucet
Plumbing as required to toilets
Flushing line connected to holding tank

BILGE SYSTEM

4 pcs. Rule submersible pumps
Whale scavenger sump pumps

ELECTRICAL

AC

Two 32 Kw 220v, 60Hz Onan eQD (27Kw 230v 50Hz)
Two shore inlets forward and two aft.
Aft shorepower inlets have Glendinning Cablemasters each with 85 ft. of cable
Shore supply connected to two Charles Iso-boost transformers
Digital meters at switch panels, volts, amps, frequency and watts
Panels back lit
Tinned copper wire used throughout

DC

Main ships system is 24V DC
12V DC available via two 20 amp DC-DC converters & 12V battery backup on flybridge
Battery disconnect and selector switches accessible from outside e/room
House battery bank consisting of 12pcs 6 volt Lifeline AGM batteries connected in series parallel to provide 1200 A/H's capacity at 24 volts.
Two stacked 3500 watt Outback pure sine-wave inverters with 170 amp (@ 24 volts) battery charging capacity
Two additional high output auxiliary alternators on main engines, 140 amp @ 24 volts
Additional 24V DC battery banks for each engine/genset charged by MAN original alternators plus additional dedicated battery charger
Switching allows paralleling of batteries
Battery Monitor for house bank
DC load distribution panel with breakers and meters back-lit with dimmer
Alarm panel for engine functions plus bilge, fire, raw water etc.
Repeater panel in crew cabin area

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 shafts (2)
Copper strapping system in engine room, flybridge and pilothouse for SSB radio counterpoise

HYDRAULIC SYSTEM

American Bowthruuster central hydraulic system using variable displacement pumps on both engines
This dual system powers:
12 sq. ft stabilizer fins with winglets
60 hp 16" diameter bow thruster
Twin Maxwell anchor windlasses

MISCELLANEOUS OUTFIT

SeaKits Marine Maintenance System (MMS) – Spare parts and maintenance management System including first year subscription
Cruisair reverse cycle air-conditioning throughout using REU model quiet blowers and SMX HT controls
Sump and condensate pump for air-conditioning in forward cabin
Ball-type seacocks on all through hulls at or below waterline
Sika-Flex deck Caulking
5/8" thick teak deck

Pre wiring with coax, CAT 5 and speaker cables throughout as follows:-

- CAT 5 - 2 x from salon stereo cabinet to behind FB inboard panel, PH console & each cabin
- Speaker wire - 2 x from salon stereo cabinet to FB radar arch port and stbd, PH console, each cabin, laz or aft deck overhead
- COAX - 1 x from salon stereo cabinet to behind FB inboard panel, PH console, and each cabin
- COAX - 4 x from salon stereo cabinet to FB stbd settee near davit base

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 or 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.