



FUSION 40

Professionally Built

Launched November, 2007.

Commissioned January 2008.

Documented British Virgin Islands

\$650,000 Australian
"Not for sale in U.S. waters"
Currently cruising in Bahamas'

DIMENSIONS LOD 39' Beam 23'4" Bridgedeck Clearance 30" Masthead Clearance 62' Draft 3' to 7'

DESCRIPTION

The Fusion 40 'Boomerang' is a one (meticulous) owner boat, lightly sailed and never chartered, fully equipped and ready to cruise. Featuring Fusion infused construction, custom glass/carbon daggerboards, infused carbon fibre forebeam, carbon fibre chainplates and performance sailplan with upgraded UK Halsey/Calvert FST main, self-tacking jib, screacher, asymmetric



GALLERY



INVENTORY

ENGINES

(2) Yanmar 3YM30FC 29HP with SD 20 Saildrives. Hours under 500

TANKAGE

(2) Fuel @ 50 gal. ea. (2) Water @ 50 gal. ea.

CONSTRUCTION - Hulls, decks, all major components are modular vacuum infused modified vinyl ester resin/gelcoat and Divinacell foam core. Custom infused carbon fibre forebeam, carbon fibre chainplates.

PROPULSION AND STEERING

- Twin 29HP Yanmar Model 3YM30FC fresh water cooled diesel saildrive engines, under 500 hrs. each as of Feb. 2010.
- Twin Filter Boss units each with twin Racor filters, electric fuel pumps, vacuum gauges, crossover plumbing for fuel transfer and fuel polishing.
- Kiwi feather props, composite feathering 3 blade props.
- Prop Speed epoxy coating on saildrives and props.
- Rudders are fibreglass composite, balanced S.S. stocks, in low friction bearings, solid cross link connection, Edson steering system.

DAGGERBOARDS

(2) Glass/carbon daggerboards in glass/kevlar trunks with UHMW plastic glides. Up and down haul controls lead to Antal line drivers at cockpit for simple one operation up/down winch control.

COLLISION BULKHEADS

Each hull has a forward collision bulkhead with foam filled bows.

ELECTRICAL

(4) Kyocera 120 watt solar panels (total 480 watts), wired through Blue skies MPPT charge controller.
IPN Pro remote battery system monitor.
Prosigne 2.0 2000 watt inverter/charger to provide AC power from the 12 volt batteries.
110V AC outlets are installed in the following places: (1) each head, (1) galley, (2) salon, (1) nav. station, (1) workshop, (1) each stateroom.
12V outlets: (1) each stateroom, (1) each head, (2) salon.
TV cable outlets: (1) each cabin, (1) salon entertainment centre.
Eplex two wire buss electrical multiplex distributed power system, with touch screen control panels.
(3) Lifeline AGM 8D 12V deep cycle batteries, total 765 amp hours.
(2) Lifeline AGM 1400 Engine starting batteries
(2) Balmar 6 series 100 amp alternators.
(2) Balmar Max charge MC612 regulators.
(2) Balmar digital duo charge
(1) Balmar centerfielder.
Above provides maximum charging from either engine.
LED lighting throughout, including cockpit/targa and switched white/red at helm.

ELECTRONICS PACKAGE

Radar/chartplotter: Raymarine E120, full function with custom swivel mount, for viewing from either helm or salon nav. station.
2KW radar.
A.I.S. receiver
Sirius satellite weather & radio
Raytech RNS nav. software
Platinum Navionics charts on CF US southeast/Caribbean
VHF - Icom 604 at nav. station, with command III mic at helm



SAILING INSTRUMENTS

Raymarine ST60 Plus instrument package, including speed/depth/wind.
Raymarine autopilot ST6001 S3G type 2 short stroke linear drive, with smart controller & wireless full function remote.
Ritchie compass at helm.



SOUND SYSTEM

Fusion Electronics AM/FM MP3, wired to satellite radio, complete with speakers in cockpit, salon and forward staterooms with remote control in forward stateroom.

TANKS

(2) Integral epoxy coated composite molded 50 gal. diesel fuel tanks in hulls, each with deck fill, vent and gauge. Custom inspection hatches.
(2) Integral epoxy coated composite molded 50 gal. water tanks in hulls, each with deck fill, vent and gauge. Custom inspection hatches.

MAST AND BOOM

Sparcraft (Charleston Spar) anodized and powder coated aluminum alloy mast, deck stepped with single swept back spreaders and two sets diamonds.
All halyards and reefing lines led under bridgedeck to central Harken two speed electric cockpit winch.
Boom has internal reefing lines, topping lift and outhaul.
Harken reefing/furling for self tacking jib.
Karver continuous line furler for screacher.
OGM LED masthead light with automatic on/off photocell, masthead VHF, wind instruments.
Windex wind indicator.
Antal batten car system & track.
Six Foot Prodder, powder coated A frame swing up design.



SAILS

Upgraded UK Halsey/Calvert FST load path sails.
Main - 7 full battens, carbon/aramid fibres, taffeta both sides
Jib - self tacking, carbon/aramid fibres, taffeta one side. 4 vertical battens with UV coverstrip
Screacher - carbon aramid tape drive with UV coverstrip
Asymmetric spinnaker - Challenge nylon in ATN snuffer.
Stackpack mainsail cover with lazy jacks.



STANDING RIGGING

All type 316SS Dyform, Norseman fittings.
Shrouds have PVC covers.

RUNNING RIGGING

Low stretch T900 (10mm) halyards for main (2:1), jib, screacher (2:1).
Low stretch XLSX & VPC for spinnaker halyard, staysail halyard, sheets & control lines.

DECK HARDWARE

Winches:
(1) Central electric Harken #48, 2-speed self-tailing cockpit winch for main halyard, reefing controls, outhaul.
(2) Harken #48, 2-speed self-tailing for jib/screacher.
(2) Harken #46, 2-speed self-tailing for mainsheet/main traveller.
(1) Harken #40, 2-speed self-tailing, master mounted for screacher, jib, spinnaker, topping lift, staysail.
(2) Antal line drivers for up/down daggerboard control.

Harken mainsheet traveller, 10.5' long.
Harken self-tacking jib track, 10' long, angled to load.
Harken ball bearing blocks are standard equipment.
All Spinlock rope clutches.



HULL & DECK VENTILATION

(11) Deck Hatches all Lewmar Ocean Series Accommodation areas have
(8) Opening port lights (Lewmar) in outboard hull sides
(5) Caframo Fans, one in each stateroom, two in galley/salon
(2) Goint Escape Hatches under stairs in each hull

RAILS & LIFELINES

Tapered SS 27" Stanchions with custom bases and SS lifelines



ANCHOR HANDLING

Dual bow rollers
Quick USA 1000W Antares electric windlass with rope/chain gypsy and remote control with chain counter. Additional remote switch at helm.
Windlass is positioned to be used as backup halyard winch.
Self bailing lockers for self stowing chain and rode.

GROUND TACKLE

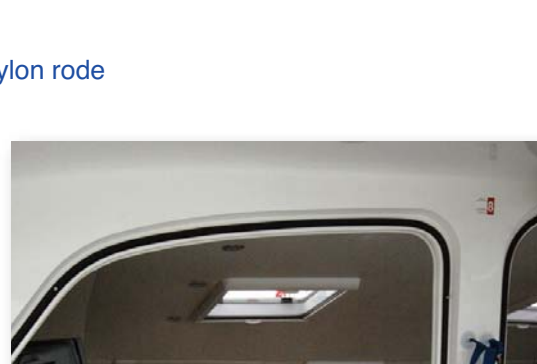
Primary anchor 44pound 100S Spade with 100' 5/16" H/T Chain 200' 5/8" Nylon rode
Storm anchor Fortress FX37

CLEATS & DOCKLINES

(4) 12" Docking Cleats (2 bow, 2 stern)
(4) 10" Spring Cleats amidships
(2) 40' 5/8" Black Mega Braid II Docklines
(1) 45' 5/8" Black Mega Braid II Dockline

NAVIGATION LIGHTS

OGM Masthead LED Tri color with photo cell LED anchor light
Forespar mast mounted steaming light with deck flood light
Loplight deck level LED running lights
Targa/cockpit LED light.



INTERIOR

Varnished Cherry cabinets, doors, fiddles and trim
Teak and Holly laminate soles in accommodation areas
Semi Gloss polyurethane finish
Lightweight attractive 'Whisper Wall' covering on walls and overhead
(2) Custom Memory Foam queen size mattresses
LED lighting throughout

SALON

Varnished wood adjustable/folding table.
Settee seats in Ultra Leather with storage under.
(2) Halogen gooseneck lights.
Entertainment centre, recessed shelf for T.V.

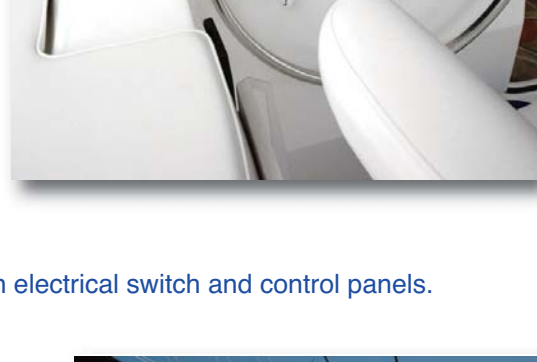


NAV. STATION

Nav. station companionway, with full size lift top chart table, cutout for laptop, main electrical switch and control panels.
Swing-out nav. seat.
(1) Halogen gooseneck light.

GALLEY

Remote Ten 3 burner propane stove, with automatic temp. control oven & boiler.
Engine solenoid propane shut-off switch and propane safety monitor.
(2) Aluminum propane tanks in cockpit self-venting locker.
Galley sink is deep, double bowl, polished stainless with strainers.
Hot & cold pressurized water, delivered by single lever mixer and retracting head.
Seagull IV water filter with separate faucet.
Ample drawers, lockers and shelves for storage throughout.
Trash container under sink.
Corian counter tops.



REFRIGERATION

Vitrifigo SS drawer refrigerator and freezer units. Refrigerator is two drawer (2.5 cu. ft. each) and freezer is one drawer (2.5 cu.ft.). Each have separate 12V/120VAC Danfoss BD35E compressors for redundancy.

DESALINATOR

Spectra Ventura 150, 6GPH watermaker, mounted in easy to service forward locker

HEADS

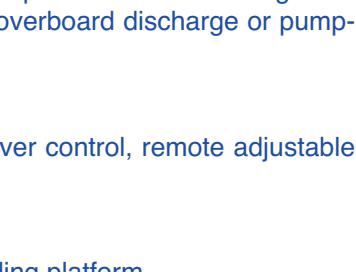
Each head is equipped with a vanity with molded sink and hot/cold water, via mixing lever. Ample shelves and storage.
Lavac 'Popular' vacuum toilets, plumbed to gravity discharge holding tanks with valves for overboard discharge or pump-out. (no macerator pumps required.)

SHOWERS

Molded large shower with plexi door in master head, hot/cold pressure water with single lever control, remote adjustable shower head.
Sump pumps.
Handheld, single lever shower in guest head.
Outside shower with hot/cold water pressurized rinse station, installed at port transom boarding platform.

HOT WATER HEATERS

2) Isotemp slim 4 gallon water heaters.
Engine heat exchange and 110V, one for each hull.



WATER WASHDOWN

Pump for deck washdown - fresh or salt water on foredeck, salt water in cockpit.

WORKSHOP

Starboard, aft cabin designed as workshop with parts storage and workbench. Converts to double bunk guest cabin.

DINGHY

RB RIB light inflatable - 9'6", with 15HP Yamaha, 2 stroke outboard motor, with trim tab and low pitch prop for improved performance. (spare 11" pitch prop). Simple storage & launch from targa davits.

MISCELLANEOUS

Fenders (4), Fire Extinguishers (4)
Custom cockpit bimini with rain catcher
Window sun screens
EPIRB - ACR Global Fix - mounted near helm
Emergency knife - mounted near helm
Unique custom swing up door from cockpit to salon incorporating inset plexi door with retractable 'Phantom' screen. Step over height reduced to comfortable 7"
Swim platforms reduced in size to eliminate wave slap
Helm seat Garelick fully adjustable
Sunrise Offshore 3/8" Trampolines
SS Sovereign Propane BBQ mounted on transom
Spare parts kits for engines (filters,belts,impellers) watermaker (spare pump, filters)
Emergency steering tiller

