

## **GUNBOAT 55-03 TOCCATA UPGRADES and ADDITIONAL EQUIPMENT INCLUDED**

**GUNBOAT 55-03 TOCCATA is better than new.** Launched in February of 2015, she comes well equipped, tested and upgraded. First owners added over \$200k in options, \$110k in sails, and \$150k in electronics, gear and decoration.

**Put through her paces and fully refreshed by the Gunboat team.** GUNBOAT 5503 has received the benefit of Peter Johnstone, Ben Hall and others racing on her and contributing tweaks and improvements after delivery from the factory. Following the four-month Caribbean voyage she returned to the Gunboat yard for tune up.

**Sail package** personally supervised by Peter Johnstone, Ken Read and Kimo Worthington. The best that the North organization has to offer in terms of designers, quality, and service. Package includes main, solent, J1, reacher, A3/5, storm jib. Plus full North canvas sail bags and main cover. Also upgraded to KZ Marine furlers and Future Fibres and Marlow torsion ropes for reacher and A3/A5.

**Performance/mechanical:** Owners upgraded the three-speed winches, the watermaker, and added a fuel polishing system in lieu of standard Racors.

**Electronics** in addition to the standard Gunboat package:

- Iridium with dock, external antenna, OCENS optimizer and wifi connectivity to navigation/email computers, etc.
- Top-end Fusion stereo with audiophile-quality Gallo internal speakers and Sonance external speakers
- External wifi and cell booster antennas that connect to private wifi network on boat
- B&G wifi that permits iPads, etc., to display data, and to connect to Expedition and other navigation/performance software
- SeaMe radar booster
- Two extra B&G displays for trimmers
- GOST security system with tracker
- Chain counter for windlass
- Sirius/XM connected to stereo for music and to B&G for weather

**Safety equipment** included in addition to standard Gunboat package:

- Custom jacklines and attachment points both above and underneath hull. Designed with input from Phaedo team for highest-level offshore rule requirements.
- Two 4-person valise liferafts (top quality Winslow ISAF/SOLAS spec)
- Linecutters on props
- Transom boards

**Interior/Decorative:**

- Two carbon fiber, storage cube seats (\$7000)
- Workshop with berth fill-in board and custom air mattress (\$32,000)
- Table and instrument pod protective covers
- Custom cabinetry in heads, master stateroom (hidden), companionways and pantry
- Extensive extra lighting, outlets and convenience items (fans, etc.);
- Insect screens and privacy screens

**Custom PURE YACHTING 4.10m RIB Tender with 30hp Evinrude ETEC included**

## G U N B O A T® 5 5 0 3

### OVERALL DESIGN PARAMETERS

- A simple, lightweight, high tech 55' high performance cruising cat
- Designed for minimal maintenance and easiest use by owner-operators
- Ideally suited for:
  - World cruising by a couple with occasional guests
  - Daysailing, picnicking, & entertaining
  - Sabbatical cruising
- Two comfortable, open and airy en suite staterooms with excellent visibility from the queen sized berths outward to the horizon
- Third berth / work bench in aft stbd cabin area w/ hanging locker
- Less is more conceptually
- Feeling of greater space and openness than is typically common for a 55' performance cat
- Maximum sized living space on the main deck. No bulkheads dividing the space. Main living space drains out transom steps and simply gets sprayed clean
- Feeling of minimal clean and modern design, in a high-tech, high performance sailing cat
- Real luxury without complexity. Systems kept simple for owner operation

### HULL AND DECK STRUCTURE

- Constructed in female molds for minimum weight and immaculate exterior finish
- Composite sandwich construction, post-cured in oven, for maximum strength
- Vacuum-bagged, infused post-cured epoxies, Core-Cell foam sandwich core construction with carbon fiber skins and carbon fiber reinforcing
- Partial watertight bulkheads to seal off bow and stern compartments
- Molded impact diffusing false bows (replaceable)
- Additional water tight compartments in each hull
- Structural composite hull floors to save weight and add stiffness
- Centerboards with carbon structural beam and reinforced leading and trailing edges
- Integral carbon fiber chain plates

### MAST

- Carbon fiber fixed mast finished in clear coat
- Carbon fiber masthead, spreaders
- Pre-preg T600 modulus carbon fiber autoclave baked for minimum voids

- Harken Switch track for low profile stacking of lowered mainsail
- 1:1 Main Halyard with lock system for full hoist and two reefs standard
- Internal screecher and asym halyard locks. Both halyards 1:1
- Proximity switches for each halyard lock
- Solent halyard 1:1
- Two reef tack lines led to sail control area
- Two folding steps at masthead
- Burgee halyard
- Soft loop style shroud terminals. Less weight, and no fatigue
- Carbon fiber gooseneck with stainless steel pin
- Conduit for mast electrical cables
- Carbon mounting plates for electronics at spreaders and masthead
- Spreader lights

## BOOM

- Carbon Fiber (T600) V-boom. Sail drops down onto shelf inside
- 1:2 reverse ratio internal mainsheet with hydraulic ram
- Two reef blocklocks. Reef lines lead to sail control area
- Proximity switches for reef locks
- Pad eye and Spectra strop for lashing loose footed mainsail
- Lazy jacks adjustable from sail control area
- Sunbrella mainsail cover

## LONGERON

- Custom deep tapered carbon fiber (T600) section with integral anchor roller and storage
- 2:1 Tack outhauls (2) for Asym and screecher tacks
- Carbon attachment points for the solent forestay turnbuckle
- Carbon stays to each bow

## RUNNING RIGGING

- All control lines led to forward working cockpit
- High tech spectra/dyneema, stripped race-boat style halyards and control lines equipped with lashing ends, including:
  - Mainsheet strop (to cylinder)
  - Traveller Lines (2)
  - Reef Lines (2)
  - Reef Tack Lines (2)
  - Self tacking jib sheet
  - Screecher/Asym sheets (2) with Equiplite soft shackles

- Screecher clew strops to sheet reach connection from deck
- Screecher tack line 2:1
- Asym tack line 2:1
- Screecher furler line led to cockpit with Spinlock clutch
- Main halyard 1:1
- Solent halyard 1:1
- Screecher halyard 1:1
- Asym halyard 1:1
- Loops or Lashings for all blocks
- Lazy Jacks
- Jib tack reef strop

## STANDING RIGGING

- Custom torsional aramid luff cable, with custom Facnor furler for Screecher
- Aramid cap (2) shrouds with 5m of chafe cover at lower end. Lashing to chainplate
- Aramid forestay with custom turnbuckle.
- Carbon diamond shrouds (2) with integral bottlescrew turnbuckles

## DECK HARDWARE

- Deck layout optimized for shorthanded sailing
- (2) Harken 60 Performa 3-speed self-tailing winches with toe controls for all lines in working cockpit
- KZ-6 furler and Future Fibers torsional cable for J-1 sail
- Spinlock Clutches for:
  - Solent Jib sheet
  - Screecher sheets (2)
  - Screecher Furler control
  - Asym tack line
  - Traveler controls (2)
  - Reef tack lines (2)
  - Lazy jacks (1)
- Spinlock Jammers for:
  - Solent halyard
  - Screecher tack line
- Captive reel winch mounted in aft beam for davit control lines
- Harken mainsheet traveller system on aft beam with control lines led to forward cockpit
- 2 x 10" one-touch aluminum locking winch handles with holders
- Self-tacking 2:1 Solent jib sheet system consisting of:
  - Harken ball bearing traveller car with pin stops (2)

- Equiplite block at clew with soft shackle
- Curved jib track
- Sheet leads from clew to the traveler car block, up to mast sheave, then internally down to clutch
- Screecher and Asym Screecher sheet system consists of (2) Equiplite snatch blocks, (6) Harken thru-deck sheaves
- Mastbase blocks & sheaves
- Spectra knotless mesh forward trampolines, with Spectra border line, individual spectra lashings every 6" for maximum safety.
- (6) Over-sized Harken padeyes
- (4) Padeyes under bridge deck (ORC racing rules)
- (2) Padeyes for J-1 Barberhauler
- (3) Wichard jackline clips coachroof
  - Custom jacklines and attachment points both above and underneath hull (designed with input from Phaedo Team for highest-level offshore rule requirements)
- Transom boards

## HYDRAULIC SYSTEM

- M&H 24V variable speed (14–50 liter/min) hydraulic power pack.
- Controls buttons at helm stations for:
  - Mainsheet
  - Port & Starboard Centerboard
  - (2) winches
  - windlass
- Hydraulic lines and supply to:
  - (2) Centerboard control rams
  - Mainsheet control ram
  - (2) winches
  - windlass

## DOCKING AND ANCHORING

- Four 50' X ¾" Mega Braid docklines with chafe protected eyes
- Four 25' x ¾" Mega Braid docklines with chafe protected eyes
- Eight folding Seasmart deck cleats
- Four 12" X 36" Inflatable fenders with covers
- Two 18" x 60" Inflatable fenders with covers
- Anchors
  - Main cruising anchor: (1) Rocna 33 Kg
  - (1) Fortress Aluminum 32lb
- Anchor rode

- (1) x 130' of 5/16" SS chain with 75' of nylon rode
- (1) x 30' of 5/16" HT chain with 150' of nylon rode
- Anchor bridle with Sparcraft shackle that clips onto the chain
- Composite anchor roller and conduit integral in longeron below forestay
- Lewmar V5 24V hydraulic windlass system
  - Anchor chain conduit runs inside longeron
  - Anchor storage and roller under the forestay
  - Rope/chain automatic gypsy sized for supplied chain and nylon anchor rode

## PROPULSION & HOUSE ENERGY SYSTEM

- (2) Yanmar 3JH5E 39HP Diesel Engines with Hurth V-drive transmission. Seatorque shaft control system. Access by deck hatch
  - Flex-o-fold 3 blade folding props (2)
  - Sea Torque hubs with built in shaft cutters
  - PropSpeed antifoulant in props, shafts, & struts
  - 24V 140 amp Balmar alternators (2)
  - Optima AGM start batteries (2) with parallel switching
  - Spinlock Throttle and digital engine gauges at helm.
  - Extensive sound insulation in engine box
  - Duplex KTI Filterboss fuel polishing system w/Racor filters both engines
  - Centek custom composite waterdrop exhaust systems (2)
  - Oil changer pump
  - Fire fighting system (engine rooms, generator space, & tech space)
- Lithium Ion Phosphate Battery Bank with failsafe battery management
  - 540 amp hours 24V (three batteries)
  - Battery Bank Safety Shut-off
- (2) x PE diesel primary day fuel tanks
  - Cleanout port and baffles
  - Shut-off valve on fuel tank
  - Port/Stbd Oberdorfer 24 V fuel transfer pump
- (2) x 72 gallon bow PE diesel fuel tanks
  - Cleanout port and baffles
  - Shut-off valve on fuel tank
  - Fore/aft Oberdorfer 24 V fuel transfer pumps each side
- House Service in both 12/24 VDC with converters
- 775 watt 24V solar system mounted on the pilothouse roof, with charge controllers. Enough for an energy conscious couple to live off the grid
- House AC electrical
  - 8 KW Phasor diesel generator

- Remote start panel
- Racor 500MA fuel filter
- Optima AGM start battery with parallel switching
- Gensep water/exhaust separator
- 50 amp 220 VAC shoreline inlet
- 50 amp circuit breaker protection
- Galvanic isolator
- (2) Mastervolt MassCombi 2.5 kw inverters & 60 amp battery chargers
- Mastervolt 100 amp 24 volt battery charger
- Masterview touchscreen display/control panel
- 110 VAC duplex receptacles (17)
- Bonding system designed to ABYC regulation E-1
- Tinned electrical cables

### ELECTRICAL BUS SYSTEM

- BEP Marine C-ZONE Bus system:
  - CAN bus system for 12VDC/24VDC house loads
  - NMEA2000 compatible
  - Touch screen control
  - Waterproof boxes & cabling
  - Tankage monitors for water, fuel, and waste
  - Bus system provides basic alarm functions:
    - Bilge, fire, smoke, and CO

### ELECTRICAL OUTLETS

- 12 VDC single outlets (4)

### LIGHTS

- All LED lighting dimmable throughout the interior of the boat with light switches in practical locations
- LED Courtesy Lights (23)
- Flush LED overhead lights (35)
- LED Reading Lights fwd berths (4)
- Lopolight LED Navigation lights
  - Bi-color on end of longeron
  - Stern light on aft edge of coachroof
  - Anchor light, tricolor light at masthead
  - Combo steaming light with tramp light on front face of mast
- Compass light

- Transom Flood Lights (2)
- Overhead LED dome lights in machinery spaces and bow locker compartments

## ELECTRONICS

- B&G Zeus 12" Display at helm station. Functions include chart plotting, radar, AIS, all sailing instruments, and pilot controls
- Iridium Extreme 9575 Satellite Phone w/Beam LightDock
- Optimizer 102 Accesspoint WiFi
- RoguePro WiFi Amplifier System
- Private WIFI network that permits iPads etc. to, to display data, and to connect to Expedition and other navigation/performance software
- 4G/LTE antenna/amplifier/repeater kit
- CradlePoint 4/LTE modem/router
- Iridium/GPS Dual mode antenna
- Oceans WeatherNet 4 Weather on Demand, with WIFI connectivity to navigation and email
- Sea-Me radar transponder, dual band
- Dual autopilot systems with crossover switch
- Dual depth/speed
- B&G Hercules H5000 Performance package
- (2) B&G 5000 graphic color displays at helm
- (2) B&G 5000 race displays at helm
- (2) B&G 5000 race displays fwd of winches
- B&G Halycon Gyro 3 axis sensor
- Centerboard position indicators/control buttons
- Barometric pressure
- B&G Broadband radome on starboard spreader
- B&G V-90 VHF with remote corded handset
- AIS system
- (2) Standard Horizon HX851S, with charger in nav station
- Lewmar AA560 Chain Counter/Windlass control

## ELECTRONICS: ENTERTAINMENT

- Fusion IP700i Sirius/vhf/wx/iPhone w/Bluetooth module, amplifier & speaker system w/ subwoofer and iPod connector in the salon
- (2) Anthony Gallo A'Diva SE speakers (salon)
- (2) 6-1/2" Sonance speakers underside of fwd coachroof brow
- Sirius XM sat weather and radio module



## SAFETY

- GOST security system
  - Phantom 64 zone control unit
  - GPS Nav-Tracker system
  - GSM quad bank cellular communicator (voice & text)
  - (2) Companionway door contact switches
  - (2) Smoke Detectors
  - (2) Hi bilge alarms
  - Photo electric beam sensor (salon)
  - (2) Cabin panic switches
  - Siren
  - Low voltage sensor
  - (2) Remote key fobs
- GPIRB
- Ditch-bag equipped with basic survival supplies for four days
- Kahlenberg single trumpet air horn
- 2 horseshoe rings with yacht's name, hailing port and light
- (2) 4-person Valise liferafts (top quality ISAF/SOLAS spec)

## STEERING SYSTEM

- Custom hub with steering cables and torsional bars for minimal friction.
- Harken and Edson ball bearing sheaves
- 40" carbon fiber sculptured race boat steering wheel
- Retractable rudders for optimum steering with draft reduction to 2'
- Custom UHMWPE bearings (4)
- Dual autopilot system with crossover switch

## PLUMBING AND TANKS

- (2) 49 Gallon PE Water Tanks
- Spectra Catalina 24V 300 GPD Watermaker. Z Ion membrane protection.
- Hot and cold pressure fresh water system
- Hot and cold pressure shower in stbd transom
- (2) 10 gallon hot water calorifiers
- (2) 27 gallon PE waste tanks
- Salt water washdown (aft port location)
- Fresh water washdown (fwd stbd location)
- (6) Electric bilge pumps
- Two emergency manual bilge pumps
- All sanitation hose odor resistant
- All Marelon flush mounted thru-hull fittings below waterline

- All seacocks labeled with tags. All easily accessible. Emergency wood bungs provided
- All plumbing hoses are double clamped below waterline
- Tank gauges and monitoring via the C-Zone bus system
  - (4) Diesel
  - (2) Fresh Water
  - (2) Waste

## VISIBILITY & VENTILATION

- Tempered safety glass salon windows outboard and forward
- Aft consisting of four sliding acrylic windows, which can be stacked over each other in position, or removed completely and stowed under the day bed for a true 'Med-Style' back
- Zip doors. Removable.
- (2) Forward sliding doors that open and stack in the center.
- Retractable moonroof over the helm and winch station.
- Insect/privacy screen along aft beam
- (6) Custom Fixed Hull Windows with visibility out from:
  - Fwd cabins (outboard)
  - Pantry & aft cabin (outboard & aft)
  - Showers (inboard)
- (2) 16,000 BTU Cruisair air conditioning systems, ducted to fwd cabins and salon, split system, condensers in the engine-rooms
- (4) 24V Fans, fwd cabins, pantry, and aft cabin
- Ocean Air combination blinds/screens for each deck hatch in the living spaces
- Ocean Air Skysol Chintz Topar Plus pleated blinds for forward cabin windows
- Flush Deck Hatches with integral drains:
  - (6) Size 44's over each cabin, nav and galley
  - (2) Size 44 Goiot Escape Hatches
  - (2) Size 70's over heads
- (4) Flush mitre Lewmar portlight Size 1
- Sunbrella cover package
  - Salon Table
  - Helm Display
- Salon window privacy screens

## FINISHES

- Alexseal exterior paints
  - Hull-sides; M7928 Snowpack Silver Metallic
  - Deck interior and exterior & nonskid; T9130 Off White
  - Exterior main mullions accent; M9394 Flint Black Metallic

- Vivid Bottom paint (black) on hull bottoms
- VC Offshore Teflon paint (black) on centerboards & rudders
- PropSpeed antifoulant on props, shafts, & struts
- Interior “whisperwall” type wall and ceiling coverings; Majilite Canto KJAB1 White Linen
- Custom fwd cabin headboard padded fabrics
- Rolled grey epoxy barrier paint in bilges
- Non living space surfaces finished in rolled white epoxy barrier paint
- Wood interior surfaces;
  - Teak wood veneer interior joinery, all vertical joinery surfaces finished in open-grain matte varnish
  - Salon tabletop finished in gloss filled-grain varnish
- Veneer inside cabinetry
- Interior flooring Amtico engineered flooring onto carbon soles
- Corian countertops galley, pantry, & heads
- Salon living area floor in caulked teak decking
- Custom salon seating upholstery in Ultra Leather. Waterproof, resistant against stains, scratches, UV, weather Promessa Outdoor with upholstered terry crew covers

#### **SAIL & FENDER LOCKER – PORT & STARBOARD BOWS**

- Storage in bow for sails, hoses, fenders, etc.
- Access via master showers

#### **CERTIFICATION & DOCUMENTATION**

- CE Class A-1
- Complete documentation, printed and electronically
- Boat manual / sailing manual
- Performance polar diagrams

#### **MASTER STATEROOMS – AMIDSHIPS STARBOARD & PORT**

- Gunboat 60 style Queen sized (61” x 80” x 5”) berth with stairs up each side.
- Storage cabinets beneath berth
- (1 ea) SS Clothes and towel hooks
- Hidden storage area Master cabin

#### **MASTER HEADS & SHOWERS – FORWARD STARBOARD & PORT**

- Head compartment with door
- Corian vanity with polished ss wash basin

- Mirrors above sinks
- Additional cabinet storage area, each head
- Planus electric toilet system with fresh water flush
- Separate standup shower compartment with frameless shower doors
- Wall mounted shower with HansGrohe mixer
- Shower drain with strainer
- (2 ea) SS Hanging hooks
- (2 ea) towel bars in heads (outboard)

### MAIN LIVING AREA – WINGDECK AREA B/T MAST AND AFT CROSSBEAM

- Forward central sail control area.
  - Line Bins below winches
  - Winches and critical controls within easy reach of helm station
  - Winch control buttons.
- Central helm station aft of mast:
  - 40" carbon wheel
  - Excellent visibility all round, and up to sailplan
  - B&G Zeus Display showing radar, charts, and sailing info (See Electronics)
  - Compass
  - Engine Throttle controls (2)
  - Horn switch
  - Hydraulic controls for:
    - Mainsheet
    - Port & Starboard Centerboard
- Steps up to deck level forward
- Caulked Teak floor
- Helm pedestal with upholstered seat, backrest, and footrest
- Comfortable weather-proof Italian style sofas finished in Ultra-Leather. Storage under.
- Dining table (with fold out leaves)
- Large aft daybed with storage under
- Dual Walk-through access to transom steps
- Shower at starboard transom
- Area drains directly out transom steps
- Two Carbon dinghy davits with lift controls led to hidden captive winch.
- Weatherproof Companionway hatchways and access (2) to hulls with steps. Fully secure and lockable, grab assist handles each side
- Cabinet locks, (5) salon locker lids
- Port companionway storage cabinet
- Stbd companionway chart storage compartment

- Synthetic terry cloth crew covers for salon settee and aft daybed
- Built in SS electric BBQ grill
- (2) Clear carbon custom cube seats with upholstered tops, storage inside
- Pet gates at each transom
- Rod holders at each transom with flag pole

## GALLEY/PANTRY

### Galley Up in Salon & Pantry in Port Aft Hull

- Molded composite sprayed finish cabinetry with Corian tops
- Double SS sinks with Hansgrohe Axor galley faucet
- Cutlery drawer
- Miele stove top KM360LP
- Thermador combination microwave and convection oven
- 180BTX Vitrifrigo under-counter dual drawer refrigerator
- Pantry – (Port Aft Hull)
  - Storage cabinets and drawers
  - (1) Splendide WDC2100XC washer/dryer
  - (1) DW360 fridge unit with 2 x freezer drawers

## STARBOARD AFT CABIN

- Convertible workshop/berth with custom air mattress
- Cabinet with hanging locker and drawer below
- Full length mirror inside hanging locker door
- Generator area below berth

## TENDER

### Custom PURE YACHTING 4.10m RIB Tender

- Clear coat carbon foam composite hull, deck, and console
- Console/aft bench seating with steering wheel and console
- Alexseal “Off White” paint color
- 17 degree deadrise hull
- Evinrude E-Tec 30 hp outboard engine with remote start/stop, shift, gauges
- 18 gallon gasoline tank built in under floor
- 12V bilge pump
- Lopolight tri-color nav light on console
- Hypalon tubes “Orca Artic Gray” with black rubstrake, anchor channel, and lifeline
- Seadek (Mika) flooring
- Ultraleather Aquamarine upholstery
- Lightest possible tender at maximum size for the GUNBOAT 55

## SAILPLAN

- North Sails include:
  - Main
  - Solent
  - J-1
  - R-1
  - A-3/5
  - Storm Jib
- Full North Canvas
- Upgraded furlers and torsion ropes for Reacher and A3/5
- Find Sail Area in General Specifications

G U N B O A T<sup>®</sup> 5 5

## GENERAL SPECIFICATIONS

	<u>m</u>	<u>ft</u>
LOA	16.76	55
LWL	16.69	54.75
BOA	7.62	25.00
Beam On Centerline	6.10	20.00
Draft Bd Down	2.80	9.20
Draft Bd Up	0.61	2.00
Mast Clearance	25.68	84.25
Mast Length	23.77	78
Displacement Lightship	12,500 (kg)	27,500 (lbs)
Displacement Max Load	14,000 (kg)	30,800 (lbs)
Headroom - Salon	1.98	6.50
Headroom - Hulls	1.98	6.50
Hull Width	1.53	5.00
Bridge Deck Clearance (Full Load)	.855	2.8
Fuel Capacity	2 x 299 L	2 x 79 Gal
Water Capacity	2 x 185.5 L	2 x 49 Gal

SAIL AREA	<u>m<sup>2</sup></u>	<u>sq ft</u>
Main	119	1281
Solent	69	743
J-1	105	1130
R-1	150	1615
A-3	248	2670

55 (Gunboat )

March 06, 2015

Version - 2

NORTH SAILS



## Sail Selection Chart

