

RAPIDO



General Specifications

Rapido 50 Trimaran

Designed & Engineered by:



Rapido 50

General Specifications

1 August 2018

www.rapidotrimarans.com (Price and general specifications are subject to change and will be confirmed prior to signing a contract.)

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Principal Characteristics

LOA	15.24 m
LWL	14.96 m
BOA	10.38 m
BOA (folded)	5.50 m
BOA (float to float CL)	9.32 m
Freeboard	1.60 m
T (board up)	0.67 m
T (board down)	3.52 m
Displacement (light)	6.55t
Displacement (max)	8.40t
SA Main	95 m ²
SA Solent	54 m ²
SA Staysail	18 m ²
SA Reacher	125 m ²
SA Asym Spin	160 m ²
Mast Height above DWL	22.98 m

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Design & Construction

- Hull, deck, cabin top - hybrid composite of infused e glass, foam sandwich, composite construction
- Hull, deck, cabin top, beams, daggerboard and rudder parts molded from composite female tooling to reduce fairing and save weight
- Composite parts infused to control resin content, fiber ratio and improve strength to weight ratio
- Thermo-formed core from 3D templates
- Beams, daggerboard, rudder blade and elevator: prepreg carbon cured in an autoclave
- Carbon longitudinal stringers
- Carbon structural bulkheads, chainplates, beam bulkheads, etc.
- Carbon reinforcement in high load areas: daggerboard case, windows, around hatches, etc.
- Interior furniture constructed from high strength, light weight, composite panel
- 4 bar linkage, folding beam arrangement with carbon struts, titanium pins and hardware
- Membrane-reinforced trampoline: 50 per cent netting, 50 per cent composite
- Forward beam leading edge aero fairing

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- All bulkheads watertight or no penetrations below waterline
- Folding prop, fixed shaft, diesel propulsion

Finish

- Exterior finish is white aquaguard gelcoat
- Non-skid decks, beams, transom, and cockpit with choice of color
- Hull bottom finished with epoxy primer
- Interior living area painted to Rapido Trimarans' "luxury yachts" finish

Rigging and Sails

Mast and Boom

- Alloy mast standard (carbon mast optional)

Running Rigging

- Mainsail, solent, reacher, and staysail halyards and sheets
- Spinnaker halyard
- Topping lift / spare main halyard
- Lazy cradle jacks / carbon dyneema truss wing
- Mainsail traveler lines
- Reef lines

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- Outhaul and cunningham lines
- Daggerboard control lines

Sails

- Square top main sail
- Self tacking furling jib with UV protection
- Aramid laminate furling reacher with UV protection
- Furling staysail
- C Tech battens
- Lazy cradle and main sail cover

Decks & Hulls

Hatches and portlights

- 2x Gioit escape hatches
- 10x Lewmar Atlantic Series opening portlights
- 1x Lewmar 70 flush 3G deck hatch in forward cabin
- 2x Lewmar 70 flush 3G cabin top hatches
- 2x Lewmar 50 opening hatches in salon facing forward
- 1x Lewmar 70 flush 3G opening hatch in aft cabin
- 8x Rapido flush deck fiberglass hatches

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Safety

- Padeyes for safety harness connections
- Lifelines
- Round 316 SS bow pulpit, aft seats and stanchions
- Survival area with entrance / escape hatch
- Auto fire extinguisher in the engine compartment
- Watertight or no penetration below waterline bulkheads

Deck Hardware

- Harken mainsheet and traveler systems
- Harken self tacking solent track system
- Harken headsail systems
- Harken mast rotation, cunningham, and outhaul controls
- Daggerboard lifting system
- Spinlock clutches and jammers

Winches

- 2x electric Harken primary winches
- 2x electric Harken cabin top winches
- 1x Harken 50 mast winch

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Furlers

- 3 x Karver furlers

Mooring/Anchoring

- Jet bow thruster
- Lewmar anchor windlass with remote control
- Anchor bridle
- 2x 250mm Antal folding deck cleats/padeyes
- Anchor/windlass locker forward mast base and locker for secondary anchor in foredeck

Electrical

- Lithium Ion battery bank/ 2x180 amp
- Mastervolt combi ultra Inverter
- C zone digital switching
- BEP AC panel 4x circuit breakers plus RCD
- 110amp 24v MasterVolt alternator (House batteries)
- 80amp 12v alternator
- LED lighting, down lights, courtesy and strip lights
- 5x fans
- 240v AC outlets and 24v DC outlets
- Shore power connection, 240 volt

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Navigation lights

- LED bow and stern navigation lights
- LED anchor, steaming, deck lights

Engine & Propulsion

- Yanmar diesel, 38.5hp, shaft drive
- Folding 3 blade prop, flex-o-fold
- 80amp alternator (starting batteries)
- Digital B instrument panel
- Engine room insulation
- PSS dripless seal on prop shaft
- Ultraflex engine controls
- Fuel filters
- Fuel tank, (350 litres)
- Silencer, waterlock
- Auto engine room fire extinguisher

Outdoor Fitout

Cockpit, transom, decks, and floats

- Hard top bimini with sliding roof
- 1.2m wide helm seat / leaning post

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- Salon cockpit windows removable stored into cockpit wall
- 2x storage lockers under large cockpit seats with dedicated wet weather and separate shoe storage
- Swim platform / ladder on transom
- Hot and cold shower on transom
- Storage / survival area under cockpit sole with escape hatch
- Storage areas in floats with Rapido custom watertight XL hatches to accommodate paddle boards/bikes
- 4 separate watertight compartments per float
- Padeyes for mooring lines and fenders
- Sundeck forward of mast base
- Dyneema knotless outer trampoline, reinforced composite membrane inner trampoline

Interior Fitout

- All interior components lightweight cored panels
- Cabinets-teak veneers / solids and, where painted, satin finish
- Bulkheads, hull and deck a satin urethane finish over a lightly texture substrate
- Soles: Amtico
- Head soles: painted composite
- High quality fabrics and foams

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Salon

- Salon cockpit removable windows
- Double opening / fold up entry doors with drop in storm wash board at salon entrance
- Two opening Lewmar vertical hatches in salon
- Large windows on cabin top sides
- Dining table
- Upholstered sofa seating in salon, queen size bunk
- LED lighting
- 3x fans

Nav Station

- Opening chart table
- Reading red / white light with flexible arm
- C zone digital switch panel

Heads

- Light weight composite doors
- Sink
- Head soles
- Carbon countertop
- Storage area cabinet

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- Grohe faucet and shower set
- Polycarbonate mirror
- Shower area with composite painted finish
- Electric shower drain pump
- Manual toilets
- 2x Lewmar opening portlights

Aft Cabin

- Lightweight composite door
- Hanging locker
- Double bunk (queen size)
- Mattress ventilation
- Under-bunk storage
- 2x Lewmar opening portlights
- 1x Lewmar 70 flush 3G opening hatch in transom

Forward Cabin

- Lightweight composite door
- Hanging locker
- Double bunk (queen size)
- Mattress ventilation
- Under bunk storage
- 1 large deck hatch

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- 4x lewmar portlights

Galley

- Shelves, cabinets, drawers with Blum hardware soft close and latches
- LG Hi Macs/Corian countertop
- 130 liter (34.4) Virifrigo 2 draw fridge/freezer
- Large Hafele SS sink
- Wallas 2 burners diesel stovetop and oven
- Hot and cold pressurized freshwater with Franke faucet
- Pressured sea water with Grohe faucet
- Garbage drawer
- Roll out wine storage

Plumbing (Freshwater)

- 1x Quick 25 liter water heater
- 1x 350 liter water tank
- 1x water pressure system pump
- 1x deck shower at transom of mainhull
- 1x dock water inlet

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Plumbing (seawater)

- 1x pressurized seawater hose in bow
- 1x pressurized seawater hose in galley

Waste water

- 2x holding tanks, 60 liters/each

Bilge pumps

- 4x electric automatic bilge pumps
- 1x manual bilge pump, 75liter/min (20 US gal)
- All sea cocks composite

Steering and Rudderblade

- Single wheel, Jefa custom steering system to include:
 - Torsion bar and universal joint complete with autopilot drive
 - Carbon spade rudderblade and elevator manufactured from CNC-milled tooling, blade cured at elevated temperature and pressure in autoclave
 - Custom kick up rudder box with upper and lower bearings

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Daggerboard

- Carbon daggerboard manufactured from CNC-milled tooling, then cured at elevated temperature and pressure in autoclave
- Daggerboard case structure reinforced at cabin top, salon sole, and forward/aft frames below sole, hull exit
- Mast compression supported by daggerboard case and cabin top via cabin top plinth

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Options

- North Sails asymmetric spinnaker / gennaker
- Electronics package (B&G, Raymarine, Garmin, etc)
- Watermaker
- Freezer
- Wallas diesel heater
- Electric toilets
- Antifouling
- Transom / cockpit flooring
- Shade Covers
- Generator/ Watt & Sea hydrgenerator / solar panels
- Air conditioners -reverse cycle
- Sea water pressure washer on transom
- Davits for RHIB / outboard
- Life raft / mounting bracket
- Anchors / chain / rode
- Fenders / mooring lines
- Safety equipment / tools / jackstays
- BBQ / SS rod holders
- Fusion True Marine DVD receiver with Fusion link portable media device dock / 4x 6" 200 watt speakers