General Specifications

Rapido 50 Trimaran

Designed & Engineered by:

Morrelli & Melvin
Design | Engineering | Yacht Sales
## Principal Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOA</td>
<td>15.24 m</td>
</tr>
<tr>
<td>LWL</td>
<td>14.96 m</td>
</tr>
<tr>
<td>BOA</td>
<td>10.38 m</td>
</tr>
<tr>
<td>BOA (folded)</td>
<td>5.50 m</td>
</tr>
<tr>
<td>BOA (float to float CL)</td>
<td>9.32 m</td>
</tr>
<tr>
<td>Freeboard</td>
<td>1.60 m</td>
</tr>
<tr>
<td>T (board up)</td>
<td>0.67 m</td>
</tr>
<tr>
<td>T (board down)</td>
<td>3.52 m</td>
</tr>
<tr>
<td>Displacement (light)</td>
<td>6.55t</td>
</tr>
<tr>
<td>Displacement (max)</td>
<td>8.40t</td>
</tr>
<tr>
<td>SA Main</td>
<td>95 m²</td>
</tr>
<tr>
<td>SA Solent</td>
<td>54 m²</td>
</tr>
<tr>
<td>SA Staysail</td>
<td>18 m²</td>
</tr>
<tr>
<td>SA Reacher</td>
<td>125 m²</td>
</tr>
<tr>
<td>SA Asym Spin</td>
<td>160 m²</td>
</tr>
<tr>
<td>Mast Height above DWL</td>
<td>22.98 m</td>
</tr>
</tbody>
</table>
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
• 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
• 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
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
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
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
• 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
• Cabinents-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
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
- 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
• 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
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, 75 liter/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

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